

Chemistry and Biology Of Multicomponent Reactions

Chemical Reviews

112, 3083-3135

DOI: 10.1021/cr100233r

Citation Report

#	ARTICLE	IF	CITATIONS
2	Development of a general process for the synthesis of highly substituted imidazoles. Pure and Applied Chemistry, 2002, 74, 1349-1357.	1.9	31
3	Three-Component, One-Pot Sequential Synthesis of Functionalized Cyclazines: 3 <i>H</i> -1,2 <i>a</i> -Triazaacenaphthylenes. Journal of Organic Chemistry, 2012, 77, 10745-10751.	3.2	33
4	Regioselective multicomponent sequential synthesis of hydantoins. Organic and Biomolecular Chemistry, 2012, 10, 9538.	2.8	22
5	Sequence Regulated Poly(ester-amide)s Based on Passerini Reaction. ACS Macro Letters, 2012, 1, 1300-1303.	4.8	203
6	Ugi 4-CR/Pictetâ€“Spengler reaction as a short route to tryptophan-derived peptidomimetics. Organic and Biomolecular Chemistry, 2012, 10, 9004.	2.8	29
7	A simple and efficient method for the facile access of highly functionalized pyridines and their fluorescence property studies. RSC Advances, 2012, 2, 12305.	3.6	52
8	Gold(i) and platinum(ii) switch: a post-Ugi intramolecular hydroarylation to pyrrolopyridinones and pyrroloazepinones. Chemical Communications, 2012, 48, 10916.	4.1	84
9	Multicomponent reactions in unconventional solvents: state of the art. Green Chemistry, 2012, 14, 2091.	9.0	521
10	4-Isocyanopermethybutane-1,1,3-triol (IPB): a convertible isonitrile for multicomponent reactions. Tetrahedron Letters, 2012, 53, 5360-5363.	1.4	33
11	Recent applications of multicomponent reactions in medicinal chemistry. MedChemComm, 2012, 3, 1189.	3.4	403
12	Isatins As Privileged Molecules in Design and Synthesis of Spiro-Fused Cyclic Frameworks. Chemical Reviews, 2012, 112, 6104-6155.	47.7	1,384
13	Recent advances in new multicomponent synthesis of structurally diversified 1,4-dihydropyridines. RSC Advances, 2012, 2, 9763.	3.6	211
16	A Diversityâ€“Oriented Approach to Spiroindolines: Postâ€“Ugi Goldâ€“Catalyzed Diastereoselective Domino Cyclization. Angewandte Chemie - International Edition, 2012, 51, 9572-9575.	13.8	147
17	Efficient Assembly of Iminodicarboxamides by a â€œTrulyâ€“Fourâ€“Component Reaction. Angewandte Chemie - International Edition, 2012, 51, 10280-10283.	13.8	50
19	Threeâ€“Component, Oneâ€“Pot Sequential Synthesis of Tetracyclic Pyrido[2â€“1â€“2,3]imidazo[5,1â€“ <i>a</i>]isoquinolinium Compounds as Potent Anticancer Agents. European Journal of Organic Chemistry, 2012, 2012, 5585-5594.	2.4	31
20	A one-pot multicomponent strategy for stereospecific construction of tricyclic pyrrolo[1,2- <i>a</i>]quinolines. Chemical Communications, 2012, 48, 11966.	4.1	20
21	A Van Leusen deprotection-cyclization strategy as a fast entry into two imidazoquinoxaline families. Tetrahedron Letters, 2012, 53, 5787-5790.	1.4	24
22	<i>BOROX</i> Catalysis: Self-assembled <i>amino-BOROX</i> and <i>imino-BOROX</i> Chiral Brønsted Acids in a Five Component Catalyst Assembly/Catalytic Asymmetric Aziridination. Journal of Organic Chemistry, 2012, 77, 7932-7944.	3.2	39

#	ARTICLE	IF	CITATIONS
23	Three-Component Domino Reactions for Selective Formation of Indeno[1,2- <i>b</i>]indole Derivatives. <i>Organic Letters</i> , 2012, 14, 5210-5213.	4.6	74
25	Access to Indole- And Pyrrole-Fused Diketopiperazines via Tandem Ugi-4CR/Intramolecular Cyclization and Its Regioselective Ring-Opening by Intermolecular Transamidation. <i>Journal of Organic Chemistry</i> , 2012, 77, 10211-10227.	3.2	25
26	One-Pot Five-Component Synthesis of Spirocyclopenta[<i>b</i>]chromene Derivatives and Their Acid-Catalyzed Rearrangement. <i>Journal of Organic Chemistry</i> , 2012, 77, 9018-9028.	3.2	35
27	Efficient Multicomponent Strategy to Pentacyclic Pyrazole-Fused Naphtho[1,8- <i>fg</i>]isoquinolines through Cleavage of Two Carbon–Carbon Bonds. <i>Organic Letters</i> , 2012, 14, 4894-4897.	4.6	34
28	A ligand-free copper(II)-catalyzed three-component reaction in poly(ethylene glycol) medium: a versatile protocol for the preparation of selected 3-indole derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 6223-6225.	1.4	25
29	Multicomponent Synthesis of Diverse 1,4-Benzodiazepine Scaffolds. <i>Organic Letters</i> , 2012, 14, 5916-5919.	4.6	58
30	Four-component synthesis of 2H-indazolo[2,1- <i>b</i>]phthalazine-1,6,11(13H)-trione derivatives. <i>Comptes Rendus Chimie</i> , 2012, 15, 1060-1064.	0.5	13
31	Synthesis of 8-aryl substituted benzo[<i>a</i>]phenanthridine derivatives by consecutive three component tandem reaction and 6-endo carbocyclization. <i>Tetrahedron</i> , 2012, 68, 8207-8215.	1.9	31
32	A concise route to indoloazocines via a sequential Ugi–gold-catalyzed intramolecular hydroarylation. <i>Chemical Communications</i> , 2012, 48, 6550.	4.1	86
33	Organocatalytic asymmetric epoxidation and tandem epoxidation/Passerini reaction under eco-friendly reaction conditions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7681.	2.8	44
34	A focused sulfated glycoconjugate Ugi library for probing heparan sulfate-binding angiogenic growth factors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6190-6194.	2.2	14
35	Synthesis of Isoquinolines and Heterocycle-Fused Pyridines via Three-Component Cascade Reaction of Aryl Ketones, Hydroxylamine, and Alkynes. <i>Journal of Organic Chemistry</i> , 2012, 77, 5794-5800.	3.2	158
36	Heterogenized tungsten complex: an efficient and high yielding catalyst for the synthesis of structurally diverse tetra substituted pyrrole derivatives via four-component assembly. <i>Tetrahedron Letters</i> , 2013, 54, 5624-5628.	1.4	44
37	Application of citric acid as highly efficient and green organocatalyst for multi-component synthesis of indazolo[2,1- <i>b</i>]phthalazine-triones. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 577-581.	2.2	16
38	Tunable Polymers Obtained from Passerini Multicomponent Reaction Derived Acrylate Monomers. <i>Macromolecules</i> , 2013, 46, 6031-6037.	4.8	85
39	A Facile Synthesis of Functionalized Dispirooxindole Derivatives via a Three-Component 1,3-Dipolar Cycloaddition Reaction. <i>Molecules</i> , 2013, 18, 5142-5154.	3.8	23
40	Novel Copper-Catalyzed Multicomponent Cascade Synthesis of Iminocoumarin Aryl Methyl Ethers. <i>Organic Letters</i> , 2013, 15, 3828-3831.	4.6	37
41	A novel multicomponent microwave-assisted synthesis of 5-aza-adenines. <i>RSC Advances</i> , 2013, 3, 15850.	3.6	31

#	ARTICLE	IF	CITATIONS
42	Catalytic Asymmetric Three-Component 1,3-Dipolar Cycloaddition of Aldehydes, Hydrazides, and Alkynes. <i>Journal of the American Chemical Society</i> , 2013, 135, 11473-11476.	13.7	66
43	Facile synthesis of multi-block copolymers containing poly(esterâ€“amide) segments with an ordered side group sequence. <i>Polymer Chemistry</i> , 2013, 4, 3659.	3.9	60
44	Switching the regioselectivity via indium(iii) and gold(i) catalysis: a post-Ugi intramolecular hydroarylation to azepino- and azocino-[c,d]indolones. <i>Chemical Communications</i> , 2013, 49, 6803.	4.1	84
45	Construction of functionalized tricyclic dihydropyrazino-quinazolinedione chemotypes via an Ugi/N-acyliminium ion cyclization cascade. <i>Tetrahedron Letters</i> , 2013, 54, 4467-4470.	1.4	13
46	Synthesis of Highly Substituted 4<i>H</i>-Pyrido[1,2-<i>a</i>]pyrimidines via a One-Pot Three-Component Condensation Reaction. <i>ACS Combinatorial Science</i> , 2013, 15, 519-524.	3.8	23
47	A one-pot, three-component, microwave-promoted synthesis of 2-amino-substituted 7-amino-1,2,4-triazolo[1,5-a][1,3,5]triazines. <i>Tetrahedron Letters</i> , 2013, 54, 5537-5540.	1.4	25
48	Multicomponent formation of fused pyrroles through p-TsOH promoted N-arylation. <i>Tetrahedron</i> , 2013, 69, 2941-2946.	1.9	27
49	Synthesis of novel peptides through Ugi-ligation and their anti-cancer activities. <i>Amino Acids</i> , 2013, 45, 975-981.	2.7	5
51	A mild entry to isoindolinones from furfural as renewable resource. <i>New Journal of Chemistry</i> , 2013, 37, 1195.	2.8	11
52	Ugi Multicomponent Reaction Product: The Inhibitive Effect on DNA Oxidation Depends upon the Isocyanide Moiety. <i>Journal of Organic Chemistry</i> , 2013, 78, 8696-8704.	3.2	22
53	Sulfonic acid-functionalized polypropylene fiber: highly efficient and recyclable heterogeneous Brønsted acid catalyst. <i>RSC Advances</i> , 2013, 3, 3939.	3.6	53
54	Iodine-catalyzed three component reaction: a novel synthesis of 2-aryl-imidazo[1,2-a]pyridine scaffolds. <i>RSC Advances</i> , 2013, 3, 20883.	3.6	29
55	Efficient Metalâ€“Free Synthesis of Various Pyrido[2â€“2,1â€“2,3]imidazoâ€“[4,5â€“<i>b</i>]quinolines. <i>Chemistry - A European Journal</i> , 2013, 19, 12249-12253.	3.3	30
56	A Highly Diastereoselective Threeâ€“component Domino Reaction in Water Yielding Polyâ€“substituted 4,5â€“Dihydropyrroles. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1039-1044.	4.9	9
57	Synthesis of quaternary Î±-amino acid-based arginase inhibitors via the Ugi reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4837-4841.	2.2	31
58	A Î²â€“Enaminoneâ€“Initiated Multicomponent Domino Reaction for the Synthesis of Indoloquinolizines and Benzoquinolizines from Acyclic Precursors. <i>Chemistry - A European Journal</i> , 2013, 19, 13207-13215.	3.3	34
59	Multicomponent domino reactions: borax catalyzed synthesis of highly functionalised pyran-annulated heterocycles. <i>RSC Advances</i> , 2013, 3, 21517.	3.6	34
60	Facile synthesis of photo-cleavable polymers via Passerini reaction. <i>Chemical Communications</i> , 2013, 49, 8549.	4.1	77

#	ARTICLE	IF	CITATIONS
61	Application of Functionalized Ketene Acetals "Microwave-Assisted Three-Component Domino Reaction for Rapid Direct Access to Imidazo[1,2-a]pyridines. Chinese Journal of Chemistry, 2013, 31, 1033-1038.	4.9	13
62	Multicomponent Reactions Involving Arynes, Quinolines, and Aldehydes. Organic Letters, 2013, 15, 4620-4623.	4.6	85
63	Diversity-Oriented Synthesis of Enantiopure Furofurans from Carbohydrates: An Expedient Approach with Built-in Michael Acceptor, Masked Aldehyde and Leaving Group in a Single Sugar Derivative. European Journal of Organic Chemistry, 2013, 2013, 6084-6097.	2.4	13
64	Metal-Free [3 + 2 + 1]/[2 + 2 + 1] Biscyclization: Stereospecific Construction with Concomitant Functionalization of Indolizin-5(1H)-one. Journal of Organic Chemistry, 2013, 78, 11414-11420.	3.2	7
65	Innovative macromolecular syntheses via isocyanide multicomponent reactions. Journal of Polymer Science Part A, 2013, 51, 3985-3991.	2.3	84
66	One-pot synthesis of highly substituted pyrroles using nano copper oxide as an effective heterogeneous nanocatalyst. Comptes Rendus Chimie, 2013, 16, 1063-1070.	0.5	34
67	A one-pot two-step microwave-assisted synthesis of N1-substituted 5,6-ring-fused 2-pyridones. Tetrahedron Letters, 2013, 54, 6905-6908.	1.4	10
68	Transient Protein States in Designing Inhibitors of the MDM2-p53 Interaction. Structure, 2013, 21, 2143-2151.	3.3	57
69	A simple, efficient, regioselective and one-pot preparation of N-hydroxy- and N-O-protected hydroxyindoles via cycloaddition of nitrosoarenes with alkynes. Synthetic scope, applications and novel by-products. Tetrahedron, 2013, 69, 10906-10920.	1.9	29
70	An InBr ₃ catalyzed one-pot three-component synthesis of functionalized spirodihydrofuran oxindoles via intramolecular alkyne carbonyl metathesis. Tetrahedron Letters, 2013, 54, 6991-6994.	1.4	19
71	A Copper-Catalyzed Multicomponent Reaction and "Click Strategy"™ for the Stereoselective Synthesis of a New Series of Oxazolone Peptidomimetics with 1-Acylamino Amide and 1-Amido Ketone Structures. Helvetica Chimica Acta, 2013, 96, 2251-2266.	1.6	5
72	Isocyanide-Mediated Multicomponent Synthesis of 1-C-Oximinoamidines. Organic Letters, 2013, 15, 5902-5905.	4.6	15
73	Enantioselective Organocatalytic Multicomponent Synthesis of 2,6-Diazabicyclo[2.2.2]octanones. Angewandte Chemie - International Edition, 2013, 52, 14143-14146.	13.8	32
74	Organocatalyzed Three-Component Ugi and Passerini Reactions of 4-Oxoazetidine-2-carbaldehydes and Azetidine-2,3-diones. Application to the Synthesis of 1 ³ -Lactams and 1 ³ -Lactones. Journal of Organic Chemistry, 2013, 78, 10154-10165.	3.2	32
75	Regioselective Synthesis of 1,2-Dihydroquinolines by a Solvent-Free MgBr ₂ -Catalyzed Multicomponent Reaction. Journal of Organic Chemistry, 2013, 78, 9614-9626.	3.2	31
76	A novel and easy route to 1,3,4-thiadiazine derivatives via the three-component reaction of phenylhydrazine, 1-bromo aryl ketones and aryl isothiocyanates. Tetrahedron Letters, 2013, 54, 6215-6217.	1.4	10
77	One-Pot, Two-Step Synthesis of Imidazo[1,2-a]benzimidazoles via A Multicomponent [4 + 1] Cycloaddition Reaction. ACS Combinatorial Science, 2013, 15, 551-555.	3.8	20
78	Efficient [4+1]/[3+2+1] bis-cyclizations stereoselectively yielding unprecedented polyacyclic indeno-fused xanthenes. Tetrahedron Letters, 2013, 54, 6341-6344.	1.4	4

#	ARTICLE	IF	CITATIONS
79	Domino [3+2+1] heterocyclization of isothiocyanates with aryl amidines leading to polysubstituted 1,3,5-triazine derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 1743-1746.	1.4	11
80	Multicomponent Combinatorial Development and Conformational Analysis of Prolyl Peptideâ€“Peptoid Hybrid Catalysts: Application in the Direct Asymmetric Michael Addition. <i>Journal of Organic Chemistry</i> , 2013, 78, 10221-10232.	3.2	40
81	A sustainable approach to the Ugi reaction in deep eutectic solvent. <i>Comptes Rendus Chimie</i> , 2013, 16, 1098-1102.	0.5	31
82	Micelle promoted multicomponent synthesis of 3-amino alkylated indoles via a Mannich-type reaction in water. <i>RSC Advances</i> , 2013, 3, 1673-1678.	3.6	44
83	A new rapid multicomponent domino heteroannulation of heterocyclic keteneaminals: solvent-free regioselective synthesis of functionalized benzo[g]imidazo[1,2-a]quinolinediones. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 781-786.	2.8	52
84	Nucleosides as reagents in multicomponent reactions: one-pot synthesis of heterocyclic nucleoside analogues incorporating pyrimidine-fused rings. <i>Tetrahedron Letters</i> , 2013, 54, 220-222.	1.4	22
85	Multicomponent reactions â€“ opportunities for the pharmaceutical industry. <i>Drug Discovery Today: Technologies</i> , 2013, 10, e15-e20.	4.0	149
86	Microwave-assisted, sequential four-component synthesis of polysubstituted 5,6-dihydroquinazolinones from acyclic precursors and a mild, halogenation-initiated method for their aromatization under focused microwave irradiation. <i>Green Chemistry</i> , 2013, 15, 511.	9.0	32
87	Stereoselective synthesis of N-heterocycles through amine addition to nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1917.	2.8	14
88	Pyridine Group Assisted Addition of Diazo-Compounds to Imines in the 3-CC Reaction of 2-Aminopyridines, Aldehydes, and Diazo-Compounds. <i>Organic Letters</i> , 2013, 15, 956-959.	4.6	35
89	Simultaneous dual endâ€“functionalization of peg via the passerini threeâ€“component reaction for the synthesis of ABC miktoarm terpolymers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 865-873.	2.3	53
90	Three-Component Domino Reactions for Regioselective Formation of Bis-indole Derivatives. <i>ACS Combinatorial Science</i> , 2013, 15, 135-140.	3.8	58
91	Development of Four-Component Synthesis of Tetra- and Pentasubstituted Polyfunctional Dihydropyrroles: Free Permutation and Combination of Aromatic and Aliphatic Amines. <i>ACS Combinatorial Science</i> , 2013, 15, 183-192.	3.8	53
92	An efficient and diastereoselective synthesis of hydrazino amides via a novel one-pot three-component reaction. <i>Tetrahedron</i> , 2013, 69, 3480-3485.	1.9	15
93	A novel three-component [5 + 1] heterocyclization leading to 2-azafluorenone synthesis and its polyfunctionalizations. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2417.	2.8	18
94	Stereoselective Multiple Bondâ€“Forming Transformations (MBFTs): The Power of 1,2- and 1,3-â€“Dicarbonyl Compounds. <i>Chemistry - A European Journal</i> , 2013, 19, 2218-2231.	3.3	99
95	Catalytic Ugi-Type Condensation of β -Isocyanoacetamide and Chiral Cyclic Imine: Access to Asymmetric Construction of Several Heterocycles. <i>Journal of Organic Chemistry</i> , 2013, 78, 3120-3131.	3.2	37
96	Direct Solvent-Free Regioselective Construction of Pyrrolo[1,2- <i>a</i>][1,10]phenanthrolines Based on Isocyanide-Based Multicomponent Reactions. <i>Organic Letters</i> , 2013, 15, 1262-1265.	4.6	55

#	ARTICLE	IF	CITATIONS
97	Efficient Catalyst-Free Four-Component Synthesis of Novel β^3 -Aminoethers Mediated by a Mannich Type Reaction. <i>ACS Combinatorial Science</i> , 2013, 15, 2-9.	3.8	28
98	CuFe ₂ O ₄ nanoparticles as a highly efficient and magnetically recoverable catalyst for the synthesis of medicinally privileged spiropyrimidine scaffolds. <i>RSC Advances</i> , 2013, 3, 2924.	3.6	70
99	Recent developments of ketene dithioacetal chemistry. <i>Chemical Society Reviews</i> , 2013, 42, 1251-1286.	38.1	217
100	Recent Advances in Diversity Oriented Synthesis through Isatin-Based Multicomponent Reactions. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 374-386.	2.7	196
101	One-pot synthesis of polyamides with various functional side groups via Passerini reaction. <i>Polymer Chemistry</i> , 2013, 4, 444-448.	3.9	117
102	Boric acid catalyzed Ugi three-component reaction in aqueous media. <i>RSC Advances</i> , 2013, 3, 4610.	3.6	27
103	An Expedient Route to Imidazo[1,4]diazepin-7-ones via A Post-Ugi Gold-Catalyzed Heteroannulation. <i>Organic Letters</i> , 2013, 15, 1874-1877.	4.6	61
104	Polyethylene glycol (PEG-200)-promoted sustainable one-pot three-component synthesis of 3-indole derivatives in water. <i>Applied Catalysis A: General</i> , 2013, 454, 160-163.	4.3	33
105	Silica supported tungstic acid (STA): an efficient catalyst for the synthesis of bis-spiro piperidine derivatives under milder condition. <i>Tetrahedron Letters</i> , 2013, 54, 1302-1306.	1.4	37
106	A general synthesis of tetrahydropyrazolo[3,4-d]thiazoles. <i>Tetrahedron</i> , 2013, 69, 4641-4651.	1.9	6
107	Dual Behavior of Isatin-Based Cyclic Ketimines with Dicarbomethoxy Carbene: Expedient Synthesis of Highly Functionalized Spirooxindolyl Oxazolidines and Pyrrolines. <i>Organic Letters</i> , 2013, 15, 1512-1515.	4.6	54
108	One-pot preparation of isocyanides from amines and their multicomponent reactions: crucial role of dehydrating agent and base. <i>RSC Advances</i> , 2013, 3, 10867.	3.6	28
109	Gold(I)-Catalyzed Post-Ugi Hydroarylation: An Approach to Pyrrolopyridines and Azepinoindoles. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2288-2292.	2.4	37
110	Convenient synthesis of perfluoroalkyl substituted 2-oxopyridine-fused 1,3-diazaheterocycles via a one-pot three-component reaction. <i>Tetrahedron</i> , 2013, 69, 4270-4275.	1.9	15
111	The development of a one pot, regiocontrolled, three-component reaction for the synthesis of thieno[2,3-c]pyrroles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2932.	2.8	6
112	Novel Double [3 + 2 + 1] Heteroannulation for Forming Unprecedented Dipyrazolo-Fused 2,6-Naphthyridines. <i>Organic Letters</i> , 2013, 15, 2258-2261.	4.6	60
113	Multicomponent Ligation of Steroids: Creating Diversity at the Linkage Moiety of Bis-spirostanic Conjugates by Ugi Reactions. <i>ACS Combinatorial Science</i> , 2013, 15, 320-330.	3.8	10
114	Discovery of a New Class of Natural Product-Inspired Quinazolinone Hybrid as Potent Antileishmanial agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4374-4392.	6.4	120

#	ARTICLE	IF	CITATIONS
115	A highly efficient protocol for the regio- and stereo-selective synthesis of spiro pyrrolidine and pyrrolizidine derivatives by multicomponent reaction. <i>Tetrahedron Letters</i> , 2013, 54, 3180-3184.	1.4	27
116	A novel route to synthesize lavendamycin analogues through an A3 coupling reaction. <i>Tetrahedron</i> , 2013, 69, 4890-4898.	1.9	26
117	Model Studies on the First Enzyme-Catalyzed Ugi Reaction. <i>Organic Letters</i> , 2013, 15, 566-569.	4.6	64
118	Copper(ii) ionic liquid catalyzed cyclization→aromatization of hydrazones with dimethyl acetylenedicarboxylate: a green synthesis of fully substituted pyrazoles. <i>New Journal of Chemistry</i> , 2013, 37, 2037.	2.8	29
119	Toward the ideal synthesis and transformative therapies: the roles of→step economy and function oriented synthesis. <i>Tetrahedron</i> , 2013, 69, 7529-7550.	1.9	101
120	Various cyclization scaffolds by a truly Ugi 4-CR. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4792.	2.8	38
121	FeCl ₃ catalysed multicomponent divergent synthesis of a library of indeno-fused heterocycles. <i>RSC Advances</i> , 2013, 3, 3291.	3.6	14
122	Multicomponent Domino [4+1+1] Carbocyclization Providing an Efficient and Regioselective Strategy to Fluorene→ones. <i>Chinese Journal of Chemistry</i> , 2013, 31, 737-744.	4.9	5
123	Chemodivergent, multicomponent domino reactions in aqueous media: l-proline-catalyzed assembly of densely functionalized 4H-pyrano[2,3-c]pyrazoles and bispyrazolyl propanoates from simple, acyclic starting materials. <i>Green Chemistry</i> , 2013, 15, 1292.	9.0	71
124	Metal→Free Michael→Addition→Initiated Three→Component Reaction for the Regioselective Synthesis of Highly Functionalized Pyridines: Scope, Mechanistic Investigations and Applications. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4131-4145.	2.4	53
125	Novel and efficient synthesis of 4,7-dihydro-1H-pyrrolo[2,3-b]pyridine derivatives via one-pot, three-component approach from N-substituted 5-amino-3-cyanopyrroles, various carbonyl→and active methylene compounds. <i>Tetrahedron</i> , 2013, 69, 5955-5967.	1.9	18
126	Aldol Reactions in Multicomponent Reaction Based Domino Pathways: A Multipurpose Enabling Tool in Heterocyclic Chemistry. <i>Organic Letters</i> , 2013, 15, 2738-2741.	4.6	67
127	Ionic Liquid Effect over the Biginelli Reaction under Homogeneous and Heterogeneous Catalysis. <i>ACS Catalysis</i> , 2013, 3, 1420-1430.	11.2	81
128	Three-component domino reactions providing rapid and efficient routes to fully substituted pyrroles. <i>RSC Advances</i> , 2013, 3, 5056.	3.6	16
129	Synthesis of Functionalized Pseudopeptides through Five-Component Sequential Ugi/Nucleophilic Reaction of N-Substituted 2-Alkynamides with Hydrazides. <i>Journal of Organic Chemistry</i> , 2013, 78, 6450-6456.	3.2	29
130	Multicomponent Synthesis of 4-Aminophthalazin-1(2H)-ones by Palladium-Catalyzed Isocyanide Insertion. <i>Journal of Organic Chemistry</i> , 2013, 78, 6735-6745.	3.2	47
131	Diversity→Oriented Three→Component Reactions of Diazo Compounds with Anilines and 4→Oxo→Enoates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9289-9292.	13.8	71
132	Three-component synthesis of poly-substituted tetrahydroindoles through p-TsOH promoted alkoxylation. <i>Tetrahedron Letters</i> , 2013, 54, 3176-3179.	1.4	10

#	ARTICLE	IF	CITATIONS
133	Engaging isatins in solvent-free, sterically congested Passerini reaction. <i>Green Chemistry</i> , 2013, 15, 1608.	9.0	24
134	A new insight into the Biginelli reaction: the dawn of multicomponent click chemistry?. <i>Polymer Chemistry</i> , 2013, 4, 5395.	3.9	119
135	A novel domino strategy for forming poly-substituted quaternary imidazoles through a Cs ₂ CO ₃ -promoted aryl migration process. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3603.	2.8	8
136	Aqueous SDS micelle-promoted acid-catalyzed domino ABB ² imino Diels–Alder reaction: a mild and efficient synthesis of privileged 2-methyl-tetrahydroquinoline scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3655.	2.8	25
137	N ^H -Heterocyclic Carbene-Catalyzed Annulations of Enals and Ynals with Indolin-2-ones: Synthesis of 3,4a-Dihydropyrano[3,2-b]indol-2-ones. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 321-326.	4.3	20
138	Four-Component Assembly of Natural-Product-Like Ring-Fused Isoquinuclidines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7476-7479.	2.4	6
139	Multicomponent Reactions for <i>de Novo</i> Synthesis of BODIPY Probes: <i>In Vivo</i> Imaging of Phagocytic Macrophages. <i>Journal of the American Chemical Society</i> , 2013, 135, 16018-16021.	13.7	127
140	Chemical Synthesis of Functional Poly(4-hydroxybutyrate) with Controlled Degradation via Intramolecular Cyclization. <i>Macromolecules</i> , 2013, 46, 9554-9562.	4.8	48
141	An Efficient One-Pot Four-Component Hantzsch Reaction to Prepare Hydroquinolines Catalyzed by a Poly(ethylene glycol) Bridged Dicationic Basic Ionic Liquid under Solvent-Free Conditions. <i>Advanced Materials Research</i> , 2013, 781-784, 247-252.	0.3	0
142	Synthesis of Diverse Asymmetric β,γ -Dienes Via the Passerini Three-Component Reaction for Head-to-Tail ADMET Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2821-2828.	2.2	27
143	Synthesis, Structure and H ⁺ /K ⁺ -ATPase Inhibitory Activity of Novel Triazolyl Substituted Tetrahydrobenzofuran Derivatives via One-pot Three-component Click Reaction. <i>Chinese Journal of Chemistry</i> , 2013, 31, 831-836.	4.9	7
144	The Ugi Four-Component Reaction Route to Photoinducible Electron-Transfer Systems. <i>ChemPlusChem</i> , 2013, 78, 137-141.	2.8	20
145	A Rhodium-Catalyzed Tandem Alkyne Dimerization/ 1,4-Addition Reaction. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3485-3491.	4.3	5
146	Diastereoselective Povarov-Like Reaction Involving <i>O</i> -Pivaloylated <i>D</i> -Galactosylimine. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 303-307.	4.3	5
147	Scope and Post-Transformations for the Borane-Isocyanide Multicomponent Reactions: Concise Access to Structurally Diverse Heterocyclic Compounds. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3273-3284.	4.3	11
148	Facile and Rapid Green Route for the Synthesis of Privileged Peptidotriazoles Based on Oxazolonic Acids by Click Fragment Assembly. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1287-1294.	3.2	1
151	Temporary Intramolecular Generation of Pyridine Carbenes in Metal-Free Three-Component C–H Bond Functionalisation/Aryl-Transfer Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 17578-17583.	3.3	46
152	Post-Ugi gold-catalyzed diastereoselective domino cyclization for the synthesis of diversely substituted spiroindolines. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2097-2102.	2.2	44

#	ARTICLE	IF	CITATIONS
153	Michael Addition-initiated Sequential Reactions from 1,3-dicarbonyls for the Synthesis of Polycyclic Heterocycles. <i>Current Organic Chemistry</i> , 2013, 17, 1920-1928.	1.6	32
154	Multicomponent reactions in nucleoside chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1706-1732.	2.2	24
155	Microwave-assisted Cu(I)-catalyzed, three-component synthesis of 2-(4-((1-phenyl-1 <i>H</i> -1,2,3-triazol-4-yl)methoxy)phenyl)-1 <i>H</i> -benzo[<i>d</i>]imidazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1413-1420.	2.2	7
156	Consecutive isocyanide-based multicomponent reactions: synthesis of cyclic pentadepsipeptoids. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1017-1022.	2.2	29
157	Isocyanide-based multicomponent reactions towards cyclic constrained peptidomimetics. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 544-598.	2.2	228
158	The Ugi four-component reaction as a concise modular synthetic tool for photo-induced electron transfer donor-anthraquinone dyads. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1006-1016.	2.2	9
159	Passerini and Ugi Multicomponent Reactions in Polymer Science. <i>Advances in Polymer Science</i> , 2014, , 61-86.	0.8	40
160	Metal-Catalyzed Multicomponent Reactions for the Synthesis of Polymers. <i>Advances in Polymer Science</i> , 2014, , 1-15.	0.8	5
161	Novel Potent Imidazo[1,2- <i>a</i>]pyridine- <i>N</i> -Glyciny-Hydrazone Inhibitors of TNF- α Production: In Vitro and In Vivo Studies. <i>PLoS ONE</i> , 2014, 9, e91660.	2.5	16
162	An Efficient and Convenient Approach for the Synthesis of Novel Pyrazolo[1,2- <i>a</i>]triazole-triones and Evaluation of their Antimicrobial Activities. <i>Australian Journal of Chemistry</i> , 2014, 67, 867.	0.9	12
163	Novel Synthesis, Molecular Structure, and Theoretical Studies of Dispiro Compounds via Pseudo-eight-component Reaction. <i>Australian Journal of Chemistry</i> , 2014, 67, 1656.	0.9	9
164	Base-catalyzed cyclization of Ugi-adducts to substituted indolyl based β -lactams. <i>Monatshefte für Chemie</i> , 2014, 145, 1947-1952.	1.8	16
165	Highly diastereoselective synthesis of quinoline-2,5-diones and pyrazolo[3,4- <i>b</i>]pyridin-6(7 <i>H</i>)-ones under microwave irradiation. <i>RSC Advances</i> , 2014, 4, 54480-54486.	3.6	21
166	What do we know about multicomponent reactions? Mechanisms and trends for the Biginelli, Hantzsch, Mannich, Passerini and Ugi MCRs. <i>RSC Advances</i> , 2014, 4, 54282-54299.	3.6	193
170	Cascade Reactions: A Multicomponent Approach to Functionalized Indane Derivatives by a Tandem Palladium-Catalyzed Carbamoylation/Carbocyclization Process. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2547-2558.	4.3	32
171	Imine and iminium precursors as versatile intermediates in α -enantioselective organocatalysis. <i>Tetrahedron</i> , 2014, 70, 8783-8815.	1.9	61
172	One-pot three-component synthesis of pyrido[2,3- <i>b</i>]imidazo[4,5- <i>c</i>]isoquinolines using $\text{Fe}_3\text{O}_4/\text{SiO}_2$ -OSO $_3\text{H}$ as an efficient heterogeneous nanocatalyst. <i>RSC Advances</i> , 2014, 4, 64169-64173.	3.6	154
173	An Efficient Approach to the Synthesis of Hydrazinyl Pseudo-Peptides. <i>Helvetica Chimica Acta</i> , 2014, 97, 1630-1637.	1.6	8

#	ARTICLE	IF	CITATIONS
174	Nano-MoO ₃ as a Highly Efficient Heterogeneous Catalyst for a One-Pot Synthesis of Tetrahydropyrimidine Derivatives in Water. <i>Journal of Chemical Research</i> , 2014, 38, 607-610.	1.3	7
175	A four-component synthesis of dihydropyrano[2,3-c]pyrazoles in a new water-based worm-like micellar medium. <i>Tetrahedron Letters</i> , 2014, 55, 3588-3591.	1.4	65
176	Synthesis and lipophilicity evaluation of some novel indole-containing pseudopeptides. <i>Monatshefte für Chemie</i> , 2014, 145, 349-356.	1.8	6
177	Design and synthesis of anti-cancer cyclopeptides containing triazole skeleton. <i>Amino Acids</i> , 2014, 46, 1033-1046.	2.7	24
178	Copper-catalyzed one-pot synthesis of glycosylated iminocoumarins and 3-triazolyl-2-iminocoumarins. <i>RSC Advances</i> , 2014, 4, 5803.	3.6	13
179	FeCl ₃ ·6H ₂ O catalyzed aqueous media domino synthesis of 5-monoalkylbarbiturates: water as both reactant and solvent. <i>RSC Advances</i> , 2014, 4, 10402-10411.	3.6	18
180	Synthesis of 4-Aminoxanthenes by an Uncatalyzed, Multicomponent Reaction. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 718-722.	4.3	31
181	Synthesis of Imidazo[1,2-a]pyridines Using Fe ₃ O ₄ @SiO ₂ as an Efficient Nanomagnetic Catalyst via a One-Pot Multicomponent Reaction. <i>Helvetica Chimica Acta</i> , 2014, 97, 587-593.	1.6	63
182	An efficient one-pot three-component synthesis and antimicrobial evaluation of tetra substituted thiophene derivatives. <i>Chinese Chemical Letters</i> , 2014, 25, 1099-1103.	9.0	21
183	Concise synthesis of aromatic tertiary amines via a double Petasis borono Mannich reaction of aromatic amines, formaldehyde, and organoboronic acids. <i>Tetrahedron Letters</i> , 2014, 55, 3888-3891.	1.4	20
184	Potassium phthalimide-catalysed one-pot multi-component reaction for efficient synthesis of amino-benzochromenes in aqueous media. <i>Chemical Papers</i> , 2014, 68, .	2.2	20
185	Efficient three-component reactions of α -thiocyanato ketones stereoselectively forming E-3-arylidene-2-oxindole derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 215-218.	1.4	9
186	Synthesis of pyrido[2,1-a]imidazo[4,5-c]isoquinolines via a one-pot, three-component reaction. <i>Tetrahedron Letters</i> , 2014, 55, 1848-1850.	1.4	11
187	Synthesis of 5-Cinnamoyl-3,4-dihydropyrimidine-2(1H)-ones. <i>Synthetic Communications</i> , 2014, 44, 1649-1657.	2.1	10
188	Multicomponent reactions: advanced tools for sustainable organic synthesis. <i>Green Chemistry</i> , 2014, 16, 2958-2975.	9.0	989
189	Recent advances in the synthesis of pyrroles by multicomponent reactions. <i>Chemical Society Reviews</i> , 2014, 43, 4633-4657.	38.1	602
190	coupling partners for secondary amino acids. <i>Molecular Diversity</i> , 2014, 18, 61-77.	3.9	15
191	Passerini addition polymerization of an AB-type monomer – A convenient route to versatile polyesters. <i>European Polymer Journal</i> , 2014, 50, 150-157.	5.4	36

#	ARTICLE	IF	CITATIONS
192	The Alternative Route to Enantiopure Multicomponent Reaction Products: Biocatalytic or Organocatalytic Enantioselective Production of Inputs for Multicomponent Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2005-2015.	2.4	36
193	Three-Component Coupling Approach for the Synthesis of Diverse Heterocycles Utilizing Reactive Nitrilium Trapping. <i>Organic Letters</i> , 2014, 16, 1668-1671.	4.6	20
194	Eco-efficient ultrasonic responsive synthesis of pyrimidines/pyridines. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 472-477.	8.2	49
195	An efficient domino Knoevenagel/hetero-Diels-Alder route to some novel thiochromenoquinoline-fused polyheterocycles. <i>Monatshefte für Chemie</i> , 2014, 145, 1179-1189.	1.8	13
196	Chemoenzymatic synthesis and application of a new, easily chiral auxiliary for the synthesis of peptidomimetics via an Ugi reaction. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 435-442.	1.8	8
197	Exploiting the divalent nature of isonitriles: a novel Pictet-Spengler amidination process. <i>Tetrahedron Letters</i> , 2014, 55, 3328-3331.	1.4	19
198	Task-specific ionic liquid incorporating anionic heteropolyacid-catalyzed Hantzsch and Mannich multicomponent reactions. Ionic liquid effect probed by ESI-MS(/MS). <i>Tetrahedron</i> , 2014, 70, 3306-3313.	1.9	69
199	Concise synthesis of C-1-cyano-aminosugars via a new Staudinger/aza Wittig/Strecker multicomponent reaction strategy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2777-2780.	2.2	18
200	Regioselective Synthesis of Diversely Substituted Diazoninones Through a Post-Ugi Gold-Catalyzed Intramolecular Hydroarylation Process. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2084-2091.	2.4	39
201	Convenient DABCO-catalyzed one-pot synthesis of multi-substituted pyrano[2,3-c]pyrazole dicarboxylates. <i>Tetrahedron</i> , 2014, 70, 3976-3980.	1.9	32
202	Synthesis of 1-(1H-tetrazol-5-yl)-2H-indole Derivatives through Ugi Four-Component and Silver-Catalyzed Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3379-3386.	2.4	12
203	MCRs reshaped into a switchable microwave-assisted protocol toward 5-aminoimidazoles and dihydrotriazines. <i>Tetrahedron</i> , 2014, 70, 54-59.	1.9	29
204	Efficient and environmentally benign synthetic protocol for the synthesis of structurally diverse annulated pyridopyrimidines. <i>Green Chemistry Letters and Reviews</i> , 2014, 7, 37-45.	4.7	3
205	Facile Synthesis of 4H-Pyran Derivatives Bearing Indole Skeleton via [3+3] Cyclization of 3-Indolyl-3-oxopropanenitriles with Dialkyl Acetylenedicarboxylates and Isocyanides. <i>Chinese Journal of Chemistry</i> , 2014, 32, 381-386.	4.9	9
206	Multicomponent Reactions for Diverse Synthesis of 6-Substituted and NH 1,4-Dihydropyridines. <i>Chinese Journal of Chemistry</i> , 2014, 32, 219-226.	4.9	21
207	Synthesis, spectroscopic and DFT studies of novel fluorescent dyes: 3-Aminoimidazo[1,2-a]pyridines possessing 4-pyrone moieties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 614-621.	3.9	20
208	Multicomponent Heterocyclic Chemistry for Undergraduate Organic Laboratory: Biginelli Reaction with Multiple Unknowns. <i>Journal of Chemical Education</i> , 2014, 91, 943-945.	2.3	27
209	Facts, Presumptions, and Myths on the Solvent-Free and Catalyst-Free Biginelli Reaction. What is Catalysis for?. <i>Journal of Organic Chemistry</i> , 2014, 79, 3383-3397.	3.2	82

#	ARTICLE	IF	CITATIONS
210	Domino Reaction of Arylglyoxals with Pyrazol-5-amines: Selective Access to Pyrazolo-Fused 1,7-Naphthyridines, 1,3-Diazocanes, and Pyrroles. <i>Journal of Organic Chemistry</i> , 2014, 79, 5258-5268.	3.2	61
211	Microwave-Assisted Chemistry: Synthetic Applications for Rapid Assembly of Nanomaterials and Organics. <i>Accounts of Chemical Research</i> , 2014, 47, 1338-1348.	15.6	542
212	Syntheses of Fused Tetracyclic Quinolines via Ugi-Variant MCR and Pd-Catalyzed Bis-annulation. <i>Journal of Organic Chemistry</i> , 2014, 79, 436-440.	3.2	26
213	A novel green synthesis of α -amino acid functionalized pyrimidinone peptidomimetics using triazole ligation through click-multi-component reactions. <i>Tetrahedron Letters</i> , 2014, 55, 227-231.	1.4	25
214	A green and convenient protocol for the synthesis of novel pyrazolopyranopyrimidines via a one-pot, four-component reaction in water. <i>Tetrahedron Letters</i> , 2014, 55, 1226-1228.	1.4	99
215	Novel spirooxindole-pyrrolidine compounds: Synthesis, anticancer and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 50-64.	5.5	126
216	Towards a facile and convenient synthesis of highly functionalized indole derivatives based on multi-component reactions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1649-1651.	2.8	20
217	A facile protocol for the synthesis of 3-aminoimidazo-fused heterocycles via the Groebke-Blackburn-Bienayme reaction under catalyst-free and solvent-free conditions. <i>Green Chemistry</i> , 2014, 16, 1168.	9.0	99
218	New formal (3+3) cycloaddition of enaminones for forming tetracyclic indolo[2,3-b]quinolines under microwave irradiation. <i>Tetrahedron</i> , 2014, 70, 1004-1010.	1.9	28
219	Synthesis of 3-tetrazolylmethyl-4H-chromen-4-ones via Ugi-azide and biological evaluation against <i>Entamoeba histolytica</i> , <i>Giardia lamblia</i> and <i>Trichomona vaginalis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1370-1376.	3.0	45
220	Copper-catalyzed multicomponent reactions of 2-iodoanilines, benzylamines, and elemental sulfur toward 2-arylbenzothiazoles. <i>Tetrahedron Letters</i> , 2014, 55, 945-949.	1.4	29
221	Synthesis of Chiral β -Lactones by One-Pot Sequential Enantioselective Organocatalytic Michael Addition of Boronic Acids and Diastereoselective Intramolecular Passerini Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 10881-10889.	3.2	19
222	Microwave-assisted synthesis of tetrasubstituted aryl imidazole based polymers via cascade polycondensation process. <i>Polymer</i> , 2014, 55, 6435-6438.	3.8	9
223	The Ugi-Smiles and Passerini-Smiles Couplings: A Story About Phenols in Isocyanide-Based Multicomponent Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7749-7762.	2.4	65
224	Modular, Flexible, and Stereoselective Synthesis of Pyrroloquinolines: Rapid Assembly of Complex Heterocyclic Scaffolds. <i>Organic Letters</i> , 2014, 16, 6236-6239.	4.6	24
225	Four-Component Bicyclization Approaches to Skeletally Diverse Pyrazolo[3,4-b]pyridine Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 11110-11118.	3.2	63
226	Borax catalyzed domino reactions: synthesis of highly functionalised pyridines, dienes, anilines and dihydropyrano[3,2-c]chromenes. <i>RSC Advances</i> , 2014, 4, 29750-29758.	3.6	30
227	Probing the mechanism of the Ugi four-component reaction with charge-tagged reagents by ESI-MS(/MS). <i>Chemical Communications</i> , 2014, 50, 338-340.	4.1	63

#	ARTICLE	IF	CITATIONS
228	Facile synthesis of 2-substituted quinolines and 3-alkynyl-2-aryl-2H-Indazole via SnCl ₂ -mediated reductive cyclization. RSC Advances, 2014, 4, 58476-58480.	3.6	28
229	Introducing the Ugi reaction into polymer chemistry as a green click reaction to prepare middle-functional block copolymers. Polymer Chemistry, 2014, 5, 2704-2708.	3.9	93
230	Three-component anti selective Mannich reactions in a tetrahydro-4-pyranone system by using PDAG-Co catalyst. Heterocyclic Communications, 2014, 20, .	1.2	3
231	Four-component strategy for selective synthesis of azepino[5,4,3-cd]indoles and pyrazolo[3,4-b]pyridines. Chemical Communications, 2014, 50, 6108-6111.	4.1	54
232	Highly stereoselective one-pot construction of trisubstituted tetrahydro- β -carboline-fused diketopiperazines: a synthetic route towards cialis analogues. RSC Advances, 2014, 4, 38159-38163.	3.6	17
233	One pot™ synthesis of well-defined poly(aminophosphonate)s: time for the Kabachnik–Fields reaction on the stage of polymer chemistry. Polymer Chemistry, 2014, 5, 1857-1862.	3.9	90
234	Efficient three-component coupling reactions catalyzed by Cu ⁰ -nanoparticles stabilized on modified montmorillonite. Catalysis Science and Technology, 2014, 4, 1047-1054.	4.1	69
235	Synthesis of tertiary propargylamines via a rationally designed multicomponent reaction of primary amines, formaldehyde, arylboronic acids and alkynes. Organic and Biomolecular Chemistry, 2014, 12, 5597-5600.	2.8	19
236	Recyclable Bi ₂ WO ₆ -nanoparticle mediated one-pot multicomponent reactions in aqueous medium at room temperature. RSC Advances, 2014, 4, 54168-54174.	3.6	43
237	Functional highly branched polymers from multicomponent polymerization (MCP) based on the ABC type Passerini reaction. Polymer Chemistry, 2014, 5, 3316.	3.9	55
238	Stereocontrolled Disruption of the Ugi Reaction toward the Production of Chiral Piperazinones: Substrate Scope and Process Development. Journal of Organic Chemistry, 2014, 79, 9948-9957.	3.2	21
239	Double oxidation of α -(alkylideneamino)nitriles to imides by molecular oxygen under mild basic conditions. Chemical Communications, 2014, 50, 14334-14337.	4.1	9
240	Ligand-free MCR for linking quinoxaline framework with a benzimidazole nucleus: a new strategy for the identification of novel hybrid molecules as potential inducers of apoptosis. Organic and Biomolecular Chemistry, 2014, 12, 6800.	2.8	21
241	Substrate derived peptidic α -ketoamides as inhibitors of the malarial protease PfSUB1. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4486-4489.	2.2	25
242	Domino condensation–heterocyclisation reactions: iodine catalyzed four component synthesis of 1,3-thiazine. RSC Advances, 2014, 4, 8808.	3.6	5
243	Evolution of a strategy for preparing bioactive small molecules by sequential multicomponent assembly processes, cyclizations, and diversification. Organic and Biomolecular Chemistry, 2014, 12, 7659-7672.	2.8	42
244	Combined A ³ Coupling and Click Chemistry Approach for the Synthesis of Dendrimer-Based Biological Tools. ACS Macro Letters, 2014, 3, 1079-1083.	4.8	21
245	An efficient three-component synthesis of highly functionalized tetrahydroacenaphtho[1,2-b]indolone derivatives catalyzed by L-proline. Molecular Diversity, 2014, 18, 727-736.	3.9	15

#	ARTICLE	IF	CITATIONS
246	A facile synthesis of 2H-indazoles under neat conditions and further transformation into aza- β -carboline alkaloid analogues in a tandem one-pot fashion. <i>RSC Advances</i> , 2014, 4, 34232.	3.6	42
247	A facile one-pot protocol for the synthesis of tetrazolyl-tetrahydroisoquinolines via novel domino intramolecular cyclization/Ugi-azide sequence. <i>Tetrahedron Letters</i> , 2014, 55, 6821-6826.	1.4	24
248	From targeted aza-Michael addition to linked azaheterocyclic scaffolds. <i>Tetrahedron</i> , 2014, 70, 7336-7343.	1.9	8
249	Carbohydrates as a reagent in multicomponent reactions: one-pot access to a new library of hydrophilic substituted pyrimidine-fused heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9419-9426.	2.8	36
250	Selectivity tunable divergent synthesis of 1,4- and 1,2-dihydropyridines via three-component reactions. <i>Tetrahedron</i> , 2014, 70, 7874-7880.	1.9	47
251	Synthesis and fluorescence properties of benzoxazole-1,4-dihydropyridine dyads achieved by a multicomponent reaction. <i>New Journal of Chemistry</i> , 2014, 38, 4607-4614.	2.8	27
252	Copper(I)-Catalyzed Decarboxylative Coupling of Propiolic Acids with Secondary Amines and Aldehydes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5346-5350.	2.4	25
253	Three-component cascade reaction synthesis of polycyclic 1,4-dihydropyridine derivatives in water. <i>Tetrahedron</i> , 2014, 70, 6578-6584.	1.9	16
254	Synthesis of Functionalized β -Lactams and Pyrrolidine-2,5-diones through a Metal-Free Sequential Ugi-4CR/Cyclization Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 7926-7934.	3.2	61
255	Synthesis of 3-oxo-1,4-diazepine-5-carboxamides and 6-(4-oxo-chromen-3-yl)-pyrazinones via sequential Ugi-4CC/Staudinger/intramolecular nucleophilic cyclization and Ugi-4CC/Staudinger/aza-Wittig reactions. <i>Tetrahedron</i> , 2014, 70, 8142-8147.	1.9	22
256	Introducing mercaptoacetic acid locking imine reaction into polymer chemistry as a green click reaction. <i>Polymer Chemistry</i> , 2014, 5, 2695-2699.	3.9	51
257	Combinatorial Synthesis of Functionalized Spirooxindole-Pyrrolidine/Pyrrolizidine/Pyrrolothiazole Derivatives via Three-Component 1,3-Dipolar Cycloaddition Reactions. <i>ACS Combinatorial Science</i> , 2014, 16, 506-512.	3.8	43
258	A highly efficient synthesis of imidazo-fused polyheterocycles via Groebke-Blackburn-Bienaym reaction catalyzed by $\text{LaCl}_3 \cdot 7\text{H}_2\text{O}$. <i>Tetrahedron Letters</i> , 2014, 55, 5915-5920.	1.4	34
259	Three-Component Bicyclization Providing an Expedient Access to Pyrano[2,3- <i>b</i>]pyridines and Its Derivatives. <i>ACS Combinatorial Science</i> , 2014, 16, 647-651.	3.8	20
260	A Facile Diversity-Oriented Multicomponent One-Pot Synthesis of 3-Amino-6,7-dihydrobenzo[<i>c</i>]thiophene-4(5 <i>H</i>)-one Derivatives from β -Oxo- α -N-Substituted Ketone Acetal. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, E358.	1.9	18
261	DMAP-catalyzed four-component one-pot synthesis of highly functionalized spirooxindole-1,4-dihydropyridines derivatives in aqueous ethanol. <i>Tetrahedron</i> , 2014, 70, 8768-8774.	1.9	23
262	Indium catalyzed solvent-free multicomponent synthesis of cytotoxic dibenzo[<i>a,h</i>]anthracenes from aldehydes, 2-hydroxy-1,4-naphthoquinone, and 2-naphthol. <i>Tetrahedron</i> , 2014, 70, 8480-8487.	1.9	18
263	Metal-Free Multicomponent Syntheses of Pyridines. <i>Chemical Reviews</i> , 2014, 114, 10829-10868.	47.7	429

#	ARTICLE	IF	CITATIONS
264	Multicomponent reactions in PEG-400: ruthenium-catalyzed synthesis of substituted pyrroles. <i>Tetrahedron Letters</i> , 2014, 55, 5932-5935.	1.4	16
265	Multicomponent Approach to Silica-Grafted Peptide Catalysts: A Continuous-Flow Organocatalytic System with On-line Monitoring of Conversion and Stereoselectivity. <i>ChemCatChem</i> , 2014, 6, 3208-3214.	3.7	24
266	Nano-Mgo-Catalyzed One-Pot Synthesis of Phosphonate Ester Functionalized 2-Amino-3-Cyano-4 <i>H</i> -Chromene Scaffolds at Room Temperature. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 873-888.	1.6	38
267	Solvent- and Catalyst-free Synthesis of (2-Amino-3-cyano-4 <i>H</i> -chromen-4-yl) Phosphonates. <i>Organic Preparations and Procedures International</i> , 2014, 46, 435-443.	1.3	9
268	Regio- and Chemoselective Formation of Spiroindolinone-Isoindolinone by a Palladium-Catalyzed Buchwald-Hartwig Addition-Elimination Sequence. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6634-6638.	2.4	27
269	Reusable 1,2,4-Triazolium Based Brønsted Acidic Room Temperature Ionic Liquids as Catalyst for Mannich Base Reaction. <i>Catalysis Letters</i> , 2014, 144, 1507-1514.	2.6	16
270	Modern multicomponent reactions for better drug syntheses. <i>Organic Chemistry Frontiers</i> , 2014, 1, 834-837.	4.5	116
271	A Novel One-Pot Multicomponent Enzymatic Synthesis of 2,4-Disubstituted Thiazoles. <i>Catalysis Letters</i> , 2014, 144, 928-934.	2.6	6
272	Azidoisocyanides, New Bifunctional Reagents for Multicomponent Reactions and Biomolecule Modifications. <i>Chemistry of Natural Compounds</i> , 2014, 50, 197-213.	0.8	9
273	Diastereoselective Construction of Tetrahydropyridine Fused Bicyclic Structures via Three-Component Domino Reaction. <i>Journal of Organic Chemistry</i> , 2014, 79, 7232-7238.	3.2	52
274	Regioselective Multicomponent Domino Reactions Providing Rapid and Efficient Routes to Fused Acridines. <i>Heterocycles</i> , 2014, 88, 1065.	0.7	5
275	Magnetically recoverable nanoparticles as efficient catalysts for organic transformations in aqueous medium. <i>Green Chemistry</i> , 2014, 16, 3401-3427.	9.0	232
276	A Catalyst-Free Aqueous Synthesis of 2-Amino-7,9-dihydrothieno[3,2- <i>b</i>]pyrido[2,3- <i>c</i>]pyrimidine-4,6-dione Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, E163.	4.6	134
277	Multicomponent Cascade Assembly for Quinolinopyranpyrazole Architectures. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1505-1513.	2.4	34
278	Pyrrolidinone and Piperidinone Isocyanides from Isocyano Esters. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4949-4952.	2.4	5
279	Combinatorial Multicomponent Access to Natural-Inspired Peptidomimetics: Discovery of Selective Inhibitors of Microbial Metallo-aminopeptidases. <i>ChemMedChem</i> , 2014, 9, 2351-2359.	3.2	19
280	Three-Component Coupling Reaction Triggered by Insertion of Arynes into the S=O Bond of DMSO. <i>Organic Letters</i> , 2014, 16, 3768-3771.	4.6	134
281	Nano-size ZnS: A novel, efficient and recyclable catalyst for A3-coupling reaction of propargylamines. <i>Journal of Molecular Catalysis A</i> , 2014, 381, 126-131.	4.8	50

#	ARTICLE	IF	CITATIONS
282	Efficient and Regioselective Synthesis of Novel Functionalized Dispiropyrrrolidines and Their Cytotoxic Activities. <i>ACS Combinatorial Science</i> , 2014, 16, 139-145.	3.8	34
283	A Metal-Free Three-Component Reaction for the Regioselective Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10155-10159.	13.8	152
284	Multicomponent reactions involving phosphines, arynes and aldehydes. <i>Chemical Communications</i> , 2014, 50, 11389.	4.1	56
285	Solvent switchable cycloaddition: a (one-pot) metal-free approach towards N-substituted benzo[e]- or [f]isoidolones via C _{sp2} -H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8861-8865.	2.8	12
286	Efficient three-component Gewald reactions under Et ₃ N/H ₂ O conditions. <i>Journal of Sulfur Chemistry</i> , 2014, 35, 261-269.	2.0	16
287	The Multicomponent Hantzsch Reaction: Comprehensive Mass Spectrometry Monitoring Using Charge-Tagged Reagents. <i>Chemistry - A European Journal</i> , 2014, 20, 12808-12816.	3.3	45
288	Multicomponent reactions for facile access to coumarin-fused dihydroquinolines and quinolines: synthesis and photophysical studies. <i>New Journal of Chemistry</i> , 2014, 38, 4722-4729.	2.8	38
289	Solid-Phase Synthesis of Piperazinones via Disrupted Ugi Condensation. <i>Organic Letters</i> , 2014, 16, 4674-4677.	4.6	14
290	A Metal-Free Three-Component Reaction for the Regioselective Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles. <i>Angewandte Chemie</i> , 2014, 126, 10319-10323.	2.0	40
291	The mechanism and regioselectivity of gold(I) or platinum(II) catalyzed intramolecular hydroarylation to pyrrolopyridinones and pyrroloazepinones. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8433-8441.	2.8	8
292	Synthesis of Diverse Nitrogen-Enriched Heterocyclic Scaffolds Using a Suite of Tunable One-Pot Multicomponent Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 5153-5162.	3.2	31
293	Three-Component Pd/Cu-Catalyzed Cascade Reactions of Cyclic Iodoniums, Alkynes, and Boronic Acids: An Approach to Methylidenefluorenes. <i>Organic Letters</i> , 2014, 16, 2350-2353.	4.6	68
294	Synthesis of functionalized chromones through sequential reactions in aqueous media. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5757-5765.	2.8	17
295	Synthesis of 1,5-Dideoxy-1,5-iminoribitol C-Glycosides through a Nitron-Olefin Cycloaddition Domino Strategy: Identification of Pharmacological Chaperones of Mutant Human Lysosomal β -Galactosidase. <i>Journal of Organic Chemistry</i> , 2014, 79, 4398-4404.	3.2	45
296	Practical Synthesis of Phthalimides and Benzamides by a Multicomponent Reaction Involving Arynes, Isocyanides, and CO ₂ /H ₂ O. <i>Organic Letters</i> , 2014, 16, 1728-1731.	4.6	78
297	Predicting New Ugi-Smiles Couplings: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2014, 20, 9094-9099.	3.3	6
298	Diastereoselective Synthesis of Dihydroisindolo[2,1-a]quinolin-11-ones by Solvent-Free AMCell-SO ₃ H-Catalyzed Imino Diels-Alder/Intramolecular Amide Cyclization Cascade Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 5327-5333.	3.2	27
299	Multicomponent Reactions with a Convertible Isocyanide: Efficient and Versatile Grafting of ADMET-Derived Polymers. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2207-2220.	2.2	23

#	ARTICLE	IF	CITATIONS
300	Synthesis of fully functionalized iminolactones via an isocyanide-based three-component reaction. Journal of the Iranian Chemical Society, 2014, 11, 1183-1187.	2.2	8
301	Discovery and SAR studies of a novel class of cytotoxic 1,4-disubstituted piperidines via Ugi reaction. European Journal of Medicinal Chemistry, 2014, 83, 174-189.	5.5	10
302	Selective Synthesis of Functionalized Spiro[indoline-3,2'-pyridines] and Spiro[indoline-3,4'-pyridines] by Lewis Acid Catalyzed Reactions of Acetylenedicarboxylate, Arylamines, and Isatins. Journal of Organic Chemistry, 2014, 79, 4131-4136.	3.2	67
303	Transition Metal-Free Cascade Reactions of Alkynols to Afford Isoquinolin-1(2H)-one and Dihydroisobenzofuran Derivatives. Journal of Organic Chemistry, 2014, 79, 4602-4614.	3.2	31
304	Organocatalytic Enantioselective Multicomponent Synthesis of Pyrrolpiperazines. Advanced Synthesis and Catalysis, 2014, 356, 851-856.	4.3	22
305	Nano ZrO ₂ : an efficient, recyclable, and inexpensive catalyst for diastereoselective three-component Mannich reactions. Canadian Journal of Chemistry, 2014, 92, 659-664.	1.1	5
306	Modulators of Protein-Protein Interactions. Chemical Reviews, 2014, 114, 4695-4748.	47.7	407
307	Asymmetric Ugi 3CR on isatin-derived ketimine: synthesis of chiral 3,3-disubstituted 3-aminooxindole derivatives. Beilstein Journal of Organic Chemistry, 2014, 10, 1383-1389.	2.2	27
308	Concurrent Oxidation of Alcohols and the Passerini Three-Component Polymerization for the Synthesis of Functional Poly(ester amide)s. Macromolecular Chemistry and Physics, 2014, 215, 2221-2228.	2.2	18
310	Construction of Diverse and Functionalized 2-Hydroxychromenes by Organocatalytic Multicomponent Reactions. European Journal of Organic Chemistry, 2015, 2015, 5212-5220.	2.4	23
312	Efficient Rhodium-Catalyzed Multicomponent Reaction for the Synthesis of Novel Propargylamines. Chemistry - A European Journal, 2015, 21, 17701-17707.	3.3	27
314	Divergent Multicomponent Tandem Palladium-Catalyzed Aminocarbonylation-Cyclization Approaches to Functionalized Imidazothiazinones and Imidazothiazoles. ChemCatChem, 2015, 7, 2206-2213.	3.7	38
316	Asymmetric Construction of Spirooxindoles by Organocatalytic Multicomponent Reactions Using Diazooxindoles. Angewandte Chemie - International Edition, 2015, 54, 9409-9413.	13.8	88
317	Modular Access to Tetrasubstituted Imidazolium Salts through Acid-Catalyzed Addition of Isocyanides to Propargylamines. European Journal of Organic Chemistry, 2015, 2015, 4383-4388.	2.4	17
318	Multicomponent Reactions, Union of MCRs and Beyond. Chemical Record, 2015, 15, 981-996.	5.8	214
320	Isocyanides as Influenza A Virus Subtype H5N1 Wild-Type M2 Channel Inhibitors. ChemMedChem, 2015, 10, 1837-1845.	3.2	12
321	A Four-Component Reaction for the Synthesis of Dioxadiazaborocines. Angewandte Chemie - International Edition, 2015, 54, 8395-8397.	13.8	29
322	Copper-Catalyzed One-Pot Synthesis of Isoindolinones from 2-Chlorobenzoic Acid, Aryl Alkynyl Carboxylic Acid, and Ammonium Acetate. Bulletin of the Korean Chemical Society, 2015, 36, 1745-1746.	1.9	5

#	ARTICLE	IF	CITATIONS
323	Rapid Access to Polyfunctionalized 3,4-Dihydroquinazolinones through a Sequential α -Acyliminium Ion Mannich Reaction Cascade. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7743-7755.	2.4	14
324	The Synthesis of Stable, Complex Organocesium Tetramic Acids through the Ugi Reaction and Cesium-Carbonate-Promoted Cascades. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11672-11676.	13.8	25
325	Discovery of a Potent Allosteric Kinase Modulator by Combining Computational and Synthetic Methods. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13933-13936.	13.8	22
326	Facile One-Pot Synthesis of Oxo-Xanthenes under Microwave Irradiation. <i>Current Microwave Chemistry</i> , 2015, 2, 15-23.	0.8	8
327	Two Neglected Multicomponent Reactions: Asinger and Groebke Reaction for Constructing Thiazolines and Imidazolines. <i>Current Organic Synthesis</i> , 2015, 12, 20-60.	1.3	24
328	Recent advances in the discovery and design of multicomponent reactions for the generation of small-molecule libraries. <i>Reports in Organic Chemistry</i> , 0, , 75.	1.0	28
329	General approach to a spiro indole-3,1'-naphthalene tetracyclic system: stereoselective pseudo four-component reaction of isatins and cyclic ketones with two molecules of malononitrile. <i>RSC Advances</i> , 2015, 5, 50421-50424.	3.6	22
330	Stereocontrolled Formation of Several Carbon-Carbon Bonds in Acyclic Systems. <i>Chemical Reviews</i> , 2015, 115, 9175-9206.	47.7	119
331	A three-component reaction for rapid access to underexplored 1,3-thiazine-2-thiones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7223-7229.	2.8	16
332	The Biginelli reaction under batch and continuous flow conditions: catalysis, mechanism and antitumoral activity. <i>RSC Advances</i> , 2015, 5, 48506-48515.	3.6	51
333	Step economical synthesis of o-aryl benzamides via C-H activation relayed by the in situ installation of directing group: a multicomponent method. <i>RSC Advances</i> , 2015, 5, 46192-46196.	3.6	22
334	The Biginelli Reaction Is a Urea-Catalyzed Organocatalytic Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 6959-6967.	3.2	87
335	General solvent-free ionic liquid catalyzed C-N/C-C coupled cyclization to diverse dihydropyrimidinones and new organic materials: Langmuir-Blodgett film study. <i>RSC Advances</i> , 2015, 5, 24681-24686.	3.6	14
336	A catalyst-free, efficient green MCR protocol for access to functionalized 1 ³ -carbolines in water. <i>RSC Advances</i> , 2015, 5, 52497-52507.	3.6	25
337	2,3,4,9-Tetrahydro-9-(3-hydroxy-1,4-dioxo-1H-dihydro-naphthalen-2-yl)-8-methoxy-3,3-dimethyl-1H-xanthen-1-one. <i>MolBank</i> , 2015, 2015, M841.	0.5	5
338	InBr ₃ catalyzed tandem construction of C-C, C-O and C-N bonds: a concise, convenient and atom-economical strategy for the synthesis of spiro oxazolidine oxindole derivatives. <i>Tetrahedron Letters</i> , 2015, 56, 4367-4370.	1.4	11
339	Microwave-Assisted Copper-Catalyzed Four-Component Tandem Synthesis of 3-Substituted-Sulfonylamidine Coumarins. <i>Journal of Organic Chemistry</i> , 2015, 80, 6291-6299.	3.2	40
340	Efficient synthesis of chromonylpyrano[c]coumarin, chromonylbenzo[b]pyran, and pyrano[d]pyrimidine in aqueous media. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1859-1865.	2.2	5

#	ARTICLE	IF	CITATIONS
341	An efficient protocol for the one-pot multicomponent synthesis of polysubstituted pyridines by using a biopolymer-based magnetic nanocomposite. <i>Comptes Rendus Chimie</i> , 2015, 18, 1307-1312.	0.5	15
343	Synthesis of functionalized pyrazolopyran derivatives: comparison of two-step vs. one-step vs. microwave-assisted protocol and X-ray crystallographic analysis of 6-amino-1,4-dihydro-3-methyl-4-phenylpyrano[2,3-c]pyrazole-5-carbonitrile. <i>Bulletin of Materials Science</i> , 2015, 38, 1119-1127.	1.7	5
344	Domino [3+2+1] Heteroannulation for Stereoselective Synthesis of Anti-Pyrazolo[3,4-d][1,3]oxazines. <i>Heterocycles</i> , 2015, 91, 815.	0.7	2
345	Mg ²⁺ /V/CO ₃ hydrotalcite: an efficient and reusable catalyst for one-pot synthesis of multisubstituted pyridines. <i>Research on Chemical Intermediates</i> , 2015, 41, 8269-8278.	2.7	19
346	[TBA][Gly] ionic liquid promoted multi-component synthesis of 3-substituted indoles and indolyl-4H-chromenes. <i>Tetrahedron Letters</i> , 2015, 56, 1790-1793.	1.4	48
347	Potentially biocompatible polyacrylamides derived by the Ugi four-component reaction. <i>European Polymer Journal</i> , 2015, 65, 313-324.	5.4	17
348	One-pot synthesis of hydrazono-sulfonamide adducts using Cu(BTC) MOF catalyst and their remarkable AIEE properties: unprecedented copper(II)-catalyzed generation of ketenimine. <i>RSC Advances</i> , 2015, 5, 20003-20010.	3.6	18
349	Fast synthesis of pyrano[2,3-c]pyrazoles: strong effect of Brønsted and Lewis acidic ionic liquids. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 987-991.	2.2	13
350	Cobalt-Catalyzed Intermolecular Oxidative Isocyanide Insertion with Two Amines: An Approach to Guanidines. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 823-828.	4.3	44
351	Synthetic Approaches to Small- and Medium-Size Aza-Heterocycles in Aqueous Media. , 2015, , 163-184.		2
352	NIS/CHP-mediated reaction of isocyanides with hydrazones: access to aminopyrazoles. <i>Organic Chemistry Frontiers</i> , 2015, 2, 259-264.	4.5	27
353	Metal-free multicomponent coupling reaction of aliphatic amines, formaldehyde, organoboronic acids, and propiolic acids for the synthesis of diverse propargylamines. <i>Tetrahedron Letters</i> , 2015, 56, 903-906.	1.4	26
354	Multicomponent Polymerization System Combining Hantzsch Reaction and Reversible Addition-Fragmentation Chain Transfer to Efficiently Synthesize Well-Defined Poly(1,4-dihydropyridine)s. <i>ACS Macro Letters</i> , 2015, 4, 128-132.	4.8	50
355	An efficient synthesis of [1,3]dioxolo[4,5-g]thieno[3,4-b]quinolin-8(5H)-ones as novel thiazapodophyllotoxin analogues with potential anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1417-1419.	2.2	4
356	Metal Free Formation of Various 3-Iodo-1H-pyrrolo[3,2-b:4,5]imidazo-[1,2-a]pyridines and [1,2-b]Pyridazines and Their Further Functionalization. <i>Journal of Organic Chemistry</i> , 2015, 80, 6564-6573.	3.2	44
357	Efficient Syntheses of Star-Branched, Multifunctional Mesogens. <i>Organic Letters</i> , 2015, 17, 3244-3247.	4.6	5
358	Exploiting the Electrophilic and Nucleophilic Dual Role of Nitrile Imines: One-Pot, Three-Component Synthesis of Furo[2,3-d]pyridazin-4(5H)-ones. <i>Organic Letters</i> , 2015, 17, 3964-3967.	4.6	22
359	A facile approach to catechol containing UV dismantlable adhesives. <i>Polymer</i> , 2015, 68, 270-278.	3.8	37

#	ARTICLE	IF	CITATIONS
360	Leuckartâ€™Wallach Route Toward Isocyanides and Some Applications. ACS Combinatorial Science, 2015, 17, 493-499.	3.8	28
361	Diversity oriented synthesis of tri-substituted methane containing aminouracil and hydroxynaphthoquinone/hydroxycoumarin moiety using organocatalysed multicomponent reactions in aqueous medium. RSC Advances, 2015, 5, 66833-66839.	3.6	26
362	Convenient and efficient synthesis of disubstituted piperazine derivatives by catalyst-free, atom-economical and tricomponent domino reactions. RSC Advances, 2015, 5, 10768-10772.	3.6	11
364	Multicomponent Coupling Reaction Using Arynes: Synthesis of Xanthene Derivatives. Journal of Organic Chemistry, 2015, 80, 8464-8469.	3.2	37
365	An efficient green synthesis of dispirohydroquinolines via a diastereoselective one-pot eight-component reaction. Chinese Journal of Catalysis, 2015, 36, 1023-1028.	14.0	14
366	Novel Grinding Synthesis of Pyranopyrazole Analogues and Their Evaluation as Antimicrobial Agents. Heterocycles, 2015, 91, 1615.	0.7	3
367	Efficient Construction of Azaspiro[4.5]trienone Libraries via Tandem Ugi 4CC/Electrophilic ipso-Iodocyclization in One-Pot. ACS Combinatorial Science, 2015, 17, 474-481.	3.8	40
368	Efficient synthesis of lower rim \pm -hydrazino tetrazolocalix[4]arenes via an Ugi-azide multicomponent reaction. New Journal of Chemistry, 2015, 39, 6578-6584.	2.8	16
369	Synthesis of 2-triazolyl-imidazo[1,2-a]pyridine through a one-pot three-component reaction using a nano copper oxide assisted click-catalyst. RSC Advances, 2015, 5, 61337-61344.	3.6	14
370	New Convenient Strategy for Annulation of Pyrimidines to Thiophenes or Furans via the One-pot Multistep Cascade Reaction of 1-H-Tetrazoles with Aliphatic Amines. ACS Combinatorial Science, 2015, 17, 399-403.	3.8	18
371	One-pot synthesis of spiropyrrroloquinoline-isoindolinone and their aza-analogs via the Ugi-4CR/metal-free intramolecular bis-annulation process. Organic and Biomolecular Chemistry, 2015, 13, 8211-8220.	2.8	39
372	Telescoped Synthesis of 2-Acyl-1-aryl-1,2-dihydroisoquinolines and Their Inhibition of the Transcription Factor NF- κ B. ACS Combinatorial Science, 2015, 17, 442-451.	3.8	16
373	Efficient and stereoselective synthesis of \pm -hydrazino tetrazoles through a pseudo five-component domino reaction. Tetrahedron, 2015, 71, 6790-6795.	1.9	17
374	Synthesis of Passerini adducts from aldehydes and isocyanides under the auxiliary of water. Organic Chemistry Frontiers, 2015, 2, 1326-1333.	4.5	11
375	Enantioselective nickel-catalyzed alkylative alkyneâ€™aldehyde cross-couplings. Organic Chemistry Frontiers, 2015, 2, 1322-1325.	4.5	42
376	An effective Biginelli-type synthesis of 1-methoxy-3,4-dihydropyrimidin-2(1H)-ones. Tetrahedron Letters, 2015, 56, 4666-4669.	1.4	10
377	One-pot three-component synthesis of 1,2,3-triazoles using magnetic NiFe ₂ O ₄ â€™glutamateâ€™Cu as an efficient heterogeneous catalyst in water. RSC Advances, 2015, 5, 59167-59185.	3.6	49
378	Lewis acid promoted three-component reactions of aziridines, arenes and aldehydes: an efficient and diastereoselective synthesis of cis-1,4-disubstituted tetrahydroisoquinolines. Tetrahedron, 2015, 71, 6290-6299.	1.9	26

#	ARTICLE	IF	CITATIONS
379	Efficient Isocyanide-less Isocyanide-Based Multicomponent Reactions. <i>Organic Letters</i> , 2015, 17, 2002-2005.	4.6	63
380	Metal-free domino one-pot protocols for quinoline synthesis. <i>RSC Advances</i> , 2015, 5, 42020-42053.	3.6	140
381	Easy access to (2-imidazolin-4-yl)phosphonates by a microwave assisted multicomponent reaction. <i>Tetrahedron</i> , 2015, 71, 2872-2881.	1.9	19
383	Copper-triggered three-component reaction of CF ₃ CHN ₂ , nitriles, and aldehydes: highly diastereoselective synthesis of CF ₃ -substituted oxazolines and vicinal amino alcohols. <i>Chemical Communications</i> , 2015, 51, 8946-8949.	4.1	65
384	One-pot three-component reaction for efficient and facile synthesis of β -nitrocarbonyl compounds under solvent-free conditions. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 208-211.	2.6	5
385	Highly efficient regioselective synthesis of pyrroles via a tandem enamine formation–Michael addition–cyclization sequence under catalyst- and solvent-free conditions. <i>Green Chemistry</i> , 2015, 17, 3415-3423.	9.0	36
386	Mn doped ZrO ₂ as a green, efficient and reusable heterogeneous catalyst for the multicomponent synthesis of pyrano[2,3-d]-pyrimidine derivatives. <i>RSC Advances</i> , 2015, 5, 37360-37366.	3.6	74
389	A mild and facile synthesis of polyfunctionalized pyridines: merging three-component cyclization and aerobic oxidation by amine/metal catalysts. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6278-6285.	2.8	15
390	AlCl ₃ -catalyzed O-alkylative Passerini reaction of isocyanides, cinnamaldehydes and various aliphatic alcohols for accessing α -alkoxy- β -enamides. <i>Organic Chemistry Frontiers</i> , 2015, 2, 815-818.	4.5	6
391	The Literature of Heterocyclic Chemistry, Part XIII, 2012–2013. <i>Advances in Heterocyclic Chemistry</i> , 2015, 116, 193-363.	1.7	12
392	Atypical Antipsychotics and Relapsing Psychoses in 22q11.2 Deletion Syndrome: A Long-term Evaluation of 28 Patients. <i>Pharmacopsychiatry</i> , 2015, 48, 104-110.	3.3	21
393	Multifunctional Poly(<i>N</i> -sulfonylamidine)s Constructed by Cu-Catalyzed Three-Component Polycouplings of Diynes, Disulfonyl Azide, and Amino Esters. <i>Macromolecules</i> , 2015, 48, 3180-3189.	4.8	42
395	Dual side chain control in the synthesis of novel sequence-defined oligomers through the Ugi four-component reaction. <i>Polymer Chemistry</i> , 2015, 6, 3201-3204.	3.9	85
396	An efficient protocol for multicomponent synthesis of functionalized chromeno[4,3-b]pyrrol-4(1H)-one derivatives. <i>Tetrahedron Letters</i> , 2015, 56, 2476-2479.	1.4	26
397	Yb(OTf) ₃ catalysed regioselective synthesis of unusual di- and tri- substituted 3,4-dihydrothiochromeno[3,2-e][1,3]thiazin-5(2H)-one derivatives through a pseudo four-component hetero-Diels–Alder reaction. <i>RSC Advances</i> , 2015, 5, 48104-48111.	3.6	8
398	Refining the chemical toolbox to be fit for educational and practical purpose for drug discovery in the 21st Century. <i>Drug Discovery Today</i> , 2015, 20, 1018-1026.	6.4	23
400	Highly Stereoselective Synthesis of Natural–Product–Like Hybrids by an Organocatalytic/Multicomponent Reaction Sequence. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7621-7625.	13.8	48
401	One-pot sonochemical synthesis of ferrocenyl derivatives via a three-component reaction in aqueous media. <i>Ultrasonics Sonochemistry</i> , 2015, 27, 30-36.	8.2	13

#	ARTICLE	IF	CITATIONS
402	Multicomponent Cascade Reactions of Unprotected Carbohydrates and Amino Acids. <i>Organic Letters</i> , 2015, 17, 2606-2609.	4.6	35
403	Click chemistry inspired synthesis of piperazine-triazole derivatives and evaluation of their antimicrobial activities. <i>Medicinal Chemistry Research</i> , 2015, 24, 3117-3126.	2.4	16
404	Divergent synthesis of chiral heterocycles via sequencing of enantioselective three-component reactions and one-pot subsequent cyclization reactions. <i>Chemical Communications</i> , 2015, 51, 10612-10615.	4.1	37
405	An efficient click-multicomponent strategy for the diversity oriented synthesis of 15-18 membered macrocyclic peptidomimetic fluorophores. <i>Tetrahedron Letters</i> , 2015, 56, 2451-2455.	1.4	6
406	Graphene oxide-chitosan bionanocomposite: a highly efficient nanocatalyst for the one-pot three-component synthesis of trisubstituted imidazoles under solvent-free conditions. <i>RSC Advances</i> , 2015, 5, 33177-33184.	3.6	123
407	A Sequential Ugi Multicomponent/Cu-Catalyzed Azide-Alkyne Cycloaddition Approach for the Continuous Flow Generation of Cyclic Peptoids. <i>Journal of Organic Chemistry</i> , 2015, 80, 4590-4602.	3.2	62
408	An improved one-pot multicomponent strategy for the preparation of thiazoline, thiazolidinone and thiazolidinol scaffolds. <i>RSC Advances</i> , 2015, 5, 88063-88069.	3.6	19
409	Acid/base-controlled chemodivergent synthesis of two differently functionalized tetrahydroimidazo[1,2-a]pyridines. <i>RSC Advances</i> , 2015, 5, 70429-70432.	3.6	8
410	Copper-mediated aerobic oxidative synthesis of benzimidazo fused quinazolines via a multicomponent approach. <i>RSC Advances</i> , 2015, 5, 85915-85918.	3.6	13
411	Multicomponent synthesis of novel coelenterazine derivatives substituted at the C-3 position. <i>Tetrahedron</i> , 2015, 71, 8781-8785.	1.9	9
412	Endosomal-Escape Polymers Based on Multicomponent Reaction-Synthesized Monomers Integrating Alkyl and Imidazolyl Moieties for Efficient Gene Delivery. <i>ACS Macro Letters</i> , 2015, 4, 1123-1127.	4.8	27
413	Expedition synthesis of functionalized tricyclic 4-spiro pyrano[2,3-c]pyrazoles in aqueous medium using dodecylbenzenesulphonic acid as a Brønsted acid-surfactant-combined catalyst. <i>New Journal of Chemistry</i> , 2015, 39, 9480-9486.	2.8	16
414	A concise and simple click reaction catalyzed by immobilized Cu(I) in an ionic liquid leading to the synthesis of 1 ² -hydroxy triazoles. <i>Comptes Rendus Chimie</i> , 2015, 18, 1257-1263.	0.5	12
415	Multicomponent Synthesis of Functionalized Tetrahydroacridinones: Insights into a Mechanistic Route. <i>Organic Letters</i> , 2015, 17, 5368-5371.	4.6	23
416	Phosphoric Acid-Catalyzed Asymmetric Classic Passerini Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 14039-14042.	13.7	74
417	In situ generation and protonation of the isocyanide/acetylene adduct: a powerful catalyst-free strategy for multicomponent synthesis of ketenimines, aza-dienes, and heterocycles. <i>RSC Advances</i> , 2015, 5, 97044-97065.	3.6	63
418	An efficient green protocol for the preparation of acetoacetamides and application of the methodology to a one-pot synthesis of Biginelli dihydropyrimidines. Expansion of dihydropyrimidine topological chemical space. <i>RSC Advances</i> , 2015, 5, 70915-70928.	3.6	13
419	Efficient Synthesis of 3-Pyrrolin-2-one Derivatives in Aqueous Media. <i>Synthetic Communications</i> , 2015, 45, 2115-2121.	2.1	11

#	ARTICLE	IF	CITATIONS
420	Multicomponent assembly of 4-aza-podophyllotoxins: A fast entry to highly selective and potent anti-leukemic agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 106, 167-179.	5.5	19
421	Calcium-Catalyzed Dynamic Multicomponent Reaction. <i>Organic Letters</i> , 2015, 17, 5080-5083.	4.6	29
422	Multicomponent Cascade Reactions of Unprotected Ketoses and Amino Acids – Access to a Defined Configured Quaternary Stereogenic Center. <i>Journal of Organic Chemistry</i> , 2015, 80, 10849-10865.	3.2	6
423	Stereoselective synthesis of functionalized 1,2,3,4-tetrahydroisoquinolines (THIQs) via highly diastereoselective Ugi three-component reactions (U3CRs) with chiral 3,4-dihydroisoquinolines (DHIQs). <i>RSC Advances</i> , 2015, 5, 73373-73380.	3.6	10
424	Sustainable and Versatile CuO/GNS Nanocatalyst for Highly Efficient Base Free Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2478-2488.	6.7	57
425	Facile microwave-assisted synthesis of 1H-pyrazino[1,2-a]quinoxaline-1,5(6H)-dione derivatives via a nucleophilic substitution reaction. <i>Science China Chemistry</i> , 2015, 58, 1239-1242.	8.2	5
426	Focusing on shared subpockets – new developments in fragment-based drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 1179-1187.	5.0	4
427	(Z)-Stereoselective Synthesis of Mono- and Bis-heterocyclic Benzimidazol-2-ones via Cascade Processes Coupled with the Ugi Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 9007-9015.	3.2	26
428	Poly(N-bromo-N-ethyl-benzene-1,3-disulfonamide) and N,N,N',N'-tetrabromobenzene-1,3-disulfonamide as new efficient reagents for one-pot synthesis of furano and pyrano pyrimidinones (thiones). <i>RSC Advances</i> , 2015, 5, 74336-74341.	3.6	15
429	C3 functionalization of indolizines via In(III)-catalyzed three-component reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10986-10994.	2.8	30
430	Synthetic pregnenolone derivatives as antiviral agents against acyclovir-resistant isolates of Herpes Simplex Virus Type 1. <i>Antiviral Research</i> , 2015, 122, 55-63.	4.1	10
431	IBX-mediated oxidation of unactivated cyclic amines: application in highly diastereoselective oxidative Ugi-type and aza-Friedel-Crafts reactions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10108-10112.	2.8	39
432	Metal free, I ₂ -catalyzed [3+1+1] cycloaddition reactions to synthesize 1,2,4-trisubstituted imidazoles. <i>Tetrahedron Letters</i> , 2015, 56, 5982-5985.	1.4	15
433	Multicomponent reactions as versatile tool: development of a mild approach to 1,3-benzothiazine-2-thiones. <i>Tetrahedron</i> , 2015, 71, 8290-8301.	1.9	20
434	Synthesis and characterization of poly(2,6-dimethyl-4-phenyl-1,4-dihydropyridinyl)arenes as novel multi-armed molecules. <i>Tetrahedron Letters</i> , 2015, 56, 7085-7088.	1.4	37
435	Diversity-oriented reconstruction of primitive diketopiperazine-fused tetrahydro- β -carboline ring systems via Pictet-Spengler/Ugi-4CR/deprotection-cyclization reactions. <i>RSC Advances</i> , 2015, 5, 102713-102722.	3.6	11
436	Synthesis of various heterocyclic compounds via multi-component reactions in water. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 993-1036.	2.2	27
437	Copper-catalyzed three-component reactions of phenols, acyl chlorides and Wittig reagents for the synthesis of β -aryloxyl acrylates. <i>New Journal of Chemistry</i> , 2015, 39, 1567-1569.	2.8	11

#	ARTICLE	IF	CITATIONS
438	Multicomponent Strategy to Indeno[2,1- <i>c</i>]pyridine and Hydroisoquinoline Derivatives through Cleavage of Carbon–Carbon Bond. <i>Journal of Organic Chemistry</i> , 2015, 80, 1025-1033.	3.2	22
439	MCR synthesis of a tetracyclic tetrazole scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2699-2715.	3.0	26
440	Novel Tacrine–Grafted Ugi Adducts as Multipotent Anti-Alzheimer Drugs: A Synthetic Renewal in Tacrine–Ferulic Acid Hybrids. <i>ChemMedChem</i> , 2015, 10, 523-539.	3.2	62
441	ZnCl ₂ –Promoted One-Pot Three-Component Synthesis of Multisubstituted Thiazolo[4,5- <i>b</i>]pyridines and Thieno[2,3- <i>b</i> :4,5- <i>b'</i>]dipyridines. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 631-637.	2.4	17
442	Synthesis of Heterocycles by Formal Cycloadditions of Isocyanides. <i>Chemistry - an Asian Journal</i> , 2015, 10, 508-520.	3.3	49
443	An efficient one-pot two-step three-component process for the synthesis of perfluoroalkylated biphenyls. <i>Tetrahedron</i> , 2015, 71, 820-825.	1.9	9
444	Highly selective synthesis of functionalized polyhydroisoquinoline derivatives via a three-component domino reaction. <i>Chemical Communications</i> , 2015, 51, 1528-1531.	4.1	22
445	A novel multicomponent reaction and its application in sequence-ordered functional polymer synthesis. <i>Polymer</i> , 2015, 64, 221-226.	3.8	22
446	Î ² -Ketothioamides: efficient reagents in the synthesis of heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1942-1953.	2.8	50
447	Organocatalytic multicomponent synthesis of enantioenriched polycyclic 1,2,3,4-tetrahydropyridines: key substrate selection enabling regio- and stereoselectivities. <i>Chemical Communications</i> , 2015, 51, 1980-1982.	4.1	17
448	A detailed investigation of the multicomponent reaction of salicylaldehyde, ethyl acetoacetate and isocyanides under microwave heating. <i>Tetrahedron</i> , 2015, 71, 7159-7169.	1.9	11
449	Synthesis of pyrazole-4-carbonitrile derivatives in aqueous media with CuO/ZrO ₂ as recyclable catalyst. <i>Catalysis Communications</i> , 2015, 61, 26-30.	3.3	77
450	A highly efficient approach to unnatural amino-acids containing 3-hydroxyoxindole skeleton via a one-pot, three-component procedure. <i>Tetrahedron Letters</i> , 2015, 56, 586-589.	1.4	4
451	One-pot, three component tandem reaction of 2-aminopyridines, acetophenones and aldehydes: synthesis of 3-arylimidazo[1,2- <i>a</i>]pyridines. <i>RSC Advances</i> , 2015, 5, 3670-3677.	3.6	30
452	Cu(<i>scp</i>)-catalyzed microwave-assisted synthesis of 1,2,3-triazole linked with 4-thiazolidinones: a one-pot sequential approach. <i>RSC Advances</i> , 2015, 5, 1628-1639.	3.6	10
453	[4+2] Heterocyclization for Efficient Formation of Substituted Quinoxalines through Carbon–Oxygen Bonds Cleavage. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 719-725.	2.6	3
454	Potassium phthalimide: an efficient and simple organocatalyst for the one-pot synthesis of dihydropyrano[3,2- <i>c</i>]chromenes in aqueous media. <i>Research on Chemical Intermediates</i> , 2015, 41, 4031-4046.	2.7	37
455	Novel One-Pot Three-Component Reaction for the Synthesis of Functionalized Spiroquinazolinones. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1559-1564.	2.6	20

#	ARTICLE	IF	CITATIONS
456	Multicomponent isocyanide-based synthesis of reactive styrenic and (meth)acrylic monomers and their RAFT (co)polymerization. <i>Polymer Chemistry</i> , 2015, 6, 44-54.	3.9	18
457	Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One-Pot Reaction Using CuO Nanoparticles in Water. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1669-1676.	2.6	9
458	A strategic approach to the synthesis of functionalized spirooxindole pyrrolidine derivatives: in vitro antibacterial, antifungal, antimalarial and antitubercular studies. <i>New Journal of Chemistry</i> , 2015, 39, 520-528.	2.8	98
459	Synthesis of imidazo[1,2-a]pyridin-chromones by a MW assisted Groebke-Bienaymé process. <i>Tetrahedron Letters</i> , 2015, 56, 155-158.	1.4	38
460	Efficient tandem synthesis of a variety of pyran-annulated heterocycles, 3,4-disubstituted isoxazol-5(4H)-ones, and 1,2-unsaturated nitriles catalyzed by potassium hydrogen phthalate in water. <i>Research on Chemical Intermediates</i> , 2015, 41, 7847-7882.	2.7	80
461	Synthesis of functionalized 2-salicyloylfurans, furo[3,2-b]chromen-9-ones and 2-benzoyl-8H-thieno[2,3-b]indoles by one-pot cyclizations of 3-halochromones with 1,2-ketoamides and 1,3-dihydroindole-2-thiones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 729-750.	2.8	26
462	Catalyst-free one-pot four-component domino reactions in water—PEG-400: highly efficient and convergent approach to thiazoloquinoline scaffolds. <i>Green Chemistry</i> , 2015, 17, 950-958.	9.0	55
463	A Multicomponent, Catalyst-free, One-Pot Synthesis of Functionalized 1,4-Dihydroquinolines and Their Antimicrobial Studies. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1302-1307.	2.6	14
464	Highly selective base-catalyzed ring closing Ugi-adducts from the reaction of 2-formylindole, 2-bromoacetic acid, amines and isocyanides. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 389-396.	2.2	10
465	Bismuth triflate, Bi(OTf) ₃ , as an efficient and reusable catalyst for synthesis of dihydropyrano[3,2-b]chromenediones. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 573-580.	2.2	15
466	Three-component domino [3+2] heterocyclization leading to pyran-3-yl-substituted fused pyrroles. <i>Research on Chemical Intermediates</i> , 2015, 41, 2879-2889.	2.7	5
467	A new paradigm for designing ring construction strategies for green organic synthesis: implications for the discovery of multicomponent reactions to build molecules containing a single ring. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2420-2442.	2.2	4
468	Stereoselective synthesis of fused tetrahydroquinazolines through one-pot double [3 + 2] dipolar cycloadditions followed by [5 + 1] annulation. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2204-2210.	2.2	21
469	Ligand Synthesis Catalyst and Complex Metal Ion: Multicomponent Synthesis of 1,3-Bis(4-phenyl-[1,2,3]triazol-1-yl)-propan-2-ol Copper(I) Complex and Application in Copper-Catalyzed Alkyne-Azide Cycloaddition. <i>Journal of Chemistry</i> , 2016, 2016, 1-7.	1.9	3
470	Isocyanide-Based Multicomponent Reactions for the Synthesis of Heterocycles. <i>Molecules</i> , 2016, 21, 19.	3.8	112
471	5-(5-Bromo-2-hydroxy-3-methoxyphenyl)-7-methyl-4,5,6,7-tetrahydro[1,2,4]triazolo[1,5-a]pyrimidin-7-ol. <i>MolBank</i> , 2016, 2016, M898.	0.5	7
472	Multicomponent Synthesis and Evaluation of New 1,2,3-Triazole Derivatives of Dihydropyrimidinones as Acidic Corrosion Inhibitors for Steel. <i>Molecules</i> , 2016, 21, 250.	3.8	40
473	One-pot synthesis of tetracyclic fused imidazo[1,2-a]pyridines via a three-component reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1487-1492.	2.2	13

#	ARTICLE	IF	CITATIONS
474	Ionic Liquid in Multicomponent Reactions: A Brief Review. <i>Current Green Chemistry</i> , 2016, 3, 120-132.	1.1	18
475	A green chemoselective one-pot protocol for expeditious synthesis of symmetric pyranodipyrimidine derivatives using $\text{ZrOCl}_2 \cdot 8\text{H}_2\text{O}$. <i>Current Chemistry Letters</i> , 2016, , 145-154.	1.6	19
476	Four-Component Reaction for Efficient Construction of Spiro[acenaphthylene-1,2'-quinoline] skeleton. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 583-587.	2.6	1
477	Base-Catalyzed One-Pot Synthesis of Unsymmetrical Fluorenes from Aromatic <i>ortho</i> -Dialdehydes and 1,3-Dicarbonyl Compounds. <i>ChemCatChem</i> , 2016, 8, 1051-1054.	3.7	2
478	Selective Synthesis of New Tetracyclic Coumarin-fused Pyrazolo[3,4- <i>b</i>]pyridines and Pyrazolo[3,4- <i>a</i>]pyridin-6(7 <i>H</i>)-ones. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1617-1625.	2.6	14
479	Basic Ionic Liquid Promoted Domino Knoevenagel-Thia-Michael Reaction: An Efficient and Multicomponent Strategy for Synthesis of 1,3-Thiazines. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1284-1291.	2.6	4
480	Regioselectively Synthesis of Thiazolo[4,5- <i>a</i>]acridines and Oxazolo[5,4- <i>a</i>]thiazolo[5,4- <i>j</i>]acridines via Multicomponent Domino Reactions. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1046-1053.	2.6	4
481	Efficient Synthesis of a Series of Novel Octahydroquinazoline-5-ones via a Simple on-Water Urea-Catalyzed Chemoselective Five-Component Reaction. <i>ACS Combinatorial Science</i> , 2016, 18, 475-481.	3.8	24
482	Facile access to β -acyloxyamides via epoxide rearrangement/three-component domino reaction catalyzed by indium(III) chloride. <i>Synthetic Communications</i> , 2016, 46, 1275-1282.	2.1	10
483	Asymmetric, Three-Component, One-Pot Synthesis of Spiropyrazolones and 2,5-Chromenediones from Aldol Condensation/NHC-Catalyzed Annulation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 5123-5127.	3.3	59
484	Convergent Three-Component Tetrazole Synthesis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2383-2387.	2.4	36
485	Design, synthesis, characterization and catalytic performance of a new cellulose-based magnetic nanocomposite in the one-pot three-component synthesis of β -aminonitriles. <i>Applied Organometallic Chemistry</i> , 2016, 30, 382-386.	3.5	97
486	Deep eutectic solvent as a highly efficient reaction media for the one-pot synthesis of benzo-fused seven-membered heterocycles. <i>Tetrahedron Letters</i> , 2016, 57, 3727-3730.	1.4	39
487	Four-Component Reaction for the Synthesis of Dithiocarbamates Starting from Cyclic Imines. <i>ACS Combinatorial Science</i> , 2016, 18, 456-460.	3.8	15
488	Selective reaction route in the construction of the pyrrolo[3,4- <i>b</i>]pyridin-5-one core from a variety of 5-aminooxazoles and maleic anhydride. A DFT study. <i>Tetrahedron Letters</i> , 2016, 57, 3496-3500.	1.4	12
489	Solvent-Free Pot-, Atom- and Step-Economic Synthesis of Novel Benzo[<i>d</i>]thiazole[1,3]-thiazine Hybrids in a One-Pot Reaction. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 763-769.	2.7	12
490	Facile synthesis of tetrahydrobenzoxanthrenones via a one-pot three-component reaction using an eco-friendly and magnetized biopolymer chitosan-based heterogeneous nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2016, 30, 939-942.	3.5	109
491	Gd-TEMDO: Design, Synthesis, and MRI Application. <i>Chemistry - A European Journal</i> , 2016, 22, 7352-7356.	3.3	10

#	ARTICLE	IF	CITATIONS
492	Zinc-Catalyzed Multicomponent Reactions: Easy Access to Furfuryl-Substituted Cyclopropane and 1,2-Dioxolane Derivatives. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2681-2687.	2.4	25
493	Synthesis of Pseudo-Peptides Containing a Quinazolinone Skeleton via Ugi-Four-Component Reaction. <i>Helvetica Chimica Acta</i> , 2016, 99, 138-142.	1.6	12
494	Unconventional Passerini Reaction toward α -Aminoxy-amides. <i>Organic Letters</i> , 2016, 18, 6396-6399.	4.6	26
495	4-Trifluoromethyl-p-quinols as dielectrophiles: three-component, double nucleophilic addition/aromatization reactions. <i>Scientific Reports</i> , 2016, 6, 26957.	3.3	8
496	Recent Advances in Green Synthesis of 3,3'-Spirooxindoles via Isatin-based One-pot Multicomponent Cascade Reactions in Aqueous Medium. <i>ChemistrySelect</i> , 2016, 1, 6948-6960.	1.5	69
497	A Practical and Diastereoselective Synthesis of Dihydrofurocoumarin from Pyridinium Ylides in Aqueous Medium. <i>Journal of Chemical Research</i> , 2016, 40, 698-703.	1.3	3
498	Dihydropyrimidin-2(1H)-one and its analogues as a platform for the design and synthesis of new biologically active compounds. <i>Russian Chemical Reviews</i> , 2016, 85, 1056-1096.	6.5	7
499	Reaction of α -tetralone, 1H-tetrazol-5-amine, and aromatic aldehydes upon microwave irradiation: a convenient method for the synthesis of 5,6,7,12-tetrahydrobenzo[h]tetrazolo[5,1-b]quinazolines. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 918-922.	1.2	6
500	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	47.7	2,051
501	Visible light promoted synthesis of dihydropyrano[2,3-c]chromenes via a multicomponent-tandem strategy under solvent and catalyst free conditions. <i>Green Chemistry</i> , 2016, 18, 3221-3231.	9.0	54
502	One-pot synthesis and sigma receptor binding studies of novel spirocyclic-2,6-diketopiperazine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2676-2679.	2.2	12
503	Facile one-pot green synthesis of tetrahydrobiphenylene-1,3-dicarbonitriles in aqueous media under ultrasound irradiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 8097-8108.	2.7	15
504	Novel bipyridinyl oxadiazole-based metal coordination complexes: High efficient and green synthesis of 3,4-dihydropyrimidin-2(1H)-ones through the Biginelli reactions. <i>Journal of Solid State Chemistry</i> , 2016, 241, 86-98.	2.9	18
505	Expanding Diversity without Protecting Groups: (+)-Sclareolide to Indolosesquiterpene Alkaloid Mycoleptodiscin A and Analogues. <i>Organic Letters</i> , 2016, 18, 2684-2687.	4.6	12
506	Aerobic Copper-Mediated Domino Three-Component Approach to 2-Aminobenzothiazole Derivatives. <i>Organic Letters</i> , 2016, 18, 2588-2591.	4.6	27
507	Recent applications of barbituric acid in multicomponent reactions. <i>RSC Advances</i> , 2016, 6, 50895-50922.	3.6	78
508	A facile one-pot domino reaction for the stereoselective synthesis of acryl derivatives promoted by Ca(OTf) ₂ . <i>Tetrahedron Letters</i> , 2016, 57, 2034-2038.	1.4	9
509	FeCl ₃ -catalyzed multicomponent synthesis of 8-alkoxycarbonylnaphthyl-functionalized pyrazolo[3,4-b]pyridines involving C-C bond cleavage. <i>Monatshefte für Chemie</i> , 2016, 147, 1597-1603.	1.8	9

#	ARTICLE	IF	CITATIONS
510	Facile synthesis of 3,4-fused tricyclic indoles with a seven-membered ring through a three-component reaction of 4-hydroxyindole, aldehyde, and malonodinitrile or ethyl cyanoacetate. <i>Tetrahedron</i> , 2016, 72, 2170-2177.	1.9	7
511	Microwave-assisted one-pot three-component synthesis of imine 1,2,3-triazoles. <i>Tetrahedron Letters</i> , 2016, 57, 1592-1596.	1.4	18
512	Ligand-controlled product selectivity in palladium-catalyzed domino post-Ugi construction of (spiro)polyheterocycles. <i>Chemical Communications</i> , 2016, 52, 5516-5519.	4.1	38
513	Phosphine-catalyzed domino reactions of alkynyl ketones with sulfonylhydrazones: construction of diverse pyrazoloquinazoline derivatives. <i>RSC Advances</i> , 2016, 6, 24792-24796.	3.6	23
514	Al ₂ O ₃ as reusable heterogeneous catalyst for expedient one-pot synthesis of naphthopyrans. <i>Research on Chemical Intermediates</i> , 2016, 42, 6863-6871.	2.7	13
515	Synthesis and Antimicrobial Evaluations of Novel Spiro Cyclic 2-Oxindole Derivatives of N-(1H-Pyrazol-5-Yl)-Hexahydroquinoline Derivatives. <i>Heterocycles</i> , 2016, 92, 1075.	0.7	20
516	Synthesis of heterocyclic scaffolds through 6-aminouracil-involved multicomponent reactions. <i>RSC Advances</i> , 2016, 6, 38827-38848.	3.6	49
517	Synthesis of Chiral Piperazinones Using Amphoteric Aziridine Aldehyde Dimers and Functionalized Isocyanides. <i>Journal of Organic Chemistry</i> , 2016, 81, 5209-5216.	3.2	15
518	Polyhydroquinolines: 1-sulfo-pyridinium chloride catalyzed an efficient one-pot multicomponent synthesis via Hantzsch condensation under solvent-free conditions. <i>Research on Chemical Intermediates</i> , 2016, 42, 7651-7658.	2.7	15
519	Tuning of Copper-Catalyzed Multicomponent Reactions toward 3-Functionalized Oxindoles. <i>Organic Letters</i> , 2016, 18, 2435-2438.	4.6	31
520	A one-pot three-component synthesis of dithiocarbamates starting from vinyl pyridines and vinyl pyrazine under solvent- and catalyst-free conditions. <i>Tetrahedron</i> , 2016, 72, 3958-3965.	1.9	10
521	Three-Component, Diastereoselective Prins-Ritter Reaction for cis-Fused 4-Amidotetrahydropyrans toward a Precursor for Possible Neuronal Receptor Ligands. <i>ACS Combinatorial Science</i> , 2016, 18, 399-404.	3.8	29
522	Three Component Divergent Reactions: Base-Controlled Amphiphilic Synthesis of Benzimidazole-Linked Thiazetidines and Fused Thiadiazines. <i>Journal of Organic Chemistry</i> , 2016, 81, 8867-8875.	3.2	11
523	Construction of Tropane Derivatives by the Organocatalytic Asymmetric Dearomatization of Isoquinolines. <i>Angewandte Chemie</i> , 2016, 128, 12013-12018.	2.0	19
524	Construction of Tropane Derivatives by the Organocatalytic Asymmetric Dearomatization of Isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11834-11839.	13.8	84
525	Cleavable β -Cyanoethyl Isocyanide in the Ugi Tetrazole Reaction. <i>Organic Letters</i> , 2016, 18, 4762-4765.	4.6	19
526	Applying green processes and techniques to simplify reaction work-ups. <i>Tetrahedron</i> , 2016, 72, 7375-7391.	1.9	29
527	Enzymatic Ugi Reaction with Amines and Cyclic Imines. <i>Chemistry - A European Journal</i> , 2016, 22, 16684-16689.	3.3	21

#	ARTICLE	IF	CITATIONS
528	One-pot synthesis of 2,4,6-triarylpyridines from 2-nitrostyrenes, substituted salicylic aldehydes and ammonium acetate. RSC Advances, 2016, 6, 95957-95964.	3.6	19
529	A new multicomponent reaction for direct synthesis of primary 3-nitroamides. RSC Advances, 2016, 6, 98427-98433.	3.6	3
530	Nonclassical Routes for Amide Bond Formation. Chemical Reviews, 2016, 116, 12029-12122.	47.7	679
531	Revisiting the three component synthesis of isoxazolo[5,4-b]pyridines, 4-aryl-3,7,7-trimethyl-isoxazolo[5,4-b]quinolin-5(6H)-ones and related heterocycles. Polyhedron, 2016, 120, 175-179.	2.2	6
532	1,4-Addition Ugi Reaction Using Cyclic 1,2-Unsaturated Ketone as Substrate. Organic Letters, 2016, 18, 5038-5041.	4.6	12
533	Synthesis of Highly Substituted Imidazo[1,5-a]quinoxalines Through a Multicomponent Reaction Followed by Deprotection-Cyclization. Advanced Synthesis and Catalysis, 2016, 358, 2612-2618.	4.3	6
534	Photoinduced Multicomponent Reactions. Angewandte Chemie - International Edition, 2016, 55, 15476-15484.	13.8	174
535	TiCl ₄ -Mediated Preparation of Thiophthalide Derivatives via Formal Thio-Passneri Reactions. Organic Letters, 2016, 18, 4060-4063.	4.6	17
536	Photoinduzierte Mehrkomponentenreaktionen. Angewandte Chemie, 2016, 128, 15702-15711.	2.0	36
537	A new [4 + 1]/[4 + 2]bicyclization strategy for accessing functionalized indeno[1,2-b]pyran-2-ones. RSC Advances, 2016, 6, 74372-74375.	3.6	4
538	A multi-component domino bicyclization strategy: direct access to skeletally diverse quinazoline collection. Tetrahedron, 2016, 72, 5652-5658.	1.9	10
539	A Rapid One-Pot Five Component Sequential Access to Novel Imidazo[2,1-b]thiazinyl-aminophosphonates. ChemistrySelect, 2016, 1, 434-439.	1.5	12
540	An efficient one pot three-component domino reaction for the synthesis of 1,3,4-trisubstituted pyrroles. ChemistrySelect, 2016, 1, 675-679.	1.5	7
541	Multicomponent Click Polymerization: A Facile Strategy toward Fused Heterocyclic Polymers. Macromolecules, 2016, 49, 5475-5483.	4.8	60
542	Metal-Free, Multicomponent Synthesis of Pyrrole-Based π -Conjugated Polymers from Imines, Acid Chlorides, and Alkynes. Journal of the American Chemical Society, 2016, 138, 10516-10521.	13.7	67
543	A Four-Component Domino Reaction: An Eco-Compatible Access to Diversified Imidazo[2,1-b][1,3]thiazin-5-ones. Asian Journal of Organic Chemistry, 2016, 5, 91-97.	2.7	16
544	Synthesis of 3-Substituted 2-Indol-1-ones by a Multicomponent Coupling Isocyanide-Dependent Microwave-Assisted Intramolecular Transamidation Process. European Journal of Organic Chemistry, 2016, 2016, 196-209.	2.4	8
545	Effect of Molecular Structure on Stability of Organic Nanoparticles Formed by Bodipy Dimers. Langmuir, 2016, 32, 9575-9581.	3.5	17

#	ARTICLE	IF	CITATIONS
546	Cascade bicyclization of triethylammonium thiolates with hydrazines: efficient access to pyrazolo[3,4-c]quinolines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9080-9087.	2.8	9
547	Four-component, five-centered, one-pot synthesis of 1-(1H-tetrazol-5-yl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 4529-4532.	1.4	11
548	Synthesis of isoindolin-1-one derivatives via multicomponent reactions of methyl 2-formylbenzoate and intramolecular amidation. <i>Molecular Diversity</i> , 2016, 20, 859-865.	3.9	6
549	Assembly of New Heterocycles through an Effective Use of Bisaldehydes by Using a Sequential GBB/Ugi Reaction. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2938-2945.	3.3	21
550	Copper-catalyzed one-pot process to construct triazole-linked urea derivatives. <i>Synthetic Communications</i> , 2016, 46, 1612-1618.	2.1	4
551	Tetranuclear Zn ₂ Ln ₂ coordination clusters as catalysts in the Petasis borono-Mannich multicomponent reaction. <i>RSC Advances</i> , 2016, 6, 79180-79184.	3.6	21
552	Diastereoselective Synthesis of Cyclopenta[<i>c</i>]furans by a Catalytic Multicomponent Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11863-11866.	13.8	40
553	Diastereoselective Synthesis of Cyclopenta[<i>c</i>]furans by a Catalytic Multicomponent Reaction. <i>Angewandte Chemie</i> , 2016, 128, 12042-12045.	2.0	12
554	Catalyst free ethylene glycol promoted synthesis of spiro[indene-2,2'-naphthalene]-4-carbonitriles and spiro[naphthalene-2,5'-pyrimidine]-4-carbonitriles via one-pot three-component reaction. <i>Tetrahedron Letters</i> , 2016, 57, 5852-5855.	1.4	16
555	Biginelli reaction: an overview. <i>Tetrahedron Letters</i> , 2016, 57, 5135-5149.	1.4	184
556	Synthesis of chemically diverse esters of 5-aminolevulinic acid for photodynamic therapy via the multicomponent Passerini reaction. <i>RSC Advances</i> , 2016, 6, 89492-89498.	3.6	5
557	Microwave-Assisted Construction of Pyrrolopyridinone Ring Systems by Using an Ugi/Indole Cyclization Reaction. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5770-5776.	2.4	14
558	Application of Isocyanides as Amide Surrogates in the Synthesis of Diverse Isoindolin-1-one Derivatives by a Palladium-Catalyzed Tandem Carboxamidation/Hydroamidation Reaction. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5579-5587.	2.4	27
559	Practical carbocatalysis by graphene oxide nanosheets in aqueous medium towards the synthesis of diversified dibenzo[1,4]diazepine scaffolds. <i>RSC Advances</i> , 2016, 6, 88904-88910.	3.6	40
560	Potentially antibreast cancer enamidines via azide-alkyne-amine coupling and their molecular docking studies. <i>RSC Advances</i> , 2016, 6, 90597-90606.	3.6	17
561	NMR and DFT Insight into the Synergistic Role of Bovine Serum Albumin-Ionic Liquid for Multicomponent Cascade Aldol/Knoevenagel-thia-Michael/Michael Reactions in One Pot. <i>ChemCatChem</i> , 2016, 8, 3050-3056.	3.7	17
562	Cobalt-based metal coordination polymers with 4,4'-bipyridinyl groups: highly efficient catalysis for one-pot synthesis of 3,4-dihydropyrimidin-2(1 <i>H</i>)-ones under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2016, 30, 1009-1021.	3.5	18
563	Recent developments in transition metal catalysis for quinazolinone synthesis. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8014-8025.	2.8	77

#	ARTICLE	IF	CITATIONS
564	Green chemistry oriented multi-component strategy to hybrid heterocycles. RSC Advances, 2016, 6, 73848-73852.	3.6	23
565	A facile and consecutive approach to trifluoromethylated spirochromeno[2,3-c]-6H-Pyrazol-2(1H)-one derivatives. Journal of Fluorine Chemistry, 2016, 188, 131-138.	1.7	6
566	The indoleacetic acids in IMCRs: a three-component Ugi reaction involving TosMIC. Tetrahedron, 2016, 72, 5149-5156.	1.9	9
567	New efficient synthesis of multisubstituted benzimidazoles and quinoxalin-2(1H)-ones by a Ugi 4CC/aza-Wittig sequence starting from aromatic amine precursors. Tetrahedron, 2016, 72, 5548-5557.	1.9	20
568	Multicomponent synthesis of hydrazino depsipeptides. RSC Advances, 2016, 6, 99664-99675.	3.6	4
569	Palladium-Catalyzed Multicomponent Reaction (MCR) of Propargylic Carbonates with Isocyanides. Organic Letters, 2016, 18, 5924-5927.	4.6	52
570	Toward solid-phase peptide fragment ligation by a traceless-Ugi multicomponent reaction approach. Organic and Biomolecular Chemistry, 2016, 14, 11230-11237.	2.8	9
571	Direct Conversion of Nitriles into Alkene α -Nitriles. Angewandte Chemie - International Edition, 2016, 55, 14770-14773.	13.8	4
572	Base-Promoted [4 + 1]/[3 + 1 + 1] Bicyclization for Accessing Functionalized Indeno[1,2-c]furans. Journal of Organic Chemistry, 2016, 81, 11276-11281.	3.2	22
573	In situ generation of nitrilium from nitrile ylide and the subsequent Mumm rearrangement: copper-catalyzed synthesis of unsymmetrical diacylglycine esters. Organic and Biomolecular Chemistry, 2016, 14, 10723-10732.	2.8	28
574	Bionanostructure-catalyzed one-pot three-component synthesis of 3,4-dihydropyrimidin-2(1H)-one derivatives under solvent-free conditions. Reactive and Functional Polymers, 2016, 109, 120-124.	4.1	53
575	Condensation of imidazole N-oxide with Meldrum's acid and aldehydes: a new method for C2-functionalization of 2-unsubstituted imidazole N-oxides. Tetrahedron Letters, 2016, 57, 5315-5316.	1.4	8
576	Synthesis, biological evaluation and molecular docking studies of some novel indenospino derivatives as anticancer agents. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 105-118.	5.3	25
577	Highly selective organocatalytic three-component reaction of 2-chloroquinoline-3-carbaldehydes, 6-aminouracils, and cyclic methylene active compounds. Tetrahedron Letters, 2016, 57, 5435-5438.	1.4	22
578	Direct Conversion of Nitriles into Alkene α -Nitriles. Angewandte Chemie, 2016, 128, 14990-14993.	2.0	0
579	Design, preparation and characterization of Cu/GA/Fe ₃ O ₄ @SiO ₂ nanoparticles as a catalyst for the synthesis of benzodiazepines and imidazoles. Applied Organometallic Chemistry, 2016, 30, 414-421.	3.5	32
580	1-Amino Acid Isosteric 1-Amino Tetrazoles. Chemistry - A European Journal, 2016, 22, 3009-3018.	3.3	32
581	An Efficient Synthetic Access to Substituted Thiazolylpyrazolylchromene-2-ones from Dehydroacetic Acid and Coumarin Derivatives by a Multicomponent Approach. European Journal of Organic Chemistry, 2016, 2016, 2628-2636.	2.4	19

#	ARTICLE	IF	CITATIONS
582	Three-Component Bicyclization Leading to Densely Functionalized Pyrazolo[3,4-d]thiazolo[3,2-a]pyrimidines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1968-1971.	2.4	8
583	A green organocatalyzed one-pot protocol for efficient synthesis of new substituted pyrimido[4,5-d]pyrimidinones using a Biginelli-like reaction. <i>Research on Chemical Intermediates</i> , 2016, 42, 8185-8200.	2.7	32
584	Redox-Hypersensitive Organic Nanoparticles for Selective Treatment of Cancer Cells. <i>Chemistry of Materials</i> , 2016, 28, 4440-4446.	6.7	101
585	Isocyanide and Meldrum's acid-based multicomponent reactions in diversity-oriented synthesis: from a serendipitous discovery towards valuable synthetic approaches. <i>RSC Advances</i> , 2016, 6, 58142-58159.	3.6	40
586	An efficient Passerini tetrazole reaction (PT-3CR). <i>Green Chemistry</i> , 2016, 18, 3718-3721.	9.0	44
587	Modular synthesis of glycopolymers with well-defined sugar units in the side chain via Ugi reaction and click chemistry: hetero vs. homo. <i>Polymer Chemistry</i> , 2016, 7, 4263-4271.	3.9	32
588	[bmim(SO ₃ H)][OTf]/[bmim][X] and Zn(NTf ₂) ₂ /[bmim][X] (X = PF ₆ and BF ₄); efficient catalytic systems for the synthesis of tetrahydropyrimidin-ones (-thiones) via the Biginelli reaction. <i>Tetrahedron Letters</i> , 2016, 57, 3029-3035.	1.4	28
589	Organic-base-catalyzed diversity-oriented synthesis of novel pyrimido[1,2-b]indazole-3-carbonitrile. <i>Tetrahedron</i> , 2016, 72, 4377-4382.	1.9	21
590	A reaction of 1,2-diamines and aldehydes with silyl cyanide as cyanide pronucleophile to access 2-aminopyrazines and 2-aminoquinoxalines. <i>RSC Advances</i> , 2016, 6, 56056-56063.	3.6	9
591	Efficient Synthesis of 3-Substituted Indoles via a Base-Free Copper-Catalysed Three-Component Reaction in Water. <i>Journal of Chemical Research</i> , 2016, 40, 338-340.	1.3	5
592	Application of Silica-Supported Alkylating Reagents in a One-Pot, Sequential Protocol to Diverse Benzoxathiazepine 1,1-Dioxides. <i>ACS Combinatorial Science</i> , 2016, 18, 387-393.	3.8	10
593	BCl ₃ -mediated polycoupling of alkynes and aldehydes: a facile, metal-free multicomponent polymerization route to construct stereoregular functional polymers. <i>Polymer Chemistry</i> , 2016, 7, 4667-4674.	3.9	6
594	Diastereoselective Three-Component Cascade Reaction to Construct Oxindole-Fused Spirotetrahydrofurochroman Scaffolds for Drug Discovery. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2671-2680.	2.4	23
595	Domino reactions of cyclic enaminones leading to selective synthesis of pentacyclic indoles and its functionalization. <i>Tetrahedron</i> , 2016, 72, 4867-4877.	1.9	12
596	Copper(I)-Catalysed Multicomponent Reaction: Straightforward Access to 5-Hydroxy-1-pyrrol-2(5H)-ones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 543-548.	4.3	23
597	Tin(II) Chloride Catalyzed Multicomponent Synthesis of Propargylamines and Intramolecular [3+2] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 257-263.	2.7	16
598	A General, Concise Strategy that Enables Collective Total Syntheses of over 50 Protoberberine and Five Aporphine Alkaloids within Four to Eight Steps. <i>Chemistry - A European Journal</i> , 2016, 22, 7084-7089.	3.3	70
599	DABCO-catalyzed consecutive one pot four-component protocol for the synthesis of a novel class of (Z)-5-(3-hydroxy-2-oxindolin-3-yl)-2-iminothiazolidin-4-ones. <i>RSC Advances</i> , 2016, 6, 13820-13828.	3.6	3

#	ARTICLE	IF	CITATIONS
600	One-Pot Synthesis of Multisubstituted Benzimidazoles via Sequential Ugi and Catalytic Aza-Wittig Reaction Starting from 2-Aminobenzoyl Azides. <i>Journal of Organic Chemistry</i> , 2016, 81, 1263-1268.	3.2	36
601	An Ugi Reaction Incorporating a Redox-Neutral Amine C-H Functionalization Step. <i>Organic Letters</i> , 2016, 18, 631-633.	4.6	38
602	Chemistry of Ketene N -Acetals: An Overview. <i>Chemical Reviews</i> , 2016, 116, 287-322.	47.7	127
603	One-pot three-component regioselective synthesis of C1-functionalised 3-arylbenzo[f]quinoline. <i>RSC Advances</i> , 2016, 6, 11675-11682.	3.6	16
604	Condition based divergence in synthesis of tetrahydrobenzo[b]pyrans. <i>Research on Chemical Intermediates</i> , 2016, 42, 5779-5787.	2.7	7
605	One-pot synthesis of 1H-isochromenes and 1,2-dihydroisoquinolines by a sequential isocyanide-based multicomponent/Wittig reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2413-2420.	2.8	36
606	Gold-catalyzed three-component spirocyclization: a one-pot approach to functionalized pyrazolidines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1579-1583.	2.8	19
607	Synthesis of fully substituted naphthyridines: a novel domino four-component reaction in a deep eutectic solvent system based on choline chloride/urea. <i>Tetrahedron Letters</i> , 2016, 57, 351-353.	1.4	38
608	A catalyst and additive-free three-component reaction of highly electrophilic azides with cyclic ketones and cycloaliphatic amines. Synthesis of novel N-heteroaryl amidines. <i>Tetrahedron Letters</i> , 2016, 57, 1949-1952.	1.4	16
609	High-Throughput Screening Platform for the Discovery of New Immunomodulator Molecules from Natural Product Extract Libraries. <i>Journal of Biomolecular Screening</i> , 2016, 21, 567-578.	2.6	15
610	Synthesis and biological evaluation of indeno[1,5]naphthyridines as topoisomerase I (TopI) inhibitors with antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 179-190.	5.5	41
611	Microbial cyclophosphorase as a catalyst for the synthesis of diversified indolyl 4H-chromenes via one-pot three component reactions in water. <i>Green Chemistry</i> , 2016, 18, 3620-3627.	9.0	20
612	Bifunctional Furfuryl Cations Strategy: Three-Component Synthesis of Enamidyl Triazoles. <i>Chemistry - A European Journal</i> , 2016, 22, 129-133.	3.3	13
613	Three-component domino cyclization of novel carbazole and indole fused pyrano[2,3-c]pyridine derivatives. <i>Tetrahedron Letters</i> , 2016, 57, 1985-1989.	1.4	18
614	p -Toluenesulfonic Acid-Mediated Three-Component Reaction on Water-Protocol for the Synthesis of Novel Thiadiazolo[2,3-b]quinazolin-6(7H)-ones. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 120-126.	2.7	20
615	Ugi Four-Component Assembly Process: An Efficient Approach for One-Pot Multifunctionalization of Nanographene Oxide in Water and Its Application in Lipase Immobilization. <i>Chemistry of Materials</i> , 2016, 28, 3004-3016.	6.7	63
616	Novel domino procedures for the synthesis of chromene derivatives and their isomerization. <i>Molecular Diversity</i> , 2016, 20, 627-638.	3.9	4
617	Organocatalytic Enantioselective Michael-Henry Reaction Cascade. An Entry to Highly Functionalized Hajos-Parrish-Type Ketones with Five to Six Contiguous Stereogenic Centers and Two Quaternary Carbons. <i>Organic Letters</i> , 2016, 18, 1760-1763.	4.6	23

#	ARTICLE	IF	CITATIONS
618	ZnO nanoparticles as reusable heterogeneous catalyst for efficient one pot three component synthesis of imidazo-fused polyheterocycles. Tetrahedron Letters, 2016, 57, 1346-1350.	1.4	32
619	A highly efficient one-pot synthesis of indenopyridine-fused spirocyclic systems. RSC Advances, 2016, 6, 22306-22311.	3.6	13
620	A re-engineering approach: synthesis of pyrazolo[1,2-a]pyrazoles and pyrano[2,3-c]pyrazoles via an isocyanide-based four-component reaction under solvent-free conditions. Tetrahedron Letters, 2016, 57, 1435-1437.	1.4	17
621	Hydrophobically directed, catalyst-free, multi-component synthesis of functionalized 3,4-dihydroquinazolin-2(1H)-ones. RSC Advances, 2016, 6, 21789-21794.	3.6	20
622	Exogenous nucleosome-binding molecules: a potential new class of therapeutic drugs. Drug Discovery Today, 2016, 21, 707-711.	6.4	6
623	A Novel Mechanistic Study on Ultrasound-Assisted, One-Pot Synthesis of Functionalized Benzimidazo[2,1-b]quinazolin-1(1H)-ones. ACS Combinatorial Science, 2016, 18, 162-169.	3.8	34
624	Ambient temperature synthesis of spiro[indoline-3,2-thiazolidinones] by a DBSA-catalyzed sequential reaction in water. Tetrahedron Letters, 2016, 57, 1502-1506.	1.4	21
625	Accessible Method for the Development of Novel Sterol Analogues with Dipeptide-like Side Chains That Act as Neuroinflammation Inhibitors. ACS Chemical Neuroscience, 2016, 7, 305-315.	3.5	5
626	Versatile Protecting-Group Free Tetrazolomethane Amine Synthesis by Ugi Reaction. ACS Combinatorial Science, 2016, 18, 170-175.	3.8	15
627	Diversity oriented synthesis of β^2 -carbolinone and indolo-pyrazinone analogues based on an Ugi four component reaction and subsequent cyclisation of the resulting indole intermediate. RSC Advances, 2016, 6, 21165-21186.	3.6	22
628	Facile synthesis of new N-sulfonamidyl-4-thiazolidinone derivatives and their biological evaluation. New Journal of Chemistry, 2016, 40, 3047-3058.	2.8	25
629	2-Bromo-6-isocyanopyridine as a Universal Convertible Isocyanide for Multicomponent Chemistry. Organic Letters, 2016, 18, 984-987.	4.6	46
630	Direct polymerization of levulinic acid via Ugi multicomponent reaction. Green Chemistry, 2016, 18, 3272-3277.	9.0	49
631	A pot-economical and diastereoselective synthesis involving catalyst-free click reaction for fused-triazolobenzodiazepines. Green Chemistry, 2016, 18, 2642-2646.	9.0	52
632	Three-component reactions of phosphorus ylides, thiophenols, and acetyl chloride for the synthesis of (β^2 -thioacrylates). Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 926-929.	1.6	1
633	Copper-catalyzed three-component synthesis of aminonaphthoquinone-sulfonylamidine conjugates and in vitro evaluation of their antiproliferative activity. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2072-2076.	2.2	42
634	C(sp ²)-H Functionalization of 2H-Indazoles at C3-Position via Palladium(II)-Catalyzed Isocyanide Insertion Strategy Leading to Diverse Heterocycles. Journal of Organic Chemistry, 2016, 81, 2837-2848.	3.2	68
635	Palladium-catalyzed incorporation of atmospheric CO ₂ : efficient synthesis of functionalized oxazolidinones. Chemical Science, 2016, 7, 3914-3918.	7.4	106

#	ARTICLE	IF	CITATIONS
636	Co(acac) ₂ /O ₂ -catalyzed oxidative isocyanide insertion with 2-vinylanilines: efficient synthesis of 2-aminoquinolines. <i>RSC Advances</i> , 2016, 6, 32467-32470.	3.6	36
637	FormylBODIPYs: Privileged Building Blocks for Multicomponent Reactions. The Case of the Passerini Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 2888-2898.	3.2	28
638	Facile and Efficient Access to Tetrahydrobenzo[b]pyrans Catalyzed by N,N-Dimethylbenzylamine. <i>Heterocycles</i> , 2016, 92, 75.	0.7	19
639	Multicomponent Synthesis of Cyclic Depsipeptide Mimics by Ugi Reaction Including Cyclic Hemiacetals Derived from Asymmetric Organocatalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 803-809.	3.2	24
640	Passerini three-component cascade reactions in deep eutectic solvent: an environmentally benign and rapid system for the synthesis of β -acyloxyamides. <i>Research on Chemical Intermediates</i> , 2016, 42, 5607-5616.	2.7	23
641	A multicomponent pharmacophore fragment-decoration approach to identify selective LRRK2-targeting probes. <i>MedChemComm</i> , 2016, 7, 484-494.	3.4	2
642	An efficient, one-pot three-component synthesis of 4 <i>H</i> -thiazolo[3,2- <i>a</i>][1,3,5]triazin-6-one derivatives. <i>Heterocyclic Communications</i> , 2016, 22, 43-47.	1.2	3
643	Deep eutectic solvents (DESs) as eco-friendly and sustainable solvent/catalyst systems in organic transformations. <i>Journal of Molecular Liquids</i> , 2016, 215, 345-386.	4.9	354
644	Exploiting the Biginelli reaction: nitrogen-rich pyrimidine-based teracyclic β -helix mimetics. <i>Tetrahedron</i> , 2016, 72, 1151-1160.	1.9	8
645	An Efficient and Facile Method for the Synthesis of Benzimidazoisoquinoline Derivatives via a Multicomponent Reaction. <i>ACS Combinatorial Science</i> , 2016, 18, 65-69.	3.8	19
646	Unexpected isocyanide-based three-component bicyclization for the stereoselective synthesis of densely functionalized pyrano[3,4- <i>c</i>]pyrroles. <i>Chemical Communications</i> , 2016, 52, 900-903.	4.1	54
647	A green four-component synthesis of 2-amino-3-cyano-4-aryl-6-sulfanepyrimidine in water solvent using phase-transfer catalyst. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 597-604.	2.2	6
648	One-pot access to a privileged library of six membered nitrogenous heterocycles through multi-component cascade approach. <i>Research on Chemical Intermediates</i> , 2016, 42, 5147-5196.	2.7	22
649	Diversity-oriented expedient route for the synthesis of 3-tetrahydropyrimidinyl-coumarins via MCR. <i>Synthetic Communications</i> , 2016, 46, 63-72.	2.1	4
650	Employing carboxylic acids in aryne multicomponent coupling triggered by aziridines/azetidines. <i>Organic Chemistry Frontiers</i> , 2016, 3, 71-76.	4.5	42
651	A novel and green synthesis of indolone-N-amino acid derivatives via the Passerini three-component reactions in water. <i>Chinese Chemical Letters</i> , 2016, 27, 345-348.	9.0	11
652	Efficient synthesis of novel pyrano[2,3- <i>d</i>]pyrido[1,2- <i>a</i>]pyrimidine derivatives via isocyanide-based three-component reactions. <i>Tetrahedron Letters</i> , 2016, 57, 100-102.	1.4	28
653	Catalyst-free sonosynthesis of highly substituted propanamide derivatives in water. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 393-399.	8.2	63

#	ARTICLE	IF	CITATIONS
654	Recyclable task-specific acidic ionic liquid [NMP]H ₂ PO ₄ : Microwave-assisted, efficient one-pot, two-step tandem synthesis of fused thiazolo[2,3-b]quinazolinone and thiazolo[2,3-b]quinazoline derivatives. <i>Research on Chemical Intermediates</i> , 2016, 42, 3863-3873.	2.7	7
655	<i>In silico</i> -driven multicomponent synthesis of 4,5- and 1,5-disubstituted imidazoles as indoleamine 2,3-dioxygenase inhibitors. <i>MedChemComm</i> , 2016, 7, 409-419.	3.4	25
656	Mn(pbdo)2Cl ₂ /MCM-41 as a green catalyst in multi-component syntheses of some heterocycles. <i>Research on Chemical Intermediates</i> , 2016, 42, 2979-2988.	2.7	16
657	Eco-friendly one-pot, three-component synthesis of novel derivatives of kojic acid by the Mannich-type reaction under solvent-free ball-milling conditions. <i>Research on Chemical Intermediates</i> , 2016, 42, 3425-3439.	2.7	20
658	Ag/SiO ₂ as a recyclable catalyst for the facile green synthesis of 3-methyl-4-(phenyl)methylene-isoxazole-5(4H)-ones. <i>Research on Chemical Intermediates</i> , 2016, 42, 2553-2566.	2.7	63
659	Green Microwave-assisted Multicomponent Route to the Formation of 5,8-Dihydropyrido[2,3- <i>d</i>]pyrimidine Skeleton in Aqueous Media. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 318-324.	2.6	6
660	Aqueous microwave-assisted DMAP catalyzed synthesis of β -phosphonomalonates and 2-amino-4H-chromen-4-ylphosphonates via a domino Knoevenagel-phospha-Michael reaction. <i>Comptes Rendus Chimie</i> , 2017, 20, 140-145.	0.5	23
661	N=N bond formation in Ugi processes: from nitric acid to libraries of nitramines. <i>Chemical Communications</i> , 2017, 53, 2118-2121.	4.1	9
662	Antileishmanial Activity of Pyrazolopyridine Derivatives and Their Potential as an Adjunct Therapy with Miltefosine. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1041-1059.	6.4	69
663	Facile one-pot synthesis of novel dicyanoanilines fused to dithiane ring via a pseudo-four-component reaction. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1151-1157.	2.2	6
664	A Regioselective Multicomponent Cascade to Access Thiosemicarbazone-fused Thiazinones: Scope, Structure Elucidation and Gram Scale Synthesis. <i>ChemistrySelect</i> , 2017, 2, 1386-1391.	1.5	9
665	Design, synthesis and evaluation of novel pyrazolo-pyrimido[4,5- <i>d</i>]pyrimidine derivatives as potent antibacterial and biofilm inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1451-1457.	2.2	29
666	Utilizing an Encapsulated Solution of Reagents to Achieve the Four-Component Synthesis of (Benzo)Thiophene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 941-946.	4.3	17
667	Direct Construction of 2,3-Dihydroxy-2,3-diaryltetrahydrofurans via <i>N</i> -Heterocyclic Carbene/Base-Mediated Domino Reactions of Aromatic Aldehydes and Vinyl Selenone. <i>Organic Letters</i> , 2017, 19, 444-447.	4.6	22
668	Amberlite IR 120H ⁺ Catalyzed N=C/C=N Coupled Cyclization Strategy to Give Imidazoles: Design and Fabrication of Organic Nanomaterial with AFM Imaging. <i>ChemistrySelect</i> , 2017, 2, 241-245.	1.5	7
669	Er(OTf) ₃ Assisted Efficient Synthesis of β -Hydroxynaphthalene-1, 4-dione Derivatives <i>via</i> Pseudo Four-Component Reactions and Their Biological Evaluation. <i>ChemistrySelect</i> , 2017, 2, 489-493.	1.5	6
670	Sm ₂ O ₃ /Fluoroapatite as a reusable catalyst for the facile, green, one-pot synthesis of triazolidine-3-thione derivatives under aqueous conditions. <i>Journal of Fluorine Chemistry</i> , 2017, 195, 79-84.	1.7	25
671	Uncatalyzed synthesis of new substituted dihydro-2H-dipyrimido[1,2- <i>a</i> ,4,5- <i>d</i>]pyrimidine-2,4(3H)-dione. <i>Research on Chemical Intermediates</i> , 2017, 43, 4103-4114.	2.7	6

#	ARTICLE	IF	CITATIONS
672	A robust synthesis of functionalized 2 H-indazoles via solid state melt reaction (SSMR) and their anti-tubercular activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1593-1597.	2.2	30
673	<i>N</i> -Hydroxyimide Ugi Reaction toward \pm -Hydrazino Amides. <i>Organic Letters</i> , 2017, 19, 1228-1231.	4.6	26
674	Asymmetric Synthesis of Functionalized 2,5-Pyrrolidinediones and \pm -Lactams through Diastereospecific Cycloisomerization/Rearrangement of Chiral Ethanolamine-Derived Ugi Adducts. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2245-2257.	2.4	35
675	Diversity-oriented synthesis and cytotoxic activity evaluation of biaryl-containing macrocycles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2450-2458.	2.8	11
676	Synthetic Routes to Isomeric Imidazoindoles by Regioselective Ring-Opening of Activated Aziridines Followed by Copper-Catalysed C-N Cyclization. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2369-2378.	2.4	11
677	Exploring the scope of the Gewald reaction: Expansion to a four-component process. <i>Tetrahedron Letters</i> , 2017, 58, 1408-1412.	1.4	19
678	CuI Supported on Protonated Trititanate Nanotubes: A Reusable Catalyst for the One-Pot Synthesis of Propargylamines via A^3C^3 -Coupling. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 712-719.	2.7	26
679	A green synthetic approach toward the synthesis of structurally diverse spirooxindole derivative libraries under catalyst-free conditions. <i>Molecular Diversity</i> , 2017, 21, 325-337.	3.9	24
680	Efficient Synthesis of Fused Oxazepino-isoquinoline Scaffolds via an Ugi, Followed by an Intramolecular Cyclization. <i>ACS Combinatorial Science</i> , 2017, 19, 324-330.	3.8	11
681	A Rh(II)-catalyzed multicomponent reaction by trapping an \pm -amino enol intermediate in a traditional two-component reaction pathway. <i>Science Advances</i> , 2017, 3, e1602467.	10.3	42
682	3-[(E)-(acridin-9-ylmethylidene)amino]-1-substituted thioureas and their biological activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 234-241.	3.9	5
683	One-Pot Synthesis of Indoles by a Sequential Ugi-3CR/Wittig Reaction Starting from Odorless Isocyanide-Substituted Phosphonium Salts. <i>Journal of Organic Chemistry</i> , 2017, 82, 2772-2776.	3.2	30
684	Two Cycles with One Catch: Hydrazine in Ugi 4-CR and Its Postcyclizations. <i>ACS Combinatorial Science</i> , 2017, 19, 193-198.	3.8	19
685	New push-pull polyene chromophores containing a Michler's base donor and a tricyanofuran acceptor: multicomponent condensation, allopolar isomerism and large optical nonlinearity. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2230-2234.	5.5	26
686	Brønsted-Acid-Catalyzed Multicomponent One-Pot Reaction: Efficient Synthesis of Polysubstituted 1,2-Dihydropyridines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 746-750.	2.7	32
687	Amine-Functionalized Silica-Supported Magnetic Nanoparticles: Preparation, Characterization and Catalytic Performance in the Chromene Synthesis. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 714-719.	3.7	61
688	Ugi three-component reaction of alcohols, amines and isocyanides: A new approach to the synthesis of cyclic amidines. <i>Tetrahedron Letters</i> , 2017, 58, 1202-1206.	1.4	5
689	A synthesis of 6-functionalized 4,7-dihydro[1,2,4]triazolo[1,5-a]pyrimidines. <i>Tetrahedron Letters</i> , 2017, 58, 1207-1210.	1.4	12

#	ARTICLE	IF	CITATIONS
690	Cu(I)@Fe ₃ O ₄ nanoparticles supported on imidazolium-based ionic liquid-grafted cellulose: Green and efficient nanocatalyst for multicomponent synthesis of N-sulfonylamidines and N-sulfonylacrylamidines. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3788.	3.5	19
691	A new four-component reaction involving the Michael addition and the Gewald reaction, leading to diverse biologically active 2-aminothiophenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3892-3900.	2.8	30
692	A Multicomponent Reaction as a Versatile Tool for the Synthesis of Spirooxindoles using N-Alkylisatins; Efficient Catalysis by ZnO Nanoparticles. <i>Journal of Chemical Research</i> , 2017, 41, 7-11.	1.3	4
693	A New Type of Magnetically-Recoverable Heteropolyacid Nanocatalyst Supported on Zirconia-Encapsulated Fe ₃ O ₄ Nanoparticles as a Stable and Strong Solid Acid for Multicomponent Reactions. <i>Catalysis Letters</i> , 2017, 147, 1551-1566.	2.6	16
694	Green synthesis of Ni-Cu-Zn ferrite nanoparticles using tragacanth gum and their use as an efficient catalyst for the synthesis of polyhydroquinoline derivatives. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3823.	3.5	81
695	Synthesis of Dihydropyridinone-Fused Indoles and β -Carbolines via N-Heterocyclic Carbene-Catalyzed [3 + 3] Annulation of Indolin-2-imines and Bromoenals. <i>Organic Letters</i> , 2017, 19, 2286-2289.	4.6	61
696	Nano structured spinel Co ₃ O ₄ -catalyzed four component reaction: A novel synthesis of Ugi adducts from aryl alcohols as a key reagent. <i>Chinese Chemical Letters</i> , 2017, 28, 1619-1624.	9.0	8
697	Synthesis of cyclopropa[1,2-b]quinolines through a MCR/Staudinger/aza-Wittig sequence. <i>Synthetic Communications</i> , 2017, 47, 1368-1374.	2.1	5
698	Design, synthesis and fluorescence property evaluation of blue emitting triazole-linked chromene peptidomimetics. <i>Molecular Diversity</i> , 2017, 21, 585-596.	3.9	7
699	1,4,5-Trisubstituted Imidazole-Based p53-MDM2/MDMX Antagonists with Aliphatic Linkers for Conjugation with Biological Carriers. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4234-4244.	6.4	29
700	Manipulating a Multicomponent Reaction: A Straightforward Approach to Chromenopyrazole Hybrid Scaffolds. <i>Synthesis</i> , 2017, 49, 3619-3632.	2.3	8
701	Synthesis and Desymmetrization of meso-2,3-Diphenylpiperazine for Application in Asymmetric Transformations. <i>ChemistrySelect</i> , 2017, 2, 3937-3942.	1.5	2
702	Click-chemistry-based multicomponent condensation approach for design and synthesis of spirochromene-tethered 1,2,3-triazoles as potential antitubercular agents. <i>Research on Chemical Intermediates</i> , 2017, 43, 5675-5690.	2.7	15
703	Chemo-, Regio-, and Stereoselective Construction of Core Skeleton of Furo[2,3-b]pyrrole via Multicomponent Bicyclization Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 5566-5573.	3.2	29
704	Sulfonated polynaphthalene as an effective and reusable catalyst for the one-pot preparation of amidoalkyl naphthols: DFT and spectroscopic studies. <i>Journal of Molecular Structure</i> , 2017, 1144, 87-102.	3.6	15
705	MgFe ₂ O ₄ /cellulose/SO ₃ H nanocomposite: a new biopolymer-based nanocatalyst for one-pot multicomponent syntheses of polysubstituted tetrahydropyridines and dihydropyrimidinones. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1801-1813.	2.2	34
706	Synthesis, characterisation and catalytic activity of 4, 5-imidazoledicarboxylate ligated Co(II) and Cd(II) metal-organic coordination complexes. <i>Journal of Molecular Structure</i> , 2017, 1143, 153-162.	3.6	31
707	Heteroannulation of 3-Nitroindoles and 3-Nitrobenzo[b]thiophenes: A Multicomponent Approach toward Pyrrole-Fused Heterocycles. <i>Organic Letters</i> , 2017, 19, 2458-2461.	4.6	50

#	ARTICLE	IF	CITATIONS
708	Palladium-Catalyzed Enantioselective C(sp ²)–H Imidoylation by Desymmetrization. <i>ACS Catalysis</i> , 2017, 7, 3832-3836.	11.2	54
709	Metal-Free Regioselective Dual C–H Functionalization in a Cascade Fashion: Access to Isocryptolepine Alkaloid Analogues. <i>ChemistrySelect</i> , 2017, 2, 3511-3515.	1.5	8
710	One-pot asymmetric synthesis of a spiro[dihydrofurocoumarin/pyrazolone] scaffold by a Michael addition/ ₂ -mediated cyclization sequence. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5709-5718.	2.8	18
711	Synthesis of highly substituted dihydro-2-oxopyrroles using Fe ₃ O ₄ @nano-cellulose–OPO ₃ H as a novel bio-based magnetic nanocatalyst. <i>RSC Advances</i> , 2017, 7, 30303-30309.	3.6	38
712	Regioselective Three-Component Reaction of Pyridine <i>N</i> -Oxides, Acyl Chlorides, and Cyclic Ethers. <i>Organic Letters</i> , 2017, 19, 3512-3515.	4.6	27
713	Hydroxyapatite: A review of syntheses, structure and applications in heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2017, 347, 48-76.	18.8	347
714	Phenanthrene Synthesis by Palladium-Catalyzed Benzannulation with <i>o</i> -Bromobenzyl Alcohols through Multiple Carbon–Carbon Bond Formations. <i>Journal of Organic Chemistry</i> , 2017, 82, 6242-6258.	3.2	25
715	Synthesis, Molecular Docking, Molecular Dynamics Studies, and Biological Evaluation of 4 <i>H</i> -Chromone-1,2,3,4-tetrahydropyrimidine-5-carboxylate Derivatives as Potential Antileukemic Agents. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 1246-1257.	5.4	28
716	Two Different Green Catalytic Systems for One-Pot Regioselective and Chemoselective Synthesis of Some Pyrimido[4,5- <i>cd</i>]Pyrimidinone Derivatives in Water. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3174-3186.	2.6	31
717	RuO ₂ /ZrO ₂ as an efficient reusable catalyst for the facile, green, one-pot synthesis of novel functionalized halopyridine derivatives. <i>Catalysis Communications</i> , 2017, 100, 24-28.	3.3	19
718	Direct access to isoxazolino and isoxazolo benzazepines from 2-((hydroxyimino)methyl)benzoic acid via a post-Ugi heteroannulation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5737-5742.	2.8	27
719	Synthesis of <i>N</i> -acetoxy- <i>N</i> -arylamides via diacetoxyiodobenzene promoted double acylation reaction of hydroxylamines with aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5337-5344.	2.8	4
720	Stereoselective Synthesis of Quaternary Pyrrolidine-2,3-diones and β -Amino Acids. <i>Organic Letters</i> , 2017, 19, 2961-2964.	4.6	27
721	Microwave assisted solvent- and catalyst-free three-component synthesis of NH-1,2,3-triazoloimines. <i>Tetrahedron</i> , 2017, 73, 3979-3985.	1.9	22
723	On-water–catalyst-free, one-pot synthesis of quaternary centered and spiro-tetrahydrothiophene-barbiturate hybrids. <i>Tetrahedron Letters</i> , 2017, 58, 2865-2871.	1.4	22
724	Chemoselective Synthesis of Novel Heterocyclic [3.3.3]Propellane Derivatives via a One-Pot Three-Component Reaction. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1463-1468.	4.9	9
725	One-Pot Organocatalytic Michael Addition/ ₂ –Mediated Cyclization Sequence: Metal-Free Synthesis of Spiropyrazolones from 1,3-Diketones and Unsaturated Pyrazolones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3152-3160.	2.4	21
726	1,3,5-Tris(2-hydroxyethyl)isocyanurate functionalized graphene oxide: a novel and efficient nanocatalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1 <i>H</i>)-ones. <i>New Journal of Chemistry</i> , 2017, 41, 6893-6901.	2.8	36

#	ARTICLE	IF	CITATIONS
727	One-Pot Multicomponent Synthesis of β -Amino Amides. <i>Angewandte Chemie</i> , 2017, 129, 4636-4639.	2.0	10
728	Nanomagnetically modified thioglycolic acid (β -Fe ₂ O ₃ @SiO ₂ -SCH ₂ CO ₂ H): Efficient and reusable green catalyst for the one-pot domino synthesis of spiro[benzo[<i>a</i>]benzo[6,7]chromeno[2,3- <i>c</i>]phenazine] and benzo[<i>a</i>]benzo[6,7]chromeno[2,3- <i>c</i>]phenazines. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3791.	3.5	13
729	A versatile approach to hybrid thiadiazine-based molecules by the Ugi four-component reaction. <i>Tetrahedron Letters</i> , 2017, 58, 1784-1787.	1.4	7
730	TiO ₂ @SiO ₂ Catalyzed Eco-friendly Synthesis and Antioxidant Activity of Benzopyrano[2,3- <i>d</i>]pyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 2598-2604.	2.6	11
731	2-Nitrobenzyl Isocyanide as a Universal Convertible Isocyanide. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 798-801.	2.7	10
732	Efficient microwave-assisted synthesis of fused benzoxazepine-isoquinoline derivatives via an Ugi reaction/tautomerization/intramolecular SNAr reaction sequence. <i>Tetrahedron Letters</i> , 2017, 58, 1640-1643.	1.4	8
733	Sonochemical rate enhanced by a new nanomagnetic embedded core/shell nanoparticles and catalytic performance in the multicomponent synthesis of pyridoimidazoisoquinolines. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 115-119.	8.2	44
734	Direct Intermolecular C-H Functionalization Triggered by 1,5-Hydride Shift: Access to <i>N</i> -Arylprolinamides via Ugi-Type Reaction. <i>Organic Letters</i> , 2017, 19, 1566-1569.	4.6	36
735	Synthesis of Diastereoenriched Oxazolo[5,4- <i>b</i>]indoles via Catalyst-Free Multicomponent Bicyclizations. <i>Journal of Organic Chemistry</i> , 2017, 82, 3605-3611.	3.2	52
736	Scaffold hopping <i>via</i> ANCHOR.QUERY: β -lactams as potent p53-MDM2 antagonists. <i>MedChemComm</i> , 2017, 8, 1046-1052.	3.4	21
737	A tunable copper-catalyzed multicomponent reaction towards alkaloid-inspired indole/lactam polycycles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3304-3309.	2.8	19
738	One-Pot Multicomponent Synthesis of β -Amino Amides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4565-4568.	13.8	72
739	Recent Advances in Multicomponent Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 202-224.	4.3	84
740	1H-imidazol-3-ium tricyanomethanide {[HIM]C(CN) ₃ } as a nanostructured molten salt catalyst: application to the synthesis of pyrano[4,3- <i>b</i>]pyrans. <i>Research on Chemical Intermediates</i> , 2017, 43, 3291-3305.	2.7	13
741	Novel iron doped calcium oxalates as promising heterogeneous catalysts for one-pot multi-component synthesis of pyranopyrazoles. <i>RSC Advances</i> , 2017, 7, 423-432.	3.6	58
742	N-Heterocyclic Carbene-Catalyzed [3+3] Annulation of Indoline- α -thiones with Bromoenals: Synthesis of Indolo[2,3- <i>b</i>]dihydrothiopyranones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 44-48.	4.3	31
743	To each his own: isonitriles for all flavors. Functionalized isocyanides as valuable tools in organic synthesis. <i>Chemical Society Reviews</i> , 2017, 46, 1295-1357.	38.1	327
744	Electrocatalytic one pot synthesis of medicinally relevant 4H-benzo[<i>g</i>]chromene and pyrano[2,3- <i>g</i>]chromene scaffold via multicomponent-domino approach. <i>Tetrahedron Letters</i> , 2017, 58, 4323-4327.	1.4	12

#	ARTICLE	IF	CITATIONS
745	Amphoteric 2-(sulfonylamino)benzaldehydes, secondary amines and isocyanides in the multicomponent synthesis of elusive N -alkyl-2,3-diaminoindoles. <i>Tetrahedron Letters</i> , 2017, 58, 4264-4268.	1.4	14
746	Nano-Sized Zirconium Dioxide Promoted Synthesis of Some Fused Polycyclic-2H-Chromenes. <i>Organic Preparations and Procedures International</i> , 2017, 49, 434-442.	1.3	4
747	$1+1+1+1$ mediated [1 + 1 + 1 + 1] cyclization of aromatic isocyanides with amines to construct 1,3-diazetidines-2,4-diimine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8738-8742.	2.8	6
748	Multicomponent Mannich reactions: General aspects, methodologies and applications. <i>Tetrahedron</i> , 2017, 73, 6977-7004.	1.9	102
749	Application of the Ugi Multicomponent Reaction in the Synthesis of Reactivators of Nerve Agent Inhibited Acetylcholinesterase. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9376-9392.	6.4	17
750	Green and Facile Synthesis of 4-H-Pyran Scaffold Catalyzed by Pure Nano-Ordered Periodic Mesoporous Organosilica with Isocyanurate Framework (PMO-ICS). <i>ChemistrySelect</i> , 2017, 2, 9236-9243.	1.5	25
751	Nickel-catalyzed acetamidation and lactamization of arylboronic acids. <i>Chemical Communications</i> , 2017, 53, 11996-11999.	4.1	10
752	DEAD-Promoted Oxidative Ugi-Type Reaction Including an Unprecedented Ugi Amidation Assisted by Dicarboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6338-6348.	2.4	23
753	Silver/Scandium-Cocatalyzed Bicyclization of β^2 -Alkynyl Ketones Leading to Benzo[xanthenes and Naphtho[1,2-b]benzofurans. <i>Journal of Organic Chemistry</i> , 2017, 82, 11524-11530.	3.2	41
754	Transition metal-catalyzed C-H bond functionalization in multicomponent reactions: a tool toward molecular diversity. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9031-9043.	2.8	110
755	Diastereoselective Synthesis of Functionalized Diketopiperazines through Post-transformational Reactions. <i>Journal of Organic Chemistry</i> , 2017, 82, 12141-12152.	3.2	30
756	Regioselective synthesis and theoretical studies of novel bis(tetrahydro[1,2,4]triazolo[5,1-b]quinazolin-8(4H)-ones) catalyzed by ZnO nanoparticles. <i>Monatshefte für Chemie</i> , 2017, 148, 2107-2122.	1.8	37
757	Ultrasonicated synthesis of novel quinoline-lipoyl peptides through Ugi-four component condensation by using Ca/BN catalyst. <i>Synthetic Communications</i> , 0, , .	2.1	2
758	Investigation of the Reaction of <i>In Situ</i> Prepared Dithiocarbamic Acids with Itaconic Anhydride in Water. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3372-3376.	2.6	3
759	Propylsulfonic Acid-Anchored Isocyanurate-Based Periodic Mesoporous Organosilica (PMO-ICS-PrSO ₃ H): A Highly Efficient and Recoverable Nanoporous Catalyst for the One-Pot Synthesis of Substituted Polyhydroquinolines. <i>Catalysis Letters</i> , 2017, 147, 2656-2663.	2.6	26
760	Synthesis of penta- and tetra-cyclic cage-like compounds and dispiro heterocycles through microwave-assisted solvent-free multi-component domino reactions. <i>New Journal of Chemistry</i> , 2017, 41, 11009-11015.	2.8	8
761	Construction of Four Copper Coordination Polymers Derived from a Tetra-Pyridyl-Functionalized Calix[4]arene: Synthesis, Structural Diversity, and Catalytic Applications in the A ³ (Aldehyde, Alkyne, and Amine) Coupling Reaction. <i>Crystal Growth and Design</i> , 2017, 17, 5441-5448.	3.0	15
762	Cyanuric chloride catalyzed metal-free mild protocol for the synthesis of highly functionalized tetrahydropyridines. <i>Tetrahedron Letters</i> , 2017, 58, 3905-3909.	1.4	22

#	ARTICLE	IF	CITATIONS
763	Multicomponent synthesis of new curcumin-based pyrano[2,3-d]pyrimidine derivatives using a nano-magnetic solid acid catalyst. <i>New Journal of Chemistry</i> , 2017, 41, 12293-12302.	2.8	27
764	Photolabile Hydrogels Responsive to Broad Spectrum Visible Light for Selective Cell Release. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32441-32445.	8.0	46
765	Convenient two-step synthesis of highly functionalized benzo-fused 1,4-diazepin-3-ones and 1,5-diazocin-4-ones by sequential Ugi and intramolecular S _N Ar reactions. <i>Tetrahedron</i> , 2017, 73, 6347-6355.	1.9	15
766	Modification of electron deficient polyester via Huisgen/Passerini sequence. <i>Polymer</i> , 2017, 127, 45-51.	3.8	33
767	5-Aminotetrazole as a Building Block for Multicomponent Reactions (Review). <i>Heterocycles</i> , 2017, 94, 1819.	0.7	15
768	Electrochemical approach for synthesis of 3-substituted indole derivatives. <i>Tetrahedron Letters</i> , 2017, 58, 4227-4231.	1.4	15
769	Rapid formation of chemical complexity via a modified Biginelli reaction leading to dihydrofuran-2(3H)-one derivatives. <i>Tetrahedron Letters</i> , 2017, 58, 4233-4237.	1.4	15
770	An efficient approach to the synthesis of coumarin-fused dihydropyridinones. <i>Heterocyclic Communications</i> , 2017, 23, 305-308.	1.2	6
771	An Efficient One-Pot Synthesis of Densely Functionalized Fused-Quinolines via Sequential Ugi4CC and Acid-Mediated Povarov-Type Reaction. <i>ACS Combinatorial Science</i> , 2017, 19, 600-608.	3.8	22
772	A facile Ir-catalyzed synthesis of imidazo[1,2-a]pyridines via <i>sp</i> ³ -C-H functionalization of azaarenes and evaluation of anticancer activity. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6780-6791.	2.8	38
773	Multifunctional odorless isocyano(triphenylphosphoranylidene)-acetates: synthesis and direct one-pot four-component Ugi/Wittig cyclization to multisubstituted oxazoles. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2044-2048.	4.5	30
774	Structure Determination of 2-(3,4-Dihydroisoquinolin-2(1H)-yl)-2-[4-(dimethylamino)phenyl]acetonitrile, an α -Amino Nitrile Obtained by a Modified Strecker Reaction. <i>Journal of Chemical Crystallography</i> , 2017, 47, 166-172.	1.1	0
775	Low transition temperature mixtures prompted one-pot synthesis of 5, 10 dihydropyrimido[4,5-b]quinoline-2,4(1H,3H)-dione derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 7013-7028.	2.7	13
776	Unexpected straightforward formation of trifluoromethylated pyrido[2,3-d]pyrimidine derivatives via one-pot, MCRs. <i>Journal of Fluorine Chemistry</i> , 2017, 200, 162-168.	1.7	13
777	Synthesis of 2-amino-4H-chromen-4-ylphosphonates and β -phosphonomalonates via tandem Knoevenagel-Phospha-Michael reaction and antimicrobial evaluation of newly synthesized β -phosphonomalonates. <i>Research on Chemical Intermediates</i> , 2017, 43, 7319-7329.	2.7	13
778	A synthesis of functionalized 2,5-diimino-thiazolidines from Nef-isocyanide adduct and 1-alkyl-3-arylthioureas. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 1195-1200.	1.6	2
779	An unexpected course of a palladium catalyzed three-component reaction leading to steroid chroman ketals. <i>Tetrahedron Letters</i> , 2017, 58, 3500-3504.	1.4	6
780	A fast route for the synthesis of tetrazolyl oximes by a novel multicomponent reaction between Z-chlorooximes, isocyanides and trimethylsilyl azide. <i>Tetrahedron Letters</i> , 2017, 58, 3549-3553.	1.4	6

#	ARTICLE	IF	CITATIONS
781	Copper-catalyzed one-pot reactions of acetyl chloride, o-halobenzoic acids and Wittig reagents toward 3-methyl isocoumarin synthesis. <i>RSC Advances</i> , 2017, 7, 37839-37843.	3.6	9
782	Single Reactant Replacement Approach of Passerini Reaction: One-Pot Synthesis of β -Acyloxyamides and Phthalides. <i>Organic Letters</i> , 2017, 19, 4616-4619.	4.6	40
783	DFT Studied Hetero- α -Diels-Alder Cycloaddition for the Domino Synthesis of Spiroheterocycles Fused to Benzothiazole and Chromene/Pyrimidine Rings in Aqueous Media. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3418-3426.	2.6	6
784	Diversity-oriented functionalization of indolizines at the C3 position via multicomponent Kabachnik-Fields reaction. <i>Tetrahedron</i> , 2017, 73, 5759-5768.	1.9	10
785	Assembly of 2-Arylbenzothiazoles through Three-Component Oxidative Annulation under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2017, 19, 4576-4579.	4.6	95
786	Rational Design of Polymeric Nanoparticles with Tailorable Biomedical Functions for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29612-29622.	8.0	20
787	One-pot and regioselective synthesis of 3,4-dihydroquinazolines by Sequential Ugi/Staudinger/aza-Wittig reaction starting from functionalized isocyanides. <i>Tetrahedron</i> , 2017, 73, 5720-5724.	1.9	17
788	Room Temperature Multicomponent Polymerizations of Alkynes, Sulfonyl Azides, and Iminophosphorane toward Heteroatom-Rich Multifunctional Poly(phosphorus amidine)s. <i>Macromolecules</i> , 2017, 50, 6043-6053.	4.8	48
789	An efficient and green synthesis of polyfunctionalized spirothiazolidin-4-ones using sulfonated mesoporous silica as a reusable catalyst. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1148-1155.	1.2	9
790	Nitrilium ions - synthesis and applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10134-10144.	2.8	50
791	Synthesis of Functional Poly(propargyl imine)s by Multicomponent Polymerizations of Bromoarenes, Isonitriles, and Alkynes. <i>ACS Macro Letters</i> , 2017, 6, 1352-1356.	4.8	16
792	One-pot synthesis of benzopyrans catalyzed by silica supported dual acidic ionic liquid under solvent-free conditions. <i>Heterocyclic Communications</i> , 2017, 23, 411-414.	1.2	8
793	One-pot synthesis of vinylisoxazolidines from simple hydroxylamines and conjugated carbonyls. <i>Tetrahedron Letters</i> , 2017, 58, 4682-4686.	1.4	8
794	The Hantzsch reaction in polymer chemistry: synthesis and tentative application. <i>Polymer Chemistry</i> , 2017, 8, 7290-7296.	3.9	42
795	Interplay between Organocatalysis and Multicomponent Reactions in Stereoselective Synthesis. <i>ACS Symposium Series</i> , 2017, , 49-60.	0.5	1
796	A class of β -amino acids-derived multifunctional amidophosphane precatalysts: application to the highly enantio- and diastereoselective silver(I)-catalyzed 1,3-dipolar cycloaddition reaction. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 930-938.	1.8	9
797	Synthesis of Carboxamide-Functionalized Multiwall Carbon Nanotubes via Ugi Multicomponent Reaction: Water-Dispersible Peptidomimetic Nanohybrid as Controlled Drug Delivery Vehicle. <i>ChemistrySelect</i> , 2017, 2, 5218-5225.	1.5	23
798	With unprotected amino acids to tetrazolo peptidomimetics. <i>Chemical Communications</i> , 2017, 53, 8549-8552.	4.1	17

#	ARTICLE	IF	CITATIONS
799	Versatile Routes to Functional RAFT Chain Transfer Agents through the Passerini Multicomponent Reaction. <i>ACS Macro Letters</i> , 2017, 6, 781-785.	4.8	7
800	TSA-catalyzed regioselective synthesis of medicinally important 4-aryl-substituted dihydropyrimidine derivatives fused to pyrazole and triazole scaffolds via an efficient and green Domino reaction. <i>Monatshefte für Chemie</i> , 2017, 148, 1469-1475.	1.8	11
801	Asymmetric synthesis and evaluation of epoxy- β -acyloxycarboxamides as selective inhibitors of cathepsin L. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4620-4627.	3.0	14
802	Palladium-Catalyzed Carbonylative Multicomponent Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 2973-2987.	3.3	131
803	Recent progress in the chemistry of bicyclic 6 α -6 systems: chemistry of pyrido[1,2-a]pyrimidines. <i>Monatshefte für Chemie</i> , 2017, 148, 601-627.	1.8	33
804	Rational design and synthesis of 1,5-disubstituted tetrazoles as potent inhibitors of the MDM2-p53 interaction. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 384-407.	5.5	30
805	α -TSA-catalyzed one-pot synthesis of novel 7-aryl-6H-benzo[h][1,3]dioxolo[4,5-b]xanthene-5,6(7H)-diones in ethanol. <i>Synthetic Communications</i> , 2017, 47, 37-43.	2.1	4
806	Efficient synthesis of novel pyrrolo[2,3-c]pyridone derivatives using the Ugi four-component reaction followed by condensation reaction. <i>New Journal of Chemistry</i> , 2017, 41, 97-107.	2.8	9
807	Multi-Component synthesis and computational studies of three novel thio-barbituric acid carbohydrate derivatives. <i>Journal of Molecular Structure</i> , 2017, 1127, 309-313.	3.6	8
808	Controlled growth of Au/Ni bimetallic nanocrystals with different nanostructures. <i>Rare Metals</i> , 2017, 36, 229-235.	7.1	10
809	Novel multicomponent synthesis of 2-OXO-1, 2-diphenylethylidene hydrazinyl thiadiazinyl-2H-chromen-2-one derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 69-72.	1.6	2
810	Nanometasilica disulfuric acid (NMSDSA) and nanometasilica monosulfuric acid sodium salt (NMSMSA) as two novel nanostructured catalysts: applications in the synthesis of Biginelli-type, polyhydroquinoline and 2,3-dihydroquinazolin-4(1H)-one derivatives. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 121-134.	2.2	37
811	Indium triflate promoted one-pot multicomponent synthesis of structurally diverse 3-amino-imidazo[1,2-a]pyridines. <i>Molecular Diversity</i> , 2017, 21, 81-88.	3.9	13
812	Molecular diversity in cyclization of Ugi-products leading to the synthesis of 2,5-diketopiperazines: computational study. <i>Research on Chemical Intermediates</i> , 2017, 43, 2119-2142.	2.7	15
813	Expedient Access to Novel Bis- α -tetrazolopiperazines via Ugi- α -azide Reactions. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1396-1403.	2.6	6
814	Study on the propylphosphonic anhydride (T3P ®) mediated Ugi-type three-component reaction. Efficient synthesis of an α -amino amide library. <i>Tetrahedron</i> , 2017, 73, 70-77.	1.9	16
815	A facile method for building fused quinoxaline-quinolinones via an acidless post-Ugi cascade reaction. <i>Chinese Chemical Letters</i> , 2017, 28, 541-545.	9.0	10
816	Silica iodide catalyzed, ultrasound-promoted, one-pot four-component synthesis of novel 1,4,5,6-tetrahydropyridine-3-carboxylate derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 292-299.	1.6	1

#	ARTICLE	IF	CITATIONS
817	Rapid access to reverse-turn peptidomimetics by a three-component Ugi reaction of 3,4-dihydroisoquinoline. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 1214-1219.	1.2	4
818	Potassium phthalimide as efficient basic organocatalyst for the synthesis of 3,4-disubstituted isoxazol-5(4H)-ones in aqueous medium. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S112-S119.	5.2	67
819	Bis(indoline-2,3-diones): versatile precursors for novel bis(spirooxindoles) incorporating 4H-chromene-3-carbonitrile and pyrano[2,3-d]pyrimidine-6-carbonitrile derivatives. <i>Turkish Journal of Chemistry</i> , 2017, 41, 410-419.	1.2	14
820	A practical and efficient approach to imidazo[1,2-a]pyridine-fused isoquinolines through the post-GBB transformation strategy. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 817-824.	2.2	15
821	Synergy Effects in the Chemical Synthesis and Extensions of Multicomponent Reactions (MCRs) – The Low Energy Way to Ultra-Short Syntheses of Tailor-Made Molecules. <i>Molecules</i> , 2017, 22, 349.	3.8	12
822	Consecutive One-Pot versus Domino Multicomponent Approaches to 3-(Diarylmethylene)oxindoles. <i>Molecules</i> , 2017, 22, 503.	3.8	12
823		3.8	1
824	Facile One-Pot Synthesis of Amidoalkyl Naphthols and Benzopyrans Using Magnetic Nanoparticle-Supported Acidic Ionic Liquid as a Highly Efficient and Reusable Catalyst. <i>Catalysts</i> , 2017, 7, 351.	3.5	34
825	An efficient synthesis of naphtho[2,1-b]furan-2(1H)-ones catalysed by Nafion-H supported on silica-coated super paramagnetic iron oxide nanoparticles. <i>Journal of Chemical Research</i> , 2017, 41, 408-412.	1.3	8
826	DABCO: An Efficient Catalyst for Pseudo Multi-component Reaction of Cyclic Ketone, Aldehyde and Malononitrile. <i>Letters in Organic Chemistry</i> , 2017, 14, .	0.5	6
827	Synthesis of novel series of 7,7-(substituted methylene)bis-imidazo[1,2-b]pyrazoles via an acid catalyzed one-pot three-component reaction. <i>New Journal of Chemistry</i> , 2018, 42, 5728-5741.	2.8	7
828	A Unique Blend of Water, DES and Ultrasound for One-Pot Knorr Pyrazole Synthesis and Knoevenagel-Michael Addition Reaction. <i>ChemistrySelect</i> , 2018, 3, 2032-2036.	1.5	20
829	A Facile and Green Approach for One-Pot Synthesis of Functionalized Chromeno[3,4-b]quinolines and Spiro Chromeno[3,4-b]quinolines by Using Molecular Iodine as a Catalyst. <i>ChemistrySelect</i> , 2018, 3, 2261-2266.	1.5	19
830	Promiscuity of Lipase-Catalyzed Reactions for Organic Synthesis: A Recent Update. <i>ChemistrySelect</i> , 2018, 3, 2441-2466.	1.5	71
831	Propargylation of Ugi Amide Dianion: An Entry into Pyrrolidinone and Benzoindolizidine Alkaloid Analogues. <i>Organic Letters</i> , 2018, 20, 2568-2571.	4.6	21
832	One-pot sequential multicomponent reaction between in situ generated aldimines and succinaldehyde: facile synthesis of substituted pyrrole-3-carbaldehydes and applications towards medicinally important fused heterocycles. <i>RSC Advances</i> , 2018, 8, 15448-15458.	3.6	18
833	Gold Nanoparticles Supported on Imidazole-Modified Bentonite: Environmentally Benign Heterogeneous Catalyst for the Three-Component Synthesis of Propargylamines in Water. <i>ChemPlusChem</i> , 2018, 83, 431-438.	2.8	31
834	Carbolinone Analogues from the Ugi Silver Mine. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3139-3143.	2.4	10

#	ARTICLE	IF	CITATIONS
835	Citric Acid-Catalyzed Green and Sustainable Synthesis of Novel Functionalized Pyrano[2,3- <i>b</i> : <i>c'</i> : <i>e</i> : <i>i'</i>]pyrimidin-6-yl and Pyrano[2,3- <i>b</i> : <i>c'</i> : <i>i</i> : <i>d'</i>]pyrazol-6-ylamines in Water via One-Pot Multicomponent Approaches. <i>ChemistrySelect</i> , 2018, 3, 3832-3838.	1.5	10
836	High Throughput Preparation of UV-Protective Polymers from Essential Oil Extracts via the Biginelli Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 6865-6872.	13.7	61
837	Modular Synthesis of β -Amino Boronate Peptidomimetics. <i>Journal of Organic Chemistry</i> , 2018, 83, 7296-7302.	3.2	22
838	Ultrasound-promoted green synthesis of 1,4-dihydropyridines using functionalized MWCNTs as a highly efficient heterogeneous catalyst. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 197-208.	4.7	38
839	A multicomponent approach in the discovery of indoleamine 2,3-dioxygenase 1 inhibitors: Synthesis, biological investigation and docking studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 651-657.	2.2	24
840	Hierarchically Pore Structure poly 2-(Dimethyl amino) ethyl methacrylate/Hi-ZSM-5: A Novel Acid-Base Bi-functional Catalyst as Heterogeneous Platform for a Tandem Reaction. <i>Catalysis Letters</i> , 2018, 148, 958-971.	2.6	6
841	Multicomponent mechanochemical synthesis. <i>Chemical Science</i> , 2018, 9, 2042-2064.	7.4	204
842	Copper(II)-Schiff Base Complex-Functionalized Polyacrylonitrile Fiber as a Green Efficient Heterogeneous Catalyst for One-Pot Multicomponent Syntheses of 1,2,3-Triazoles and Propargylamines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1673-1684.	4.3	36
843	Diastereoselective synthesis of peptidomimetics in one-pot Ugi reaction using trans-4-isopropylcyclohexanecarboxylic acid. <i>Monatshefte für Chemie</i> , 2018, 149, 625-633.	1.8	6
844	Green synthesis of new pyrrolidine-fused spirooxindoles via three-component domino reaction in EtOH/H ₂ O. <i>RSC Advances</i> , 2018, 8, 5702-5713.	3.6	32
845	Use of an efficient polystyrene-supported cerium catalyst for one-pot multicomponent synthesis of spiro-piperidine derivatives and click reactions in green solvent. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4227.	3.5	14
846	Copper(I)-catalyzed multicomponent reactions in sustainable media. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4256.	3.5	10
847	An Efficient Four Component Domino Synthesis of Pyrazolopyranopyrimidines using Recyclable Choline Chloride:Urea Deep Eutectic Solvent. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 716-728.	2.6	41
848	A new entry into the portfolio of α -glucosidase inhibitors as potent therapeutics for type 2 diabetes: Design, bioevaluation and one-pot multi-component synthesis of diamine-bridged coumarinyl oxadiazole conjugates. <i>Bioorganic Chemistry</i> , 2018, 77, 190-202.	4.1	48
849	An Efficient Green Synthesis of Some Functionalized Spiro Chromene Based Scaffolds as Potential Antitubercular Agents. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 699-708.	2.6	8
850	Chemically Sustainable and Green One-Pot Multicomponent Synthesis of Highly Functionalized Polycyclic <i>N</i> -Fused Pyrrolidine Heterocycles. <i>ChemistrySelect</i> , 2018, 3, 662-665.	1.5	9
851	Triphenylphosphine/Isocyanide Mediated Synthesis of Benzo[4,5]imidazo[1,2- <i>a</i>]pyrimidine, Enamine Ketones and Secondary Ketimines. <i>ChemistrySelect</i> , 2018, 3, 946-950.	1.5	2
852	A task-specific biodegradable ionic liquid: a novel catalyst for synthesis of bicyclic ortho-aminocarbonitriles. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1175-1180.	2.2	10

#	ARTICLE	IF	CITATIONS
853	Multicomponent polysaccharide–protein bioconjugation in the development of antibacterial glycoconjugate vaccine candidates. <i>Chemical Science</i> , 2018, 9, 2581-2588.	7.4	44
854	Copper-Promoted Regioselective Synthesis of Polysubstituted Pyrroles from Aldehydes, Amines, and Nitroalkenes via 1,2-Phenyl/Alkyl Migration. <i>Journal of Organic Chemistry</i> , 2018, 83, 2104-2113.	3.2	40
855	Ugi multicomponent reaction to prepare peptide–peptoid hybrid structures with diverse chemical functionalities. <i>Polymer Chemistry</i> , 2018, 9, 482-489.	3.9	30
856	Novel bis(dihydropyrano[3,2- <i>c</i>]chromenes): Synthesis, Antiproliferative Effect and Molecular Docking Simulation. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 498-507.	2.6	36
857	One–pot Three–component Route for the Synthesis of Functionalized 4- <i>H</i> -chromenes Catalyzed by $\text{ZrOCl}_2 \cdot 8\text{H}_2\text{O}$ in Water. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 522-529.	2.6	12
858	Two-Step Macrocyclic Synthesis by Classical Ugi Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 1441-1447.	3.2	34
859	Green multicomponent synthesis of four different classes of six-membered <i>N</i> -containing and <i>O</i> -containing heterocycles catalyzed by an efficient chitosan-based magnetic bionanocomposite. <i>Pure and Applied Chemistry</i> , 2018, 90, 387-394.	1.9	80
860	Concise Synthesis of Macrocycles by Multicomponent Reactions. <i>Synthesis</i> , 2018, 50, 1027-1038.	2.3	6
861	Malononitrile dimer as a privileged reactant in design and skeletal diverse synthesis of heterocyclic motifs. <i>Molecular Diversity</i> , 2018, 22, 207-224.	3.9	26
862	Targeting Transient Receptor Potential Vanilloid 1 (TRPV1) Channel Softly: The Discovery of Passerini Adducts as a Topical Treatment for Inflammatory Skin Disorders. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4436-4455.	6.4	28
863	Four-component stereoselective synthesis of tetracyano-substituted piperidines. <i>Research on Chemical Intermediates</i> , 2018, 44, 5623-5634.	2.7	14
864	Anchoring high density sulfonic acid based ionic liquid on the magnetic nano-magnetite (Fe_3O_4), application to the synthesis of hexahydroquinoline derivatives. <i>Journal of Molecular Liquids</i> , 2018, 262, 484-494.	4.9	31
865	Synthesis of novel spiro[benzo[4,5]thiazolo[3,2- <i>a</i>]chromeno[2,3- <i>d</i>]pyrimidine-14,3'-indoline]-1,2'-diol-13(2H)-one. <i>Tetrahedron Letters</i> , 2018, 59, 119-123.	1.9	23
866	Selective Formation of Monoacylated Diols through a Mild Passerini Reaction. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3022-3030.	2.4	8
867	Exploring Ugi-Azide Four-Component Reaction Products for Broad-Spectrum Influenza Antivirals with a High Genetic Barrier to Drug Resistance. <i>Scientific Reports</i> , 2018, 8, 4653.	3.3	25
868	One-pot regioselective synthesis of 2,4-disubstituted quinolines <i>via</i> copper(II)-catalyzed cascade annulation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1713-1718.	4.5	20
869	The multicomponent Debus–Radziszewski reaction in macromolecular chemistry. <i>Polymer Chemistry</i> , 2018, 9, 1927-1933.	3.9	48
870	Heteropolyacid-Containing Ionic Liquid-Catalyzed Multicomponent Synthesis of Bridgehead Nitrogen Heterocycles: Mechanisms and Mitochondrial Staining. <i>Journal of Organic Chemistry</i> , 2018, 83, 4044-4053.	3.2	61

#	ARTICLE	IF	CITATIONS
871	Synthesis of 2-((4-ethoxybenzo[d][1,3]dioxol-5-yl)methyl)pyran-3-carbonitrile Derivatives and Their Biological Evaluation. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1189-1192.	2.6	14
872	Efficient Synthesis of Novel Polyfunctionalized Pyrazole Derivatives via Isocyanide-Based Three-Component Reaction. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 213-218.	2.6	4
873	Room temperature multicomponent synthesis of diverse propargylamines using magnetic CuFe ₂ O ₄ nanoparticle as an efficient and reusable catalyst. <i>Chinese Chemical Letters</i> , 2018, 29, 197-200.	9.0	29
874	Tributylphosphane-promoted [3 + 2] annulation of 3-hydroxyoxindoles with acrylates: Synthesis of spirocyclic oxindole-lactones. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 27-33.	5.2	3
875	Integrative Theory/Experiment-Driven Exploration of a Multicomponent Reaction towards Imidazoline-2-(thi)ones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 104-112.	2.4	2
876	Isocyano-functionalized, 1,8-naphthalimide-based chromophore as efficient ratiometric fluorescence probe for Hg ²⁺ in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3074-3084.	7.8	27
877	A viable and efficacious catalyst, CeO ₂ /HAp, for green synthesis of novel pyrido[2,3-d]pyrimidine derivatives. <i>Research on Chemical Intermediates</i> , 2018, 44, 1397-1409.	2.7	16
878	A novel micro-flow system under microwave irradiation for continuous synthesis of 1,4-dihydropyridines in the absence of solvents via Hantzsch reaction. <i>Chemical Engineering Journal</i> , 2018, 331, 161-168.	12.7	39
879	Optimal affinity ranking for automated virtual screening validated in prospective D3R grand challenges. <i>Journal of Computer-Aided Molecular Design</i> , 2018, 32, 287-297.	2.9	14
880	Anchor Query: Rapid online virtual screening for small-molecule protein-protein interaction inhibitors. <i>Protein Science</i> , 2018, 27, 229-232.	7.6	29
881	A green and efficient synthesis of isoxazol-5(4H)-one derivatives in water and a DFT study. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 455-469.	2.2	19
882	One-pot palladium-catalyzed synthesis of functionalized 10H-pyrido[1,2-a]quinoxalin-10-ones under copper-free conditions. <i>Tetrahedron</i> , 2018, 74, 150-156.	1.9	10
883	Catalyst-Controlled Structural Divergence: Selective Intramolecular 7-endo-dig and 6-exo-dig Post-Ugi Cyclization for the Synthesis of Benzoxazepinones and Benzoxazinones. <i>Journal of Organic Chemistry</i> , 2018, 83, 57-68.	3.2	32
884	6,6'-Thiobis(methylene)- β -cyclodextrin dimer as a dimeric host and reusable promoter for synthesis of chromenones in water. <i>Tetrahedron</i> , 2018, 74, 194-198.	1.9	7
885	HMF in multicomponent reactions: utilization of 5-hydroxymethylfurfural (HMF) in the Biginelli reaction. <i>Green Chemistry</i> , 2018, 20, 485-492.	9.0	54
886	Ball-milling and cheap reagents breathe green life into the one hundred-year-old Hofmann reaction. <i>Organic Chemistry Frontiers</i> , 2018, 5, 531-538.	4.5	17
887	One-Pot Synthesis of 2,3,5-Trisubstituted Thiophenes through Three-Component Assembly of Aryl aldehydes, Elemental Sulfur, and 1,3-Dicarbonyls. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 796-800.	4.3	47
888	Library-to-Library Synthesis of Highly Substituted β -Aminomethyl Tetrazoles via Ugi Reaction. <i>ACS Combinatorial Science</i> , 2018, 20, 70-74.	3.8	15

#	ARTICLE	IF	CITATIONS
889	A convergent synthesis of vinyloxyimidazopyridine <i>via</i> Cu(<i>scp</i>)-catalyzed three-component coupling. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1088-1092.	2.8	16
890	A green multicomponent synthesis of tocopherol analogues with antiproliferative activities. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1888-1902.	5.5	15
891	Synthesis of six- and seven-membered and larger heterocycles using Au and Ag catalysts. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 541-568.	1.6	46
892	Green Synthesis of Pyrano[2,3- <i>c</i>]pyrazoles and Spiro[indoline-3,4'-pyrano[2,3- <i>c</i>]pyrazoles] Using Nano-silica Supported 1,4-Diazabicyclo[2.2.2]octane as a Novel Catalyst. <i>Organic Preparations and Procedures International</i> , 2018, 50, 578-587.	1.3	16
893	One-Pot Pseudo Five Component Synthesis of Biologically Relevant 1,2,6-Triaryl-4-arylamino-piperidine-3-carboxylates: A Decade Update. <i>ChemistrySelect</i> , 2018, 3, 9892-9910.	3.5	22
894	Er(OTf) ₃ -Catalyzed Multicomponent Synthesis of 3,4-Dihydro-2 <i>H</i> -pyran <i>via</i> Hetero-Diels-Alder Reaction under Ambient Temperature. <i>ChemistrySelect</i> , 2018, 3, 3652-3658.	1.5	6
895	Levulinic Acid as Sustainable Feedstock in Polymer Chemistry. <i>ACS Symposium Series</i> , 2018, , 331-338.	0.5	4
896	Direct synthesis of indenenes <i>via</i> a rhodium-catalyzed multicomponent C _{sp2} -H annulation reaction. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8042-8047.	2.8	10
897	Vanillin derived a carbonate dialdehyde and a carbonate diol: novel platform monomers for sustainable polymers synthesis. <i>RSC Advances</i> , 2018, 8, 34297-34303.	3.6	15
898	Construction of Azepino[2,3- <i>b</i>]indole Core <i>via</i> Sulfur Ylide Mediated Annulations. <i>Organic Letters</i> , 2018, 20, 7628-7632.	4.6	49
899	Betti Bases from 4-(3-Pyridazo)-1-naphthol: Synthesis, Coordination Behaviour and Unusual Substitution Reactions. <i>ChemistrySelect</i> , 2018, 3, 12017-12021.	1.5	3
900	Application of Silver Nanoparticles in the Multicomponent Reaction Domain: A Combined Catalytic Reduction Methodology to Efficiently Access Potential Hypertension or Inflammation Inhibitors. <i>ACS Omega</i> , 2018, 3, 16005-16013.	3.5	17
901	Synthesis of indole-cycloalkyl[<i>b</i>]pyridine hybrids <i>via</i> a four-component six-step tandem process. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2907-2915.	2.2	11
902	Die katalytische enantioselektive Ugi-Vierkomponentenreaktionen. <i>Angewandte Chemie</i> , 2018, 130, 16502-16504.	2.0	5
903	One-pot synthesis of phosphorylsuccinates and triphenylphosphanylidenesuccinates containing a thioamido group. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 731-739.	1.6	2
904	Amino- β -lactams in Ugi reaction: An efficient method for preparation of functionalized peptidomimetics. <i>Tetrahedron</i> , 2018, 74, 7495-7506.	1.9	3
905	Fe(III)-Catalyzed Bicyclization of Yne-Allenones With Indoles for the Atom-Economic Synthesis of 3-Indolyl Cyclobutarenes. <i>Frontiers in Chemistry</i> , 2018, 6, 599.	3.6	5
906	Aminoazole-Based Diversity-Oriented Synthesis of Heterocycles. <i>Frontiers in Chemistry</i> , 2018, 6, 527.	3.6	53

#	ARTICLE	IF	CITATIONS
907	The Catalytic Enantioselective Ugi Four-Component Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16266-16268.	13.8	32
908	Multicomponent synthesis of unsymmetrical 5-nitropyridines. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 1127-1130.	1.2	8
909	Mn-mediated sequential three-component domino Knoevenagel/cyclization/Michael addition/oxidative cyclization reaction towards annulated imidazo[1,2- <i>a</i>]pyridines. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 3078-3087.	2.2	7
910	Ugi/Palladium-Catalysed Intramolecular Cyclopropyl Direct Alkenylation Cascade Reaction Providing Access to Azacycles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 452, 022128.	0.6	0
911	Polymer Functionalization. <i>Polymers and Polymeric Composites</i> , 2018, , 1-51.	0.6	1
912	Decarboxylative Coupling of Cyclic α -Amino Acid with Aldehyde and Kojic Acid: Direct Access to 2-Pyrrolidinyl and 2-Piperidinyl Kojic Acid Derivatives. <i>ChemistrySelect</i> , 2018, 3, 13110-13112.	1.5	2
913	DABCO-Catalysed One-Pot Eco-Friendly Synthetic Strategies for Accessing Pyranochromenone and Bis(benzochromenone) Compounds. <i>ChemistrySelect</i> , 2018, 3, 12830-12835.	1.5	11
914	A Simple and Efficient Synthesis of Highly Substituted Indeno[1,2- <i>b</i>]pyrrole and Acenaphtho[1,2- <i>b</i>]pyrrole Derivatives by Tandem Three-Component Reactions. <i>Molecules</i> , 2018, 23, 3031.	3.8	9
915	Brønsted Acid-Promoted Multicomponent Reaction for the Construction of Pyrrolocoumarin Derivatives. <i>Heterocycles</i> , 2018, 96, 501.	0.7	5
916	A Passerini/Michael Pathway towards Butyrolactones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6457-6464.	2.4	5
917	Glutarimide Alkaloids Through Multicomponent Reaction Chemistry. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6714-6719.	2.4	15
918	A bidirectional access to novel thiadiazine hybrid molecules by double multicomponent reactions. <i>Tetrahedron Letters</i> , 2018, 59, 4050-4053.	1.4	9
919	Lipase from Porcine Pancreas: An Efficient Biocatalyst for the Synthesis of α -Aminocarbonitriles. <i>ChemistrySelect</i> , 2018, 3, 10378-10382.	1.5	9
920	An Efficient One-Pot Three-Component Synthesis of Some New 3-(Benzo[<i>d</i>]thiazol-2-yl)-2-alkyl-4(3H)-quinazolinones Using Silica Sulfuric Acid as a Heterogeneous Catalyst. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 2647-2651.	2.6	3
921	Constructing reduction-sensitive PEGylated NIRF mesoporous silica nanoparticles via a one-pot Passerini reaction for photothermal/chemo-therapy. <i>Chemical Communications</i> , 2018, 54, 11921-11924.	4.1	16
922	1,4-Conjugate addition/esterification of <i>ortho</i> -quinone methides in a multicomponent reaction. <i>Chemical Communications</i> , 2018, 54, 11753-11756.	4.1	29
923	Facile synthesis of novel 3,4,5-trisubstituted-1,2,4-triazin-6(1H)-ones via a sequential Ugi-Smiles type/nucleophilic substitution/cyclization reaction. <i>New Journal of Chemistry</i> , 2018, 42, 17533-17537.	2.8	5
924	Stereoselective Construction of Complex Spirooxindoles via Bisthiourea Catalyzed Three-Component Reactions. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1182-1186.	4.9	14

#	ARTICLE	IF	CITATIONS
925	Indium(III) Chloride: An Efficient Catalyst for One-Pot Multicomponent Synthesis of 2,3-dihydroquinazoline-4(1H)-ones. <i>Current Organocatalysis</i> , 2018, 5, 137-144.	0.5	15
926	Visible Light Irradiation: A Greenâ€Pathwayâ€Promoted Pseudo Four Component Synthesis of Chromeno[4,3,2â€<i>de</i>][1,6]naphthyridine Derivatives under Mild, and Catalystâ€Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 11059-11064.	1.5	9
927	Palladium-Catalyzed Three-Component Reaction: A Novel Method for the Synthesis of <i>N</i>-Acyl Propiolamides. <i>Organic Letters</i> , 2018, 20, 7117-7120.	4.6	21
928	Iodineâ€Catalyzed Oneâ€Pot Fourâ€Component Synthesis of Spiro[indolineâ€3,4â€pyranoâ€pyrazole] Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 2772-2780.	2.6	15
929	Iminium Ion and <i>N</i>-Hydroxyimide as the Surrogate Components in DEAD-Promoted Oxidative Ugi Variant. <i>Journal of Organic Chemistry</i> , 2018, 83, 13121-13131.	3.2	17
930	Microwave-mediated synthesis of a cyclic heptapeptoid through consecutive Ugi reactions. <i>Tetrahedron</i> , 2018, 74, 6861-6865.	1.9	15
931	Synthesis of Glycomimetics by Diastereoselective Passerini Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 13146-13156.	3.2	17
932	Three-Component Reactions to Spirocyclic Pyrrolidinonylformimidamides: Î±-Isocyano Lactams as Two-Atom Unit in Silver-Catalyzed Formal [3 + 2] Cycloaddition Reactions. <i>Organic Letters</i> , 2018, 20, 7192-7196.	4.6	8
933	Multicomponent Reactions Accelerated by Aqueous Micelles. <i>Frontiers in Chemistry</i> , 2018, 6, 502.	3.6	80
934	Acid-mediated four-component tandem cyclization: Access to multifused 1,3-benzoxazine frameworks. <i>Tetrahedron</i> , 2018, 74, 7283-7289.	1.9	10
935	Bran-New Four-Molecule and Five-Molecule Cascade Reactions for One-Pot Synthesis of Pyrano[3,2- <i>c</i>]chromen-5-ones and Spiro[benzo[<i>b</i>][1,4]diazepine-2,2â€pyrano[3,2-<i>c</i>]chromen]-5â€-ones under Catalyst- and Solvent-Free Conditions. <i>ACS Omega</i>, 2018, 3, 13494-13502.</i></i></i>	3.5	7
936	Gold Catalyzed Multicomponent Reactions beyond A3 Coupling. <i>Molecules</i> , 2018, 23, 2255.	3.8	29
937	Enantioselective synthesis of indolo[2,3- <i>b</i>]-dihydrothiopyranones via [3+3] cycloaddition of chiral Î±,Î²-unsaturated acylammonium salts. <i>Tetrahedron</i>, 2018, 74, 6804-6808.</i>	1.9	13
938	Stereochemistry of the Levy Reaction. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6297-6303.	2.4	5
939	Highly Efficient Energy Transfer Cassettes by Assembly of Boronic Acid Derived Salicylidenehydrazone Complexes. <i>ChemPhotoChem</i> , 2018, 2, 1038-1045.	3.0	5
940	Stereoselective one-pot synthesis of polycyanosubstituted piperidines. <i>Monatshefte FÃ¼r Chemie</i> , 2018, 149, 1979-1989.	1.8	11
941	Ca(II)-Mediated Regioselective Oneâ€Pot Sequential Annulation of Acyclic compounds to Polycyclic Fluorenopyrans. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4422-4428.	4.3	19
942	Construction of Fully Substituted 2-Pyridone Derivatives via Four-Component Branched Domino Reaction Utilizing Microwave Irradiation. <i>Journal of Organic Chemistry</i> , 2018, 83, 12535-12548.	3.2	25

#	ARTICLE	IF	CITATIONS
943	Bicyclic Heterocycles from Levulinic Acid through a Fast and Operationally Simple Diversity-Oriented Multicomponent Approach. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5445-5455.	2.4	17
944	Borylated reagents for multicomponent reactions. <i>Drug Discovery Today: Technologies</i> , 2018, 29, 51-60.	4.0	17
945	Asymmetric phosphoric acid-catalyzed four-component Ugi reaction. <i>Science</i> , 2018, 361, .	12.6	150
946	Synthesis of 2-Tetrazolyl-Substituted 3-Acylpyrroles via a Sequential Ugi-Azide/Ag-Catalyzed Oxidative Cycloisomerization Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 12921-12930.	3.2	20
947	Theophylline Supported on Modified Silica-Coated Magnetite Nanoparticles as a Novel, Efficient, Reusable Catalyst in Green One-Pot Synthesis of Spirooxindoles and Phenazines. <i>ChemistrySelect</i> , 2018, 3, 9236-9248.	1.5	23
948	Recent advances of the Povarov reaction in medicinal chemistry. <i>Drug Discovery Today: Technologies</i> , 2018, 29, 71-79.	4.0	69
949	Phosphorus Radical-Initiated Cascade Reaction To Access 2-Phosphoryl-Substituted Quinoxalines. <i>Journal of Organic Chemistry</i> , 2018, 83, 11727-11735.	3.2	69
950	Crystal Structure of Ethyl 2,4-Dimethyl-1-phenyl-6-thioxo-1,6-dihydropyrimidine-5-carboxylate: The Product from the Reaction of Ethyl 3-Aminocrotonate, Phenylisothiocyanate and Acetic Anhydride. <i>Journal of Chemical Crystallography</i> , 2018, 48, 91-95.	1.1	2
951	Multicomponent Synthesis of Tetrahydroisoquinolines. <i>Organic Letters</i> , 2018, 20, 3460-3464.	4.6	41
952	An expeditious access of 2,5-dioxo-5,6,7,8-tetrahydro-1H-spiro[indoline-3,4-quinoline]-3-carboxylate by reaction of isatin, ethyl cyanoacetate and enaminone in water. <i>Tetrahedron</i> , 2018, 74, 3596-3601.	1.9	15
953	Catalyst-free three-component synthesis of highly functionalized 2,3-dihydropyrroles. <i>Green Chemistry</i> , 2018, 20, 2775-2780.	9.0	10
954	One-Pot Selective Synthesis of Multisubstituted Quinoxalin-2(1H)-ones by a Ugi 4CR/Catalytic Aza-Wittig Sequence. <i>Synlett</i> , 2018, 29, 1447-1450.	1.8	10
955	Multicomponent Reactions in Ligation and Bioconjugation Chemistry. <i>Accounts of Chemical Research</i> , 2018, 51, 1475-1486.	15.6	102
956	Synthesis and antitumoral activity of novel analogues monastrol-fatty acids against glioma cells. <i>MedChemComm</i> , 2018, 9, 1282-1288.	3.4	24
957	Crystal structure of 1-benzyl-3-((4-bromophenyl)amino)-4-(4-methoxyphenyl)-1 <i>H</i> -pyrrole-2,5-dione, C ₂₄ H ₁₉ BrN ₂ O ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 71-72.	0.3	1
958	An efficient and green approach for the synthesis of 2,4-dihydropyrano[2,3- <i>c</i>]pyrazole-3-carboxylates using Bi ₂ O ₃ /ZrO ₂ as a reusable catalyst. <i>RSC Advances</i> , 2018, 8, 16336-16343.	3.6	29
959	Convenient one-pot MCRs to trifluoromethylated spiropiperidine under catalyst-free conditions. <i>Tetrahedron</i> , 2018, 74, 3761-3769.	1.9	15
960	Facile access to regio- and stereoselective synthesis of highly functionalized spiro[indoline-3,2-pyrrolidines] incorporating a pyrene moiety: experimental, photophysical and theoretical approach. <i>RSC Advances</i> , 2018, 8, 24116-24127.	3.6	14

#	ARTICLE	IF	CITATIONS
961	Iodine-promoted five-component reaction using fragment assembly strategy to construct dihydrooxepines. <i>Tetrahedron</i> , 2018, 74, 4323-4330.	1.9	8
962	Synthesis of some new triamide derivatives via Ugi five-component reaction in aqueous solution. <i>Molecular Diversity</i> , 2018, 22, 999-1006.	3.9	6
963	Organocatalytic Asymmetric Four-Component [5+1+1+1] Cycloadditions via a Quintuple Cascade Process. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3526-3533.	4.3	23
964	Three-Component Synthesis of Quinolines Based on Radical Cascade Visible-Light Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3553-3562.	4.3	27
965	A Minimalist Approach to the Design of Complexity-Enriched Bioactive Small Molecules: Discovery of Phenanthrenoid Mimics as Antiproliferative Agents. <i>ChemMedChem</i> , 2018, 13, 1732-1740.	3.2	2
966	Cu(BTC)-MOF catalyzed multicomponent reaction to construct 1,4-disubstituted-1,2,3-triazoles. <i>Polyhedron</i> , 2018, 151, 515-519.	2.2	22
967	The Rigidins: Isolation, Bioactivity, and Total Synthesis—Novel Pyrrolo[2,3- <i>d</i>]Pyrimidine Analogues Using Multicomponent Reactions. <i>The Alkaloids Chemistry and Biology</i> , 2018, 79, 191-220.	2.0	5
968	Nano-ovalbumin: a green biocatalyst for biomimetic synthesis of tetrahydrodipyrzolo pyridines in water. <i>Research on Chemical Intermediates</i> , 2018, 44, 7065-7077.	2.7	17
969	A Combination of Furfuryl Cation Induced Three-Component Reactions and Photocatalyst-Free Photoisomerization To Construct Complex Triazoles. <i>Organic Letters</i> , 2018, 20, 4893-4897.	4.6	13
971	Click and Multicomponent Reactions Work Together for Polymer Chemistry. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800163.	2.2	52
972	Multicomponent Reactions in the Synthesis of Complex Fused Coumarin Derivatives. <i>Current Organic Synthesis</i> , 2018, 15, 21-37.	1.3	24
973	Cu(I)-Catalyzed Three-Component Reaction of Diazo Compound with Terminal Alkyne and Nitrosobenzene for the Synthesis of Trifluoromethyl Dihydroisoxazoles. <i>Organic Letters</i> , 2018, 20, 4843-4847.	4.6	35
974	Methyl isocyanide as a convertible functional group for the synthesis of spirocyclic oxindole β -lactams via post-Ugi-4CR/transamidation/cyclization in a one-pot, three-step sequence. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 875-883.	2.2	7
975	Microwave-promoted solvent free one-pot synthesis of triazolo[1,2- <i>a</i>] indazole-triones catalyzed by silica-supported La _{0.5} Ca _{0.5} CrO ₃ nanoparticles as a new and reusable perovskite-type oxide. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2018, 32, 239.	1.1	4
976	Dihydroindeno[1,2- <i>b</i>]pyrroles: new Al ³⁺ -selective off-on chemosensors for bio-imaging in living HepG2 cells. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5920-5931.	2.8	23
977	Functional Poly(ester-amide)s with Tertiary Ester Linkages via the Passerini Multicomponent Polymerization of a Dicarboxylic Acid and a Diisocyanide with Different Electron-Deficient Ketones. <i>Macromolecules</i> , 2018, 51, 5842-5851.	4.8	33
978	Multicomponent Reactions and Multicomponent Cascade Reactions for the Synthesis of Sequence-Controlled Polymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800362.	3.9	65
979	A facile and efficient multicomponent approach to 5-[5-hydroxy-3-(trifluoromethyl)-1H-pyrazol-4-yl]-5H-chromeno[2,3- <i>b</i>]pyridines. <i>Journal of Fluorine Chemistry</i> , 2018, 213, 31-36.	1.7	10

#	ARTICLE	IF	CITATIONS
980	Metal-Free One-Pot Four-Component Cascade Annulation in Ionic Liquids at Room Temperature: Convergent Access to Thiazoloquinolinone Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 7950-7961.	3.2	18
981	Iron promoted C3-H nitration of 2-H-indazole: direct access to 3-nitro-2-H-indazoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5113-5118.	2.8	41
982	Ag ₂ O on ZrO ₂ as a Recyclable Catalyst for Multicomponent Synthesis of Indenopyrimidine Derivatives. <i>Molecules</i> , 2018, 23, 1648.	3.8	19
983	Recent progress in the synthesis of thiazolo[3,2-a]pyrimidine compounds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 292, 012038.	0.6	3
984	Petasis three-component reactions for the synthesis of diverse heterocyclic scaffolds. <i>Drug Discovery Today: Technologies</i> , 2018, 29, 27-33.	4.0	14
985	Water-PEG-400 Mediated an Efficient One-Pot Eco-Friendly Synthesis of Functionalized Isoxazole Substituted Chromeno[2,3-b]pyridine-3-carboxylate Derivatives. <i>ChemistrySelect</i> , 2018, 3, 7766-7770.	1.5	6
986	Diversity-Oriented Synthesis of Functionalized Imidazopyridine Analogues with Anti-Cancer Activity through a Transition-Metal Free, One-Pot Cascade Reaction. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3655-3661.	4.3	10
987	A one-pot access to pyridine/benzo fused cyclododecanes via multi-component tandem reactions. <i>Tetrahedron</i> , 2018, 74, 4569-4577.	1.9	9
988	Iridium-catalyzed reductive Ugi-type reactions of tertiary amides. <i>Nature Communications</i> , 2018, 9, 2841.	12.8	75
989	A 3D supramolecular assembly of Co(II) MOF constructed with 2,5-pyridinedicarboxylate strut and its catalytic activity towards synthesis of tetrahydrobiphenylene-1,3-dicarbonitriles. <i>Inorganica Chimica Acta</i> , 2018, 482, 830-837.	2.4	11
990	Artificial Macrocycles. <i>Synlett</i> , 2018, 29, 1136-1151.	1.8	23
991	Magnetic guanidinylated chitosan nanobiocomposite: A green catalyst for the synthesis of 1,4-dihydropyridines. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 320-326.	7.5	111
992	Towards click chemistry: Multicomponent reactions via combinations of name reactions. <i>Tetrahedron</i> , 2018, 74, 3391-3457.	1.9	50
993	Crystal structure of ethyl 2-cyano-2-(1,3-dithian-2-ylidene)acetate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 65-68.	0.5	1
994	Ferric Chloride-catalyzed Synthesis of 2-Oxo-1,2-dihydro-1,8-naphthyridine-3-carboxylate Derivatives and Their Biological Evaluation. <i>Russian Journal of General Chemistry</i> , 2018, 88, 1224-1227.	0.8	6
995	Expanding the medicinal chemistry synthetic toolbox. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 709-727.	46.4	391
996	Appendage and Scaffold Diverse Fully Functionalized Small-Molecule Probes via a Minimalist Terminal Alkyne-Aliphatic Diazirine Isocyanide. <i>Journal of Organic Chemistry</i> , 2018, 83, 11245-11253.	3.2	10
997	N-Isocyanodialkylamines generated in situ for the Jølliffe-Ugi reaction with indolenines. <i>Tetrahedron Letters</i> , 2018, 59, 3532-3536.	1.4	7

#	ARTICLE	IF	CITATIONS
998	Materials Functionalization with Multicomponent Reactions: State of the Art. ACS Combinatorial Science, 2018, 20, 499-528.	3.8	89
999	Synthesis of iminoisoindolinones <i>via</i> a cascade of the three-component Ugi reaction, palladium catalyzed isocyanide insertion, hydroxylation and an unexpected rearrangement reaction. Organic and Biomolecular Chemistry, 2018, 16, 6322-6331.	2.8	19
1000	Borax Catalysed Domino Synthesis of Highly Functionalised Spirooxindole and Chromenopyridine Derivatives: X-ray Structure, Hirshfeld Surface Analysis and Molecular Docking Studies. ChemistrySelect, 2018, 3, 8669-8677.	1.5	19
1001	Design, synthesis, and application of 1H-imidazol-3-ium trinitromethanide {[HIMI]C(NO ₂) ₃ } as a recyclable nanostructured ionic liquid (NIL) catalyst for the synthesis of imidazo[1,2-a]pyrimidine-3-carbonitriles. Journal of the Iranian Chemical Society, 2018, 15, 2259-2270.	2.2	7
1002	Diversity Driven Decoration and Ligation of Fullerene by Ugi and Passerini Multicomponent Reactions. Chemistry - A European Journal, 2018, 24, 9788-9793.	3.3	13
1003	Hexafluoroisopropanol as the Acid Component in the Passerini Reaction: One-Pot Access to Î ² -Amino Alcohols. Organic Letters, 2018, 20, 3988-3991.	4.6	30
1004	Real Multicomponent Reactions: Synthesis of Highly Substituted 2-aminothiazoles. European Journal of Organic Chemistry, 2018, 2018, 4673-4682.	2.4	7
1005	Synthesis of highly functionalized strained bicyclic dilactam derivatives. Synthetic Communications, 2018, 48, 1671-1677.	2.1	1
1006	Recent Developments in Acenaphthoquinone-Based Multicomponent Reactions: Synthesis of Spiroacenaphthylene Compounds. Topics in Current Chemistry, 2018, 376, 26.	5.8	5
1007	Wang resin-supported sulfonic acid-catalyzed multicomponent reaction in water leading to 4-oxo-4,5,6,7-tetrahydroindole derivatives. Synthetic Communications, 2018, 48, 1649-1656.	2.1	12
1008	Facile construction of fused benzimidazole-isoquinolinones that induce cell-cycle arrest and apoptosis in colorectal cancer cells. Bioorganic and Medicinal Chemistry, 2018, 26, 3899-3908.	3.0	24
1009	Preparation, characterization and use of new lignocellulose-based bio nanocomposite as a heterogeneous catalyst for sustainable synthesis of pyrimido benzazoles. Green Chemistry Letters and Reviews, 2018, 11, 275-285.	4.7	8
1010	Investigating the Catalytic Performance of Graphene Oxide -Polyaniline -Lignosulfonate Nanocomposite in the Synthesis of Polysubstituted Pyridines via a Four-Component Reaction. ChemistrySelect, 2018, 3, 6349-6357.	1.5	4
1011	Synthesis and characterization of amino glucose-functionalized silica-coated NiFe ₂ O ₄ nanoparticles: a heterogeneous, new and magnetically separable catalyst for the solvent-free synthesis of pyrano[3,2-c]chromen-5(4H)-ones. RSC Advances, 2018, 8, 22313-22320.	3.6	55
1012	Microwave-assisted facile construction of quinoxalinone and benzimidazopyrazinone derivatives via two paths of post-Ugi cascade reaction. Molecular Diversity, 2019, 23, 137-145.	3.9	6
1013	Carboxymethyl cellulose as a green and biodegradable catalyst for the solvent-free synthesis of benzimidazoloquinazolinone derivatives. Journal of Saudi Chemical Society, 2019, 23, 182-187.	5.2	16
1014	A facile solvent-free three-component domino synthesis of novel 2,4-diaryl-5,6-dihydrobenzo[j][1,7]phenanthrolines. Molecular Diversity, 2019, 23, 75-84.	3.9	1
1015	Palladium-catalyzed multicomponent reactions: an overview. Organic and Biomolecular Chemistry, 2019, 17, 8048-8061.	2.8	40

#	ARTICLE	IF	CITATIONS
1016	Synthesis of spiro[2,3-dihydrofuran-3,3'-oxindole] derivatives <i>via</i> a multi-component cascade reaction of α -diazo esters, water, isatins and malononitrile/ethyl cyanoacetate. <i>Green Chemistry</i> , 2019, 21, 4936-4940.	9.0	28
1017	Copper-catalyzed oxidative cleavage of Passerini and Ugi adducts in basic medium yielding α -ketoamides. <i>New Journal of Chemistry</i> , 2019, 43, 14459-14474.	2.8	13
1018	Phenanthridine-Fused Tetracyclic Ring System: Metal-Free Diastereoselective Modular Construction of Highly Constrained Polyheterocycles via Post-Ugi Tandem Modifications. <i>Organic Letters</i> , 2019, 21, 6726-6730.	4.6	28
1019	Isocyanide-Based Multicomponent Reactions of Free Phenylboronic Acids. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6132-6137.	2.4	7
1020	One-Pot Multicomponent Synthesis of Pyrano[2,3- <i>c</i>]pyrazole Derivatives Using CMCSO ₃ H as a Green Catalyst. <i>ChemistrySelect</i> , 2019, 4, 9033-9039.	1.5	16
1021	One-pot synthesis of novel <i>N,N</i> -bis(isoxazol-5-yl)methyl tertiary arylamines via sequential diprop-3-ynylation and 1,3-dipolar cycloaddition from primary amines. <i>Journal of Chemical Research</i> , 2019, 43, 407-411.	1.3	2
1022	2,4,6-Trihydroxybenzoic Acid-Catalyzed Oxidative Ugi Reactions with Molecular Oxygen via Homo- and Cross-Coupling of Amines. <i>Journal of Organic Chemistry</i> , 2019, 84, 11562-11571.	3.2	15
1023	A Mild, Fast, and Scalable Synthesis of Substituted α -Acyloxy Ketones via Multicomponent Reaction Using a Continuous Flow Approach. <i>Frontiers in Chemistry</i> , 2019, 7, 531.	3.6	6
1024	Diversification of Peptidomimetics and Oligopeptides through Microwave-Assisted Rhodium(III)-Catalyzed Intramolecular Annulation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4442-4447.	4.3	21
1025	Three-Component One-Pot Synthesis of Highly Functionalized Bis-Indole Derivatives. <i>ACS Omega</i> , 2019, 4, 11832-11837.	3.5	14
1026	Ultrasound Assisted Green One Pot Synthesis of Bound Type bis-Heterocyclic furan-2-yl imidazo [1,2- <i>a</i>] Pyridines via GBBR. <i>Proceedings (mdpi)</i> , 2018, 9, .	0.2	1
1027	Efforts towards an On-Target Version of the Grobke-Blackburn-Bienaym (GBB) Reaction for Discovery of Druglike Urokinase (uPA) Inhibitors. <i>Chemistry - A European Journal</i> , 2019, 25, 12380-12393.	3.3	11
1028	Deep eutectic solvent promoted synthesis of structurally diverse hybrid molecules with privileged heterocyclic substructures. <i>New Journal of Chemistry</i> , 2019, 43, 12462-12467.	2.8	23
1029	Ni-guanidine@MCM-41 NPs: a new catalyst for the synthesis of 4,4'-E ¹ -(arylmethylene)-bis-(3-methyl-1-phenyl-1H-pyrazol-5-ols) and symmetric di-aryl sulfides. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2673-2681.	2.2	24
1030	A multicomponent synthesis of stereodefined olefins via nickel catalysis and single electron/triplet energy transfer. <i>Nature Catalysis</i> , 2019, 2, 678-687.	34.4	123
1031	Multicomponent Reactions Upon the Known Drug Trimethoprim as a Source of Novel Antimicrobial Agents. <i>Frontiers in Chemistry</i> , 2019, 7, 475.	3.6	18
1032	Diastereoselective synthesis of multisubstituted isoindolines via Sequential Ugi and aza-Michael addition reaction. <i>Tetrahedron</i> , 2019, 75, 4626-4631.	1.9	10
1033	Rapid approach to complex boronic acids. <i>Science Advances</i> , 2019, 5, eaaw4607.	10.3	30

#	ARTICLE	IF	CITATIONS
1034	Divergent Synthesis of Enantioenriched β^2 -Functional Amines via Desymmetrization of meso-Aziridines with Isocyanides. <i>Organic Letters</i> , 2019, 21, 6096-6101.	4.6	32
1035	Tri-fluid mixing in a microchannel for nanoparticle synthesis. <i>Lab on A Chip</i> , 2019, 19, 2936-2946.	6.0	24
1036	Highly functionalized calix[4]arenes via multicomponent reactions: synthesis and recognition properties. <i>RSC Advances</i> , 2019, 9, 19596-19605.	3.6	7
1037	Fixing CO ₂ into β^2 -oxopropylcarbamates in neat condition by ionic gelation/Ag(μ -SCN) ₂ supported on dendritic fibrous nanosilica. <i>RSC Advances</i> , 2019, 9, 16955-16965.	3.6	14
1038	Multicomponent reaction of functionalized chitosan complexed with copper nanoparticles: An efficient catalyst toward A ³ C coupling and click reactions in water. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5074.	3.5	31
1039	Trimethylglycine-Betaine-Based-Catalyst-Promoted Novel and Ecocompatible Pseudo-Four-Component Reaction for Regioselective Synthesis of Functionalized 6,8-Dihydro-1 <i>H</i> -5 <i>H</i> -spiro[[1,3]dioxolo[4,5- <i>g</i>]quinoline-7,5 <i>H</i> -pyrimidine]-2,4,6-trisubstituted-3 <i>H</i> -triazole Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18667-18676.	6.7	37
1040	Three-Component Sequential Reactions for Polymeric Nanoparticles with Tailorable Core and Surface Functionalities. <i>Chem</i> , 2019, 5, 3166-3183.	11.7	6
1041	Isocyano(triphenylphosphoranylidene)acetates: Key to the One-Pot Synthesis of Oxazolo[4,5- <i>c</i>]quinoline Derivatives via a Sequential Ugi/Wittig/aza-Wittig Cyclization Process. <i>Journal of Organic Chemistry</i> , 2019, 84, 14911-14918.	3.2	20
1042	Efficient Synthesis of 3,6-Dihydro-2 <i>H</i> -pyrans via [3+2+1] Annulation Based on the Heteroatom-free Triatom Donor. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5392-5399.	4.3	8
1043	The Groebke-Blackburn-Bienaymé Reaction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7007-7049.	2.4	100
1044	Combining the Ugi-azide multicomponent reaction and rhodium(III)-catalyzed annulation for the synthesis of tetrazole-isoquinoline/pyridone hybrids. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2447-2457.	2.2	10
1045	Sequential MCR via Staudinger/Aza-Wittig versus Cycloaddition Reaction to Access Diversely Functionalized 1-Amino-1 <i>H</i> -imidazole-2(3 <i>H</i>)-Thiones. <i>Molecules</i> , 2019, 24, 3785.	3.8	7
1046	One-pot synthesis of benzimidazole-pyrazines and their anticancer activities. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 3429-3434.	2.6	4
1047	Aromatic C-H Bond Functionalized via Zwitterion Intermediates to Construct Bioindole Containing Continuous Quaternary Carbons. <i>Journal of Organic Chemistry</i> , 2019, 84, 15192-15200.	3.2	11
1048	Efficient Synthesis of 1,4-Dihydropyrano[2,3- <i>c</i>]pyrazoles Using Snail Shell as a Biodegradable and Reusable Catalyst. <i>Organic Preparations and Procedures International</i> , 2019, 51, 566-575.	1.3	14
1049	Facile catalyst-free synthesis of perfluoroalkylated cis-spiropyrimidine-5,1 <i>H</i> -quinolizines and pyrano[2,3- <i>d</i>]pyrimidines. <i>Journal of Fluorine Chemistry</i> , 2019, 228, 109411.	1.7	4
1050	Unimolecular Exciplexes by Ugi Four-Component Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 717.	3.6	2
1051	Assembly of Highly Functionalized Chromenopyranpyrazoles via Multicomponent Quadruple Domino Reaction (MCQDR). <i>ChemistrySelect</i> , 2019, 4, 11822-11825.	1.5	1

#	ARTICLE	IF	CITATIONS
1052	Novel nucleosides as potential inhibitors of fungal lanosterol 14 β -demethylase: an <i>in vitro</i> and <i>in silico</i> study. <i>Future Medicinal Chemistry</i> , 2019, 11, 2663-2686.	2.3	6
1053	Solvent-Controlled Cascade Reaction of Ugi/Pd-Catalyzed Intramolecular Divergent C-H Functionalization for Regioselective Synthesis of Cyclopropanated N-Heterocycles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 612, 022108.	0.6	0
1054	Microwave-Assisted Synthesis and Biological Evaluation of Some New Pyrazolothiazoles via a Multicomponent Approach. <i>ChemistrySelect</i> , 2019, 4, 9878-9881.	1.5	10
1055	Reactivity and Synthetic Applications of Multicomponent Petasis Reactions. <i>Chemical Reviews</i> , 2019, 119, 11245-11290.	47.7	173
1056	From random to rational: A discovery approach to selective subnanomolar inhibitors of human carbonic anhydrase IV based on the Castagnoli-Cushman multicomponent reaction. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111642.	5.5	10
1057	Isocyanide Multicomponent Reactions on Solid-Phase-Coupled DNA Oligonucleotides for Encoded Library Synthesis. <i>Organic Letters</i> , 2019, 21, 7238-7243.	4.6	58
1058	Pd-Schiff base complex supported on Fe ₃ O ₄ magnetic nanoparticles: A new and highly efficient reusable catalyst for C-C bond formation in water. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5158.	3.5	11
1059	Pd-Catalyzed de Novo Assembly of Diversely Substituted Indole-Fused Polyheterocycles. <i>Journal of Organic Chemistry</i> , 2019, 84, 12148-12156.	3.2	14
1060	Four-Component Reactions for the Synthesis of Perfluoroalkyl Isoxazoles. <i>ACS Catalysis</i> , 2019, 9, 9098-9102.	11.2	36
1061	Multicomponent Approach to Libraries of Substituted Dihydroorotic Acid Amides. <i>ACS Combinatorial Science</i> , 2019, 21, 705-715.	3.8	4
1062	Tuning the Biginelli reaction mechanism by the ionic liquid effect: the combined role of supported heteropolyacid derivatives and acidic strength. <i>RSC Advances</i> , 2019, 9, 27125-27135.	3.6	39
1063	Diastereoselective multi-component tandem condensation: synthesis of 2-amino-4-(2-furanone)-4H-chromene-3-carbonitriles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8853-8857.	2.8	8
1064	Completely Stereoselective Synthesis of Sulfonated 1,3-Dihydroisobenzofurans via Radical Multicomponent Reactions. <i>Journal of Organic Chemistry</i> , 2019, 84, 13686-13695.	3.2	29
1065	Synthesis of Pyrazolo-Fused 4-Azafluorenones in an Ionic Liquid. Mechanistic Insights by Joint Studies Using DFT Analysis and Mass Spectrometry. <i>Catalysts</i> , 2019, 9, 820.	3.5	5
1066	Intercepted-Knoevenagel condensation for the synthesis of unsymmetrical fused-tricyclic 4H-pyrans. <i>Tetrahedron</i> , 2019, 75, 130606.	1.9	7
1067	One-Pot-Three-Component Synthesis of 2-(1,2,3,4-Tetrahydroisoquinolin-1-yl)oxazoles via DEAD-Promoted Oxidative Ugi/Wittig Reaction. <i>Journal of Organic Chemistry</i> , 2019, 84, 14313-14319.	3.2	19
1068	One-pot, three-component approach to diarylacetonitriles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 669-673.	4.5	15
1069	A novel multicomponent quadruple/double quadruple domino reaction: highly efficient synthesis of polyheterocyclic architectures. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3884-3893.	2.8	4

#	ARTICLE	IF	CITATIONS
1070	Catalytic One-Pot Double Asymmetric Cascade Reaction: Synthesis of Chlorinated Oxindoles and Geminal Diamines. ACS Catalysis, 2019, 9, 1748-1752.	11.2	24
1071	Raising the Diversity of Ugi Reactions Through Selective Alkylations and Allylations of Ugi Adducts. Frontiers in Chemistry, 2019, 7, 20.	3.6	9
1072	Tetrazoles via Multicomponent Reactions. Chemical Reviews, 2019, 119, 1970-2042.	47.7	403
1073	Improved Rapid and Green Synthesis of <i>N</i> -Aryl Piperazine Hydrochlorides Using Synergistic Coupling of Hydrated Task Specific Ionic Liquid ([Bblm]OH) and Microwave Irradiation. ChemistrySelect, 2019, 4, 1138-1148.	1.5	2
1074	Ionic liquid assisted silver-catalyzed one-pot A3-coupling reactions for the synthesis of propargylamines. Journal of Molecular Liquids, 2019, 279, 289-293.	4.9	15
1075	Multicomponent Efficient Synthesis of New [1,2,4]Triazolo[3,4]thiadiazines. Journal of Heterocyclic Chemistry, 2019, 56, 832-838.	2.6	7
1076	Donepezil+chromone+melatonin hybrids as promising agents for Alzheimer's disease therapy. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 479-489.	5.2	42
1077	Design and preparation of Fe ₃ O ₄ @PVA polymeric magnetic nanocomposite film and surface coating by sulfonic acid via in situ methods and evaluation of its catalytic performance in the synthesis of dihydropyrimidines. BMC Chemistry, 2019, 13, 19.	3.8	39
1078	Multicomponent access to novel proline/cyclized cysteine tethered monastrol conjugates as potential anticancer agents. Journal of Saudi Chemical Society, 2019, 23, 503-513.	5.2	21
1079	Exploiting the Nucleophilicity of the Nitrogen Atom of Imidazoles: One-Pot Three-Component Synthesis of Imidazo-Pyrazines. Molecules, 2019, 24, 1959.	3.8	3
1080	Synthesis, Docking and Biological Evaluation of a Novel Class of Imidazothiazoles as IDO1 Inhibitors. Molecules, 2019, 24, 1874.	3.8	18
1081	Ultrasound-assisted and trisodium citrate dihydrate-catalyzed green protocol for efficient and one-pot synthesis of substituted chromeno[3,4- <i>b</i> :5,6]pyrano[2,3- <i>d</i>]pyrimidines at ambient conditions. Tetrahedron Letters, 2019, 60, 1904-1908.	1.4	29
1082	Multicomponent synthesis of pyrano[2,3- <i>d</i>]pyrimidine derivatives via a direct one-pot strategy executed by novel designed copperated Fe ₃ O ₄ @polyvinyl alcohol magnetic nanoparticles. Materials Today Chemistry, 2019, 13, 110-120.	3.5	98
1083	Multicomponent Ugi Reaction of Indole-N-carboxylic Acids: Expeditious Access to Indole Carboxamide Amino Amides. Organic Letters, 2019, 21, 5269-5272.	4.6	20
1084	The dawn of polymer chemistry based on multicomponent reactions. Polymer Journal, 2019, 51, 945-953.	2.7	62
1085	Iodine-Promoted <i>N</i> -H ₂ -C(sp ³)-Trifunctionalization of <i>L</i> -Proline: Access to 3,4-Dihydrobenzo[<i>b</i>][1,7]naphthyridines via Consecutive Decarboxylation/Ring Opening/Dicyclization. Organic Letters, 2019, 21, 4939-4943.	4.6	23
1086	Modularity: Adding New Dimensions to Total Synthesis. Trends in Chemistry, 2019, 1, 630-643.	8.5	28
1087	Bentonite Clay-Supported Cuprous Iodide Nanoparticles (BENT-CuI NPs): A New Heterogeneous Catalyst in Diversity-Oriented Synthesis of 1, 2, 3-Triazoles in Aqueous Medium. ChemistrySelect, 2019, 4, 7144-7150.	1.5	6

#	ARTICLE	IF	CITATIONS
1088	Polymer Functionalization. <i>Polymers and Polymeric Composites</i> , 2019, , 53-103.	0.6	1
1089	Synthesis of Novel Bis(pyrido[2,1- <i>a</i>]isoquinolines) Linked to Aliphatic or Aromatic Core via Ether Linkage. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 1914-1921.	2.6	5
1090	Solvent-Free One-Pot Tandem Multicomponent Synthesis of Triazolothiadiazinyl Coumarins and Their Antimicrobial Properties. <i>ChemistrySelect</i> , 2019, 4, 5828-5834.	1.5	16
1091	Photoredox-Catalyzed Multicomponent Petasis Reaction with Alkyltrifluoroborates. <i>Organic Letters</i> , 2019, 21, 4853-4858.	4.6	57
1092	An efficient and green protocol for synthesis of novel [1,3]oxazino[5,6- <i>c</i>]quinolin-5-one derivatives using [Et ₃ NH]HSO ₄ as a reusable catalyst. <i>Synthetic Communications</i> , 2019, 49, 2044-2052.	2.1	5
1093	Design and Synthesis of Novel Functionalized Fused Oxazepine and Diazepine Analogues Containing Coumarin Backbone through Domino Reaction. <i>ChemistrySelect</i> , 2019, 4, 6403-6407.	1.5	8
1094	Cu(I)-Catalyzed Three-Component Reaction of α -Diazo Amide with Terminal Alkyne and Isatin Ketimine via Electrophilic Trapping of Active Alkynoate-Copper Intermediate. <i>Organic Letters</i> , 2019, 21, 4571-4574.	4.6	17
1095	Copper-Catalyzed Oxidative Multicomponent Annulation Reaction for Direct Synthesis of Quinazolinones via an Imine-Protection Strategy. <i>Organic Letters</i> , 2019, 21, 4725-4728.	4.6	33
1096	Mechanistic knowledge and noncovalent interactions as the key features for enantioselective catalysed multicomponent reactions: a critical review. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7260-7269.	2.8	48
1097	Zn-Catalyzed Multicomponent K ₂ S ₂ O ₈ Coupling: One-Pot Assembly of Propargylamines Bearing Tetrasubstituted Carbon Centers. <i>ACS Omega</i> , 2019, 4, 10279-10292.	3.5	41
1098	α -Cyanide-less Ugi-Intramolecular Diels-Alder reaction of 5-hydroxymethylfurfural. <i>Tetrahedron Letters</i> , 2019, 60, 1578-1581.	1.4	7
1099	Regioselective C3-H Trifluoromethylation of 2-H-Indazole under Transition-Metal-Free Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7796-7803.	3.2	62
1100	One-Pot Synthesis of Trifluoromethylated Pyrazol-4-yl-pyrrole-2,5-dione Derivatives. <i>Synthesis</i> , 2019, 51, 3345-3355.	2.3	12
1101	Synthesis of α -Fluoroamides with a C-F Quaternary Stereogenic Center by Electrophilic Fluorination: One-Pot Four-Component Strategy. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3654-3657.	2.4	6
1102	A multicomponent two-step strategy for the synthesis of polysubstituted pyrrolo[3,2- <i>c</i>]pyridin-4-ones using a solid acid as a recyclable catalyst. <i>Green Chemistry</i> , 2019, 21, 3109-3115.	9.0	16
1103	Multicomponent reactions (MCRs): a useful access to the synthesis of benzo-fused β -lactams. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1065-1085.	2.2	39
1104	A green protocol for the synthesis of new 1,4-dihydropyridine derivatives using Fe ₂ O ₃ /ZrO ₂ as a reusable catalyst. <i>Research on Chemical Intermediates</i> , 2019, 45, 4555-4572.	2.7	3
1105	Synthesis of 1,5-disubstituted tetrazole-1,2,3 triazoles hybrids via Ugi-azide/CuAAC. <i>Synthetic Communications</i> , 2019, 49, 2086-2095.	2.1	17

#	ARTICLE	IF	CITATIONS
1106	Green synthesis and characterization of supported gold nanoparticles (Au@PS) from Schisandra chinensis fruit extract: An efficient and reusable catalyst for the synthesis of Communications, 2019, 128, 105703.	3.3	13
1107	Effect of substituent dependent molecular structure on anti-corrosive behavior of one-pot multicomponent synthesized pyrimido [2,1-B] benzothiazoles: Computer modelling supported experimental studies. Journal of Molecular Liquids, 2019, 287, 110972.	4.9	42
1108	Enantioselective [4 + 2]-Annulation of Azlactones with Copper-Allenylidenes under Cooperative Catalysis: Synthesis of β -Quaternary α -Acylaminoamides. Organic Letters, 2019, 21, 3361-3366.	4.6	49
1109	Overview of Recent Strategic Advances in Medicinal Chemistry. Journal of Medicinal Chemistry, 2019, 62, 9375-9414.	6.4	108
1110	Direct Construction of Acid-Responsive Poly(indolone)s through Multicomponent Tandem Polymerizations. ACS Macro Letters, 2019, 8, 569-575.	4.8	30
1111	A One-Step, Atom Economical Synthesis of Thieno[2,3- <i>b</i>]pyrimidin-4-amine Derivatives by a Four-Component Reaction. European Journal of Organic Chemistry, 2019, 2019, 3269-3272.	2.4	10
1112	Synthesis of (macro)heterocycles by consecutive/repetitive isocyanide-based multicomponent reactions. Beilstein Journal of Organic Chemistry, 2019, 15, 906-930.	2.2	25
1113	Continuous-Flow Visible Light Organophotocatalysis for Direct Arylation of 2-Hydroxyindazoles: Fast Access to Drug Molecules. ChemSusChem, 2019, 12, 2581-2586.	6.8	39
1114	Multicomponent Reaction Toolbox for Peptide Macrocyclization and Stapling. Chemical Reviews, 2019, 119, 9836-9860.	47.7	209
1115	Ruthenium polypyridyl complex-catalysed aryl alkoxylation of styrenes: improving reactivity using a continuous flow photo-microreactor. Reaction Chemistry and Engineering, 2019, 4, 995-999.	3.7	3
1116	A Green Approach for the Synthesis of Coconut Husk Ash -Twisted Graphene Nanocomposites: Novel Catalysts for Solvent-Free Biginelli Reaction. ChemistrySelect, 2019, 4, 4785-4796.	1.5	19
1117	An eco-friendly approach for synthesis of novel substituted 4H-chromenes in aqueous ethanol under ultra-sonication with 94% atom economy. Journal of Molecular Structure, 2019, 1185, 357-360.	3.6	29
1118	Synthesis of β -Sulfonyl Amides through a Multicomponent Reaction with the Insertion of Sulfur Dioxide under Visible Light Irradiation. Organic Letters, 2019, 21, 1935-1938.	4.6	75
1119	Multicomponent Reaction of α -Aminouracils, Aldehydes and Secondary Amines: Conversion of the Products into Pyrimido[4,5- <i>d</i>]pyrimidines through C-H Amination/Cyclization. ChemistrySelect, 2019, 4, 3381-3386.	1.5	11
1120	MIL-101-SO ₃ H metal-organic framework as a Brønsted acid catalyst in Hantzsch reaction: an efficient and sustainable methodology for one-pot synthesis of 1,4-dihydropyridine. New Journal of Chemistry, 2019, 43, 6806-6814.	2.8	25
1121	Ugi Three-Component Polymerization Toward Poly(β -amino amide)s. ACS Macro Letters, 2019, 8, 427-434.	4.8	29
1122	Reprint of: Acid-mediated four-component tandem cyclization: Access to multifused 1,3-benzoxazine frameworks. Tetrahedron, 2019, 75, 1590-1596.	1.9	0
1123	One-pot pseudo three-component condensation reaction of arylglyoxal monohydrates with 1-ethyl-2-thioxodihydropyrimidine-4,6(1H,5H)-dione for the synthesis of new pyrano[2,3- <i>d</i> :6,5- <i>d'</i>]dipyrimidines as HIV integrase inhibitor-like frameworks using two different environmentally benign catalytic systems. Journal of the Iranian Chemical Society, 2019, 16, 1687-1701.	2.2	11

#	ARTICLE	IF	CITATIONS
1124	Six-Component Azido-Ugi Reaction: from Cyclic Ketimines to Bis-Tetrazole-Derived 5-7-Membered Amines. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2675-2681.	2.4	12
1125	A methanol and protic ionic liquid Ugi multicomponent reaction path to cytotoxic \pm -phenylacetamido amides. <i>RSC Advances</i> , 2019, 9, 7652-7663.	3.6	7
1126	MCR Scaffolds Get Hotter with 18F-Labeling. <i>Molecules</i> , 2019, 24, 1327.	3.8	17
1127	Pyrrolidinodiones in Enol-Ugi, Enol-Passerini, and Anomalous Enol-Passerini Condensations. <i>Proceedings (mdpi)</i> , 2019, 9, 6.	0.2	1
1128	3-(2-(5-Amino-3-aryl-1 <i>H</i> -pyrazol-4-yl)thiazol-4-yl)-2 <i>H</i> -chromen-6-ones as Potential Anticancer Agents: Synthesis, Anticancer Activity Evaluation and Molecular Docking Studies. <i>ChemistrySelect</i> , 2019, 4, 4324-4330.	1.5	10
1129	A microdroplet-accelerated Biginelli reaction: mechanisms and separation of isomers using IMS-MS. <i>Chemical Science</i> , 2019, 10, 4822-4827.	7.4	58
1130	Tandem reaction strategy of the Passerini/Wittig reaction based on the in situ capture of isocyanides: One-pot synthesis of heterocycles. <i>Tetrahedron</i> , 2019, 75, 2748-2754.	1.9	45
1131	The Asymmetric A3(Aldehyde-Alkyne-Amine) Coupling: Highly Enantioselective Access to Propargylamines. <i>Molecules</i> , 2019, 24, 1216.	3.8	35
1132	Synthesis of Structurally Diverse Substituted Aziridinyl Glycoconjugates via Base-Mediated One-Pot Post-Ugi Cyclization. <i>Organic Letters</i> , 2019, 21, 2859-2862.	4.6	7
1133	Pentaerythritol as efficient H-bonding organocatalyst for synthesis of indazolo[2,1-b]phthalazine-trione derivatives. <i>Research on Chemical Intermediates</i> , 2019, 45, 3795-3807.	2.7	5
1134	One-pot synthesis, theoretical study and antimicrobial activity of 5,5- ϵ^2 -(1,4-phenylenebis-(methanylylidene))Bis(3-Aryl(Alkyl)-2-thioxoimidazolidin-4-one) derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 147-155.	1.6	3
1135	One-Pot Synthesis of Triazolobenzodiazepines Through Decarboxylative [3 + 2] Cycloaddition of Nonstabilized Azomethine Ylides and Cu-Free Click Reactions. <i>Molecules</i> , 2019, 24, 601.	3.8	18
1136	The investigation on synthesis of periodic polymers with 1,1-diphenylethylene (DPE) derivatives via living anionic polymerization. <i>Polymer</i> , 2019, 169, 95-105.	3.8	15
1137	Atorvastatin (Lipitor) by MCR. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 389-392.	2.8	49
1138	ZrOCl ₂ ·8H ₂ O as an efficient and recyclable catalyst for the one-pot multicomponent synthesis of novel [1,3]oxazino[5,6- <i>c</i>]quinolin-5-one derivatives. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4755.	3.5	4
1139	Sodium Formate-Catalyzed One-Pot Synthesis of Functionalized Spiro[indoline-3,5- ϵ^2 -pyrido[2,3- <i>c</i>]pyrimidine]/Spiro[acenaphthylene-1,5- ϵ^2 -pyrido[2,3- <i>c</i>]pyrimidine] Derivatives. <i>ChemistrySelect</i> , 2019, 4, 2363-2367.	1.2	12
1140	The influence of the isocynoesters structure on the course of enzymatic Ugi reactions. <i>Bioorganic Chemistry</i> , 2019, 93, 102817.	4.1	6
1141	Acoustic Droplet Ejection Enabled Automated Reaction Scouting. <i>ACS Central Science</i> , 2019, 5, 451-457.	11.3	40

#	ARTICLE	IF	CITATIONS
1142	Consecutive Five-Component Ugi-4CR-CCAL Bâ€C-Catalyzed Aminolysis Sequence and Concatenation with Transition Metal Catalysis in a One-Pot Fashion to Substituted Triamides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2150-2157.	2.4	6
1143	Base Controlled Three-Component Regioselective Synthesis of 2-Imino Thiazolines and 2-Thioxoimidazolin-4-ones. <i>ACS Combinatorial Science</i> , 2019, 21, 269-275.	3.8	6
1144	Modification of boehmite nanoparticles with Adenine for the immobilization of Cu(II) as organic-inorganic hybrid nanocatalyst in organic reactions. <i>Polyhedron</i> , 2019, 163, 98-107.	2.2	47
1145	Sequential Multicomponent Synthesis of 2-(Imidazo[1,5-a]pyridin-1-yl)-1,3,4-oxadiazoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2029-2034.	2.4	8
1146	Multicomponent Reaction for Synthesis of Novel 2-Tosyloxyphenylpyridines. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 1420-1425.	2.6	6
1147	Ultrasound-Assisted One Pot Synthesis of Novel 5-(1-(Substituted) Tetrahydro-2H-pyridin-4-yl)-4,5-dihydro-1H-benzotriazole Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 1426-1435.	0.2	0
1148	Expeditious Multicomponent Synthesis of Xanthone Dimers. <i>Proceedings (mdpi)</i> , 2018, 9, .	0.2	1
1149	Ionic Liquid Mediated Ugi/SN2 Cyclization: Synthesis of 1,2,3-Triazole Containing Novel 2,5-Diketopiperazines. <i>Proceedings (mdpi)</i> , 2019, 41, .	0.2	1
1151	Application of the Cleavable Isocyanide in Efficient Approach to Pyroglutamic Acid Analogues with Potential Biological Activity. <i>Russian Journal of General Chemistry</i> , 2019, 89, 2562-2570.	0.8	8
1153	High-Throughput Solid-Phase Building Block Synthesis for DNA-Encoded Libraries. <i>Organic Letters</i> , 2019, 21, 9353-9357.	4.6	15
1154	Controlled One-Pot Synthesis of Multiple Heterocyclic Scaffolds Based on an Amphiphilic Claisen-Schmidt Reaction Intermediate. <i>ChemistrySelect</i> , 2019, 4, 14021-14026.	1.5	7
1155	Enantio- and diastereoselective synthesis of spiropyrazolones via an organocatalytic [1 + 2 + 3] multicomponent reaction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9217-9225.	2.8	14
1156	Regio- and chemo-selective cyclization of allenic-Ugi products for the synthesis of 3-pyrroline skeletons. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8858-8870.	2.8	10
1157	Controllable synthesis of pyrido[2,3-b]indol-4-ones or indolo[3,2-b]quinolines via formal intramolecular C(sp ²)-H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9960-9965.	2.8	6
1158	A sustainable catalytic enantioselective synthesis of norstatine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9792-9798.	2.8	4
1160	Catalyst-free three-component synthesis of hydroxyalkyltriazolymethylidene barbiturates. <i>Mendeleev Communications</i> , 2019, 29, 655-657.	1.6	2
1161	Synthesis of Highly Substituted Fluoro Chromenones in a One-Pot Four-Component Strategy Using NFSI as a Fluorinating Reagent. <i>ChemistrySelect</i> , 2019, 4, 13768-13771.	1.5	2
1162	Efficient Rapid Access to Biginelli for the Multicomponent Synthesis of 1,2,3,4-Tetrahydropyrimidines in Room-Temperature Diisopropyl Ethyl Ammonium Acetate. <i>ACS Omega</i> , 2019, 4, 22313-22324.	3.5	49

#	ARTICLE	IF	CITATIONS
1164	DBU-functionalized MCM-41-coated nanosized hematite (DBU-F-MCM-41-CNSH): a new magnetically separable basic nanocatalyst for the diastereoselective one-pot four-component synthesis of 2-(<i>N</i> -carbamoylacetamide)-substituted 2,3-dihydrothiophenes. <i>New Journal of Chemistry</i> , 2019, 43, 18559-18570.	2.8	12
1165	Exploiting a multicomponent domino reaction strategy for the tailoring of versatile environmentally sensitive fluorophore-based nicotinonitriles incorporating pyrene and fluorene moieties. <i>RSC Advances</i> , 2019, 9, 40118-40130.	3.6	5
1167	Stereoselective Four-Component Synthesis of Functionalized 2,3-Dihydro-4-Nitropyrroles. <i>Frontiers in Chemistry</i> , 2019, 7, 810.	3.6	5
1168	Amino acids and peptides as reactants in multicomponent reactions: modification of peptides with heterocycle backbones through combinatorial chemistry. <i>Molecular Diversity</i> , 2019, 23, 317-331.	3.9	8
1169	Development of a novel bi-enzymatic silver dendritic hierarchical nanostructure cascade catalytic system for efficient conversion of starch into gluconic acid. <i>Chemical Engineering Journal</i> , 2019, 356, 423-435.	12.7	41
1170	Synthesis, antioxidant and Al^{2+} anti-aggregation properties of new ferulic, caffeic and lipoic acid derivatives obtained by the Ugi four-component reaction. <i>Bioorganic Chemistry</i> , 2019, 85, 221-228.	4.1	19
1171	One-Step Synthesis of Thieno[2,3- <i>d</i>]pyrimidin-4(<i>3H</i>)-ones via a Catalytic Four-Component Reaction of Ketones, Ethyl Cyanoacetate, S_8 , and Formamide. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1524-1528.	6.7	8
1172	Manganese-Catalyzed Multicomponent Synthesis of Pyrroles through Acceptorless Dehydrogenation Hydrogen Autotransfer Catalysis: Experiment and Computation. <i>ChemSusChem</i> , 2019, 12, 3083-3088.	6.8	54
1173	Catalyst-free grinding method: a new avenue for synthesis of 6-amino-3-methyl-4-aryl-1 <i>H</i> -pyrazolo[3,4- <i>b</i>]pyridine-5-carbonitrile and DFT studies on the mechanistic pathway of this category of compounds. <i>Research on Chemical Intermediates</i> , 2019, 45, 1707-1719.	2.7	8
1174	Multicomponent Synthesis of 1,3-Diketone-Linked <i>N</i> -Substituted Pyrroles, Pyrrolo[1,2- <i>a</i>]pyrazines, Pyrrolo[1,4]diazepines, and Pyrrolo[1,4]diazocines. <i>Journal of Organic Chemistry</i> , 2019, 84, 1339-1347.	3.2	18
1175	A Three-Phase Four-Component Coupling Reaction: Selective Synthesis of <i>o</i> -Chloro Benzoates by KCl, Arynes, CO_2 , and Chloroalkanes. <i>Organic Letters</i> , 2019, 21, 345-349.	4.6	32
1176	Synthesis of spiro-2,6-dioxopiperazine and spiro-2,6-dioxopyrazine scaffolds using amino acids in a three-component reaction to generate potential Sigma-1 (1f1) receptor selective ligands. <i>European Journal of Medicinal Chemistry</i> , 2019, 164, 241-251.	5.5	5
1177	Multicomponent synthesis of novel thiazolo[3,2- <i>a</i>]pyridin-8-yl-phosphonates as a model of plant growth regulator. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 111-119.	1.6	3
1178	A Passerini/Tsuji-Trost access to dienamide derivatives. <i>Tetrahedron Letters</i> , 2019, 60, 102-105.	1.4	2
1179	Synthesis of coumarin based Knoevenagel-Ugi adducts by a sequential one pot five-component reaction and their biological evaluation as anti-bacterial agents. <i>Tetrahedron Letters</i> , 2019, 60, 8-12.	1.4	25
1180	Carbonylation of Alkyl Radicals Derived from Organosilicates through Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1789-1793.	13.8	68
1181	Catalytic activity of supra molecular self-assembled Nickel (II) coordination complex in synthesis of indeno-pyrimidine derivatives. <i>Polyhedron</i> , 2019, 158, 464-470.	2.2	11
1182	Melamine-modified chitosan materials: An efficient and recyclable bifunctional organocatalyst for green synthesis of densely functionalized bioactive dihydropyrano[2,3- <i>c</i>]pyrazole and benzylpyrazolyl coumarin derivatives. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 407-421.	7.5	48

#	ARTICLE	IF	CITATIONS
1183	Novel and efficient synthesis of triazolobenzodiazepine analogues through the sequential Ugi 4CR-click-N-arylation reactions. <i>Tetrahedron Letters</i> , 2019, 60, 583-585.	1.4	14
1184	One-pot and regioselective synthesis of polysubstituted 3,4-dihydroquinazolines and 4,5-dihydro-3H-1,4-benzodiazepin-3-ones by sequential Ugi/Staudinger/aza-Wittig reaction. <i>Tetrahedron</i> , 2019, 75, 1072-1078.	1.9	13
1185	Identifying Structural Determinants of Mesomorphism from Focused Libraries of Tripedal Mesogens Prepared via the Passerini Three-Component Reaction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1195-1207.	2.4	0
1186	Stereospecific Synthesis of Highly Substituted Piperazines via an One-Pot Three Component Ring-Opening Cyclization from <i>N</i> -Activated Aziridines, Anilines, and Propargyl Carbonates. <i>Journal of Organic Chemistry</i> , 2019, 84, 1757-1765.	3.2	9
1187	Recent advances in the synthesis of phthalazin-1(2H)-one core as a relevant pharmacophore in medicinal chemistry. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 468-478.	5.5	15
1188	One-pot synthesis of 4,8-dihydropyrano[3,2- <i>b</i>]pyranes and pyridopyrimidines under mild conditions. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 434-437.	1.4	11
1189	A green one-pot synthesis of α -amino nitrile derivatives via Strecker reaction in deep eutectic solvents. <i>Monatshefte für Chemie</i> , 2019, 150, 303-307.	1.8	12
1190	Carbonylation of Alkyl Radicals Derived from Organosilicates through Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 1803-1807.	2.0	22
1191	An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type MCR. <i>Arkivoc</i> , 2019, 2018, 174-183.	0.5	3
1192	Our Contributions in Synthesis of Diverse Heterocyclic Scaffolds by Using Mixed Oxides as Heterogeneous Catalysts. <i>Chemical Record</i> , 2019, 19, 1793-1812.	5.8	17
1193	Palladium-Catalyzed Molybdenum Hexacarbonyl-Mediated Gas-Free Carbonylative Reactions. <i>Synlett</i> , 2019, 30, 141-155.	1.8	45
1194	V-CaHAp as a recyclable catalyst for the green multicomponent synthesis of benzochromenes. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3814-3824.	4.9	17
1195	Facile Synthesis of 7-Aryl-benzo[<i>h</i>]tetrazolo[5,1- <i>b</i>]quinazoline-5,6-dione Fused Polycyclic Compounds by Using a Novel Magnetic Polyurethane Catalyst. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 266-278.	2.6	46
1196	Catalyst-, solvent- and desiccant-free three-component synthesis of novel C-2,N-3 disubstituted thiazolidin-4-ones. <i>Arabian Journal of Chemistry</i> , 2019, 12, 122-133.	4.9	6
1197	Synthesis of various N-heterocycles using the four-component Ugi reaction. <i>Advances in Heterocyclic Chemistry</i> , 2020, 131, 351-403.	1.7	28
1198	One-pot Synthesis and Antibacterial Study of New Cyclohexenone Derivatives Catalyzed by Tetramethylammonium Hydroxide. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 585-593.	2.6	1
1199	Effect of Deformation during Austempering on Bainite Transformation and Retained Austenite in a Medium-Carbon Bainitic Steel. <i>Steel Research International</i> , 2020, 91, 1900353.	1.8	1
1200	Efficient and environmentally sustainable domino protocol for the synthesis of diversified spiroheterocycles with privileged heterocyclic substructures using bio-organic catalyst in aqueous medium. <i>Molecular Diversity</i> , 2020, 24, 1355-1365.	3.9	8

#	ARTICLE	IF	CITATIONS
1201	Base Metal Catalyzed Isocyanide Insertions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 540-558.	13.8	99
1202	Base Metal Catalyzed Isocyanide Insertions. <i>Angewandte Chemie</i> , 2020, 132, 548-566.	2.0	20
1203	Proline and its Derivatives as Organocatalysts for Multi-Component Reactions in Aqueous Media: Synergic Pathways to the Green Synthesis of Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 87-110.	4.3	82
1204	Synthesis of 2-Aminobenzothiazolomethyl Naphthols Using L-Valine Organocatalyst: An Efficient, Versatile and Biodegradable Catalyst. <i>Chemistry Africa</i> , 2020, 3, 53-60.	2.4	5
1205	Investigation of the uncommon basic properties of [Ln(W5O18)2]9+ (Ln= La, Ce, Nd, Gd, Tb) by changing central lanthanoids in the syntheses of pyrazolopyranopyrimidines. <i>Journal of Molecular Structure</i> , 2020, 1199, 126953.	3.6	36
1206	Characterizing the Mineral Assemblages of Hot Spring Environments and Applications to Mars Orbital Data. <i>Astrobiology</i> , 2020, 20, 453-474.	3.0	8
1207	Multicomponent Radziszewski Emulsion Polymerization toward Macroporous Poly(ionic liquid) Catalysts. <i>ACS Macro Letters</i> , 2020, 9, 134-139.	4.8	20
1208	Application of Phosphate Fertilizer Modified by Zinc as a Reusable Efficient Heterogeneous Catalyst for the Synthesis of Biscoumarins and Dihydropyrano[3,2-c]Chromene-3-Carbonitriles under Green Conditions. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 2083-2102.	2.6	21
1209	Shedding light on the use of Cu(salen)-complexes in the A ³ coupling reaction. <i>Dalton Transactions</i> , 2020, 49, 289-299.	3.3	20
1210	12-Tungstoboric acid (H5BW12O40) as an efficient Lewis acid catalyst for the synthesis of chromenopyrimidine-2,5-diones and thioxochromenopyrimidin-5-ones: Joint experimental and computational study. <i>Journal of Molecular Structure</i> , 2020, 1205, 127598.	3.6	18
1211	Silver-Catalyzed Selective Multicomponent Coupling Reactions of Arynes with Nitriles and Isonitriles. <i>Organic Letters</i> , 2020, 22, 642-647.	4.6	12
1212	Fibroin-functionalized magnetic carbon nanotube as a green support for anchoring silver nanoparticles as a biocatalyst for A ³ coupling reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5395.	3.5	15
1213	Domino synthesis of fully substituted pyridines by silver-catalyzed chemoselective hetero-dimerization of isocyanides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 507-512.	4.5	9
1214	One-Pot, Multi-Component Synthesis of Substituted 2-(6-Phenyl-7H-[1,2,4]Triazolo[3,4-b][1,3,4]Thiadiazin-3-yl)-2,3-Dihydrophthalazine-1,4-Diones. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-12.	2.6	10
1215	Magnetic dextrin nanobiomaterial: An organic-inorganic hybrid catalyst for the synthesis of biologically active polyhydroquinoline derivatives by asymmetric Hantzsch reaction. <i>Materials Science and Engineering C</i> , 2020, 109, 110502.	7.3	99
1216	Graphitic Carbon Nitride Decorated with Cu2O Nanoparticles for the Visible Light Activated Synthesis of Ynones, Aminoindolizines, and Pyrrolo [1, 2-a] Quinoline. <i>ACS Applied Nano Materials</i> , 2020, 3, 1191-1202.	5.0	19
1217	Palladium-Catalyzed Three-Component Tandem Coupling-Carboannulation Reaction Leading to Polysubstituted [60]Fullerene-Fused Cyclopentanes. <i>Organic Letters</i> , 2020, 22, 284-289.	4.6	30
1218	An Isocyanide Based Three-component Reaction under Catalyst-free Conditions for Synthesis of New and Stable Trifluoromethylated Ketenimines and 1-Azabutadienes. <i>Organic Preparations and Procedures International</i> , 2020, 52, 37-47.	1.3	0

#	ARTICLE	IF	CITATIONS
1219	Synthesis of furo[3,2- <i>g</i>]chromones under microwave irradiation and their antitumor activity evaluation. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 731-743.	2.6	6
1220	Preparation of a novel magnetic bionanocomposite based on factionalized chitosan by creatine and its application in the synthesis of polyhydroquinoline, 1,4-dihdropyridine and 1,8-dioxo-decahydroacridine derivatives. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 29-46.	7.5	63
1221	Three-Component Reaction of <i>p</i> -Quinone Monoacetals, Amines and Diarylphosphine Oxides to Afford <i>m</i> -(Phosphinyl)anilides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 942-948.	4.3	12
1222	Multicomponent Reactions-Based Modified/Functionalized Materials in the Biomedical Platforms. <i>ACS Applied Bio Materials</i> , 2020, 3, 156-174.	4.6	49
1223	Electrochemical Difunctionalization of Alkenes by a Four-Component Reaction Cascade Mumm Rearrangement: Rapid Access to Functionalized Imides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3465-3469.	13.8	51
1224	Green synthesis of pyrido[2,1- <i>a</i>]isoquinolines and pyrido[1,2- <i>a</i>]quinolins using Fe ₃ O ₄ MNPs as efficient nanocatalyst: Study of antioxidant activity. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 337-345.	2.6	3
1225	Mn(III)-Mediated Regioselective <i>endo</i> -trig Radical Cyclization of <i>o</i> -Vinylaryl Isocyanides to Access <i>2</i> -Functionalized Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 688-694.	4.3	55
1226	Electrochemical Difunctionalization of Alkenes by a Four-Component Reaction Cascade Mumm Rearrangement: Rapid Access to Functionalized Imides. <i>Angewandte Chemie</i> , 2020, 132, 3493-3497.	2.0	11
1227	MnO ₂ on hydroxyapatite: A green heterogeneous catalyst and synthesis of pyran-carboxamide derivatives. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107706.	3.9	32
1228	Advances in synthesis and chemistry of azetidines. <i>Advances in Heterocyclic Chemistry</i> , 2020, 130, 1-74.	1.7	20
1229	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 5787-5795.	2.0	14
1230	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5738-5746.	13.8	81
1231	1,2,3-Triazoles: general and key synthetic strategies. <i>Arkivoc</i> , 2020, 2020, 219-271.	0.5	12
1232	One-Pot and Solvent-Free Hantzsch Condensation Reaction Catalyzed by Mononuclear Dy(III) Complex. <i>ChemistrySelect</i> , 2020, 5, 12302-12306.	1.5	1
1233	Accelerated Reactivity Mechanism and Interpretable Machine Learning Model of <i>N</i> -Sulfonylimines toward Fast Multicomponent Reactions. <i>Organic Letters</i> , 2020, 22, 8480-8486.	4.6	19
1234	Sequential and direct multicomponent reaction (MCR)-based dearomatization strategies. <i>Chemical Society Reviews</i> , 2020, 49, 8721-8748.	38.1	101
1235	A catalyst-free aqueous mediated multicomponent reaction of isocyanide: expeditious synthesis of polyfunctionalized cyclo[<i>b</i>]fused mono-, di- and tricarbazoles. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3720-3726.	4.5	19
1236	The Ugi Three-Component Reaction; a Valuable Tool in Modern Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6525-6554.	2.4	39

#	ARTICLE	IF	CITATIONS
1237	Magnetic $\text{Fe}_3\text{O}_4/\text{Cu-LDH}$ intercalated with Palladium Cysteine: An efficient dual nano catalyst in tandem C N coupling and cyclization progress of synthesis quinolines. Applied Clay Science, 2020, 198, 105841.	5.2	10
1238	Multicomponent synthesis of dispiroheterocycles using a magnetically separable and reusable heterogeneous catalyst. RSC Advances, 2020, 10, 36713-36722.	3.6	5
1239	Copper-catalyzed functionalization of enynes. Chemical Science, 2020, 11, 11380-11393.	7.4	92
1240	ZnFe 2O_4 Nano-Catalyzed One-Pot Multi-Component Synthesis of Substituted Tetrahydropyranoquinoline under Neat Ultrasonic Irradiation. Polycyclic Aromatic Compounds, 2020, 1-9.	2.6	10
1241	Manganese-Catalyzed Multicomponent Synthesis of Tetrasubstituted Propargylamines: System Development and Theoretical Study. Advanced Synthesis and Catalysis, 2020, 362, 3872-3885.	4.3	18
1242	ZnCl $_2$ -catalyzed synthesis of β -dithiocarbamate-alkyl- β -naphthols via the Betti reaction under solvent-free conditions. Tetrahedron Letters, 2020, 61, 152270.	1.4	19
1243	Access to dihydropyrano[3,2-b]pyrrol-5-ones skeletons by N-heterocyclic carbene-catalyzed [3+3] annulations. Chemical Communications, 2020, 56, 9854-9857.	4.1	25
1244	One-Pot Construction of Bis-Heterocycles through Isocyanide Based Multicomponent Reactions. ChemistrySelect, 2020, 5, 8040-8061.	1.5	24
1245	Multicomponent Synthesis of Iminocoumarins via Rhodium-Catalyzed C-H Bond Activation. Journal of Organic Chemistry, 2020, 85, 11006-11013.	3.2	10
1246	Synthesis of methyl 2-((2-(cyclohexylamino)-2-oxo-1-phenylethyl)amino)benzoate. Arkivoc, 2020, 2019, 74-82.	0.5	0
1247	Copper and nickel immobilized on cytosine@MCM-41: as highly efficient, reusable and organic-inorganic hybrid nanocatalysts for the homoselective synthesis of tetrazoles and pyranopyrazoles. Applied Organometallic Chemistry, 2020, 34, e5919.	3.5	52
1248	Intramolecular 6-exo-dig Post-Ugi Cyclization of N-Substituted 2-Alkynamides: Direct Access to Functionalized Morpholinone Glycoconjugates. Organic Letters, 2020, 22, 9258-9262.	4.6	9
1249	Two decades of recent advances of Ugi reactions: synthetic and pharmaceutical applications. RSC Advances, 2020, 10, 42644-42681.	3.6	94
1250	Water Extract of Lemon (WEL) as a Promoter: Green and Regioselective Synthesis of Alkyl 4-(1 H) Tj ETQq1 1 0.784314 rgBT /Overlaid	1.5	7
1251	Easy Access to 2,4-Disubstituted Cyclopentenones by a Gold(III)-Catalyzed A3-Coupling/Cyclization Cascade. Organic Letters, 2020, 22, 9478-9483.	4.6	11
1252	β -Amidoamids as New Replacements of Antibiotics-Research on the Chosen K12, R2-R4 E. coli Strains. Materials, 2020, 13, 5169.	2.9	19
1253	Efficient and Sustainable Synthesis of Spiroannulated Hybrid Molecules with Privileged Substructures using Nanostructured Heterogeneous Catalyst. ChemistrySelect, 2020, 5, 14069-14077.	1.5	0
1254	Fabrication of DABCO functionalized poly(ionic liquids): Vital role of ferric oxides in the formation of mesoporous structure and used as highly efficient and recyclable catalysts for multi-component reactions. Journal of Catalysis, 2020, 391, 312-326.	6.2	25

#	ARTICLE	IF	CITATIONS
1255	Isocyanide Multicomponent Reactions on Solid Phase: State of the Art and Future Application. International Journal of Molecular Sciences, 2020, 21, 9160.	4.1	11
1256	Peculiarities of three-component cyclization of ethyl 4,4,4-trifluoroacetoacetate and 1,2-ethanediamines with 3-methylbutan-2-one. Russian Chemical Bulletin, 2020, 69, 2163-2166.	1.5	8
1257	Anise Essential Oil as a Sustainable Substrate in the Multicomponent Double Povarov Reaction for Julolidine Synthesis. Journal of Organic Chemistry, 2020, 85, 15622-15630.	3.2	14
1258	An Updated Review on the Synthesis and Antibacterial Activity of Molecular Hybrids and Conjugates Bearing Imidazole Moiety. Molecules, 2020, 25, 5133.	3.8	29
1259	A concise and unexpected one-pot methodology for the synthesis of pyrazinone-fused pyridones. Organic Chemistry Frontiers, 2020, 7, 2657-2663.	4.5	11
1260	Advancements in chemical methodologies for the synthesis of 3-arylimidazo[1,2-a]pyridines: an update of the decade. Synthetic Communications, 2020, 50, 3507-3534.	2.1	9
1261	Transition-metal and oxidant-free approach for the synthesis of diverse N-heterocycles by TMSCl activation of isocyanides. RSC Advances, 2020, 10, 29257-29262.	3.6	10
1262	An improved protocol for the synthesis of 3,4-disubstituted isoxazol-5(4H)-ones through L-valine-mediated domino three-component strategy. Journal of Chemical Sciences, 2020, 132, 1.	1.5	11
1263	One-pot, three-component synthesis of polyfunctionalized benzo[h]pyrazolo[3,4- <i>b</i>][1,6]naphthyridine and benzo[g]pyrazolo[3,4- <i>b</i>]quinoline derivatives in the presence of silver nanoparticles (AgNPs). Journal of Heterocyclic Chemistry, 2020, 57, 3961-3969.	2.6	8
1264	Visible light-induced green synthesis of 2-amino-4H-chromenes. Environmental Chemistry Letters, 2020, 18, 2157-2163.	16.2	17
1265	The amine as carbonyl precursor in the chemoenzymatic synthesis of Passerini adducts in aqueous medium. Catalysis Communications, 2020, 145, 106118.	3.3	6
1266	Catalytic mutual multicomponent reaction: facile access to 1- <i>trifluoromethylthiolated</i> ketones. Chemical Communications, 2020, 56, 10552-10555.	4.1	6
1267	Cu(II) immobilized on Fe ₃ O ₄ @HNTs-tetrazole (CFHT) nanocomposite: synthesis, characterization, investigation of its catalytic role for the 1,3 dipolar cycloaddition reaction, and antibacterial activity. RSC Advances, 2020, 10, 26467-26478.	3.6	29
1268	Microwave Assisted One-Pot Multicomponent Synthesis Using ZnO Nanoparticle: An Easy Access to 7-Benzodioxolo[4,5- <i>b</i>]xanthene-9-one and 4-Oxo-tetrahydroindole Scaffolds. ChemistrySelect, 2020, 5, 8864-8874.	1.5	10
1269	Diaminoimidazopyrimidines: Access via the Groebke-Blackburn-Bienaym Reaction and Structural Data Mining. European Journal of Organic Chemistry, 2020, 2020, 5601-5605.	2.4	8
1270	Visible-light-induced selectivity controllable synthesis of diamine or imidazoline derivatives by multicomponent decarboxylative radical coupling reactions. Organic Chemistry Frontiers, 2020, 7, 4043-4049.	4.5	22
1271	Polyethylene glycol (PEG400) Mediated One-Pot Green Synthesis of 4,7-Dihydro-2 <i>H</i> -pyrazolo[3,4- <i>b</i>]pyridines Under Catalyst-free Conditions. ChemistrySelect, 2020, 5, 12407-12410.	1.5	13
1272	Diethyl (2-Amino-3-Cyano-4H-Chromen-4-yl)Phosphonate and Its Halogenated Derivatives as Effective Drug: A Theoretical and an Experimental Spectroscopic Study. Polycyclic Aromatic Compounds, 2020, , 1-18.	2.6	0

#	ARTICLE	IF	CITATIONS
1273	One-pot access to 2-amino-3-arylbenzofurans: direct entry to polyheterocyclic chemical space. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8119-8140.	2.8	7
1274	Controlling the stereochemistry in 2-oxo-aldehyde-derived Ugi adducts through the cinchona alkaloid-promoted electrophilic fluorination. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1963-1973.	2.2	2
1275	Sequential multicomponent catalytic synthesis of pyrrole-3-carboxaldehydes: evaluation of antibacterial and antifungal activities along with docking studies. <i>New Journal of Chemistry</i> , 2020, 44, 16329-16339.	2.8	5
1276	Multicomponent Reactions: "Kinderleicht". <i>Journal of Chemical Education</i> , 2020, 97, 3739-3745.	2.3	30
1277	One Pot Synthesis of Micromolar BACE-1 Inhibitors Based on the Dihydropyrimidinone Scaffold and Their Thia and Imino Analogues. <i>Molecules</i> , 2020, 25, 4152.	3.8	14
1278	Base Promoted Cascade Reaction: A Convenient Route to Hybrid S and N Polyheterocycles. <i>ChemistrySelect</i> , 2020, 5, 11067-11071.	1.5	2
1279	Synthesis of Fused Six-Membered Lactams to Isoxazole and Isoxazoline by Sequential Ugi Four-Component Reaction and Intramolecular Nitrile Oxide Cyclization. <i>Journal of Chemical Education</i> , 2020, 97, 3839-3846.	2.3	4
1280	Synthesis of Chromeno[4,3-b]pyrrol-4(1H)-ones through a Multicomponent Reaction and Cyclization Strategy. <i>ACS Omega</i> , 2020, 5, 21968-21977.	3.5	5
1281	Synthesis of polycyclic indoles via organocatalytic bicyclization of 1-alkynyl-naphthalen-2-ols with nitrones. <i>Chemical Communications</i> , 2020, 56, 11406-11409.	4.1	12
1282	An efficient synthesis of 4,5-diaryl-3,4-dihydropyrimidin-2(1H)-one via a cesium carbonate-promoted direct condensation of 1-aryl-2-propanone with 1,1'-bis-(arylmethylene)diurea. <i>RSC Advances</i> , 2020, 10, 30062-30068.	3.6	2
1283	Solvent-free Synthesis and DFT Studies on Mechanistic Pathway of 4-Aryl-4,10-Dihydroindeno[1,2-b:1',2'-]Pyrazolo[4,3-e]Pyridin-5(1H)-ones. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 3166-3176.	2.6	3
1284	SnCl ₂ ·2H ₂ O catalyzed one-pot three components synthesis of pyrano[4,3-b]chromenes and chromeno[4,3-b]chromenes. <i>Synthetic Communications</i> , 2020, , 1-9.	2.1	2
1285	Catalyst Free, Multicomponent Green Approach to Benzo[a]chromeno[2,3-c:1',2'-]phenazines Using Glycerol as a Recyclable and Biodegradable Promoting Medium. <i>ChemistrySelect</i> , 2020, 5, 14447-14454.	1.5	14
1286	Metal-Free Multicomponent Construction of Tetrahydroisoquinoline-Indole Derivatives via In Situ Generated ortho-Quinonoid Intermediate. <i>ChemistrySelect</i> , 2020, 5, 12514-12520.	1.5	6
1287	Microwave-assisted sequential three-component synthesis of pyrrolyl-substituted chromeno[2,3-c]isoquinolin-5-amines. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 495-498.	1.2	2
1288	Construction of hybrid polycyclic quinolinobenzo[a]phenazinone architectures using solid-state melt reaction (SSMR). <i>Molecular Diversity</i> , 2020, 25, 2447-2458.	3.9	1
1289	Synthesis of new curcumin-based aminocarbonitrile derivatives incorporating 4H-pyran and 1,4-dihydropyridine heterocycles. <i>Molecular Diversity</i> , 2021, 25, 2123-2135.	3.9	7
1290	Biocatalytic tandem multicomponent reactions for one-pot synthesis of 2-Amino-4H-Pyran library and in vitro biological evaluation. <i>Molecular Catalysis</i> , 2020, 491, 110983.	2.0	19

#	ARTICLE	IF	CITATIONS
1291	Effective one-pot synthesis of tetrahydrobenzo[<i>b</i>]pyran derivatives using nickel Schiff-base complex immobilized on iron oxide nanoparticles. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5683.	3.5	14
1292	An expedient synthesis of new imino-thiazolidinone grafted dispiro-pyrrolidine-oxindole/indeno hybrids via a multicomponent [3+2] cycloaddition reaction in a deep eutectic solvent. <i>New Journal of Chemistry</i> , 2020, 44, 7923-7931.	2.8	12
1293	ompg-C3N4/SO3H organocatalyst-mediated green synthesis of 1,2-dihydro-1-arylnaphtho[1,2- <i>e</i>][1,3]oxazin-3-ones under solvent-free and mild conditions: a fast and facile one-pot three-component approach. <i>Monatshefte für Chemie</i> , 2020, 151, 791-798.	1.8	2
1294	Hantzsch-like synthesis of novel bis(hexahydroacridine-1,8-diones), bis(tetrahydrodipyrzolo[3,4- <i>b</i> :4'- <i>e</i>]pyridines), and bis(pyrimido[4,5- <i>b</i> :4'- <i>e</i>]quinolines) incorporating thieno[2,3- <i>b</i> :3'- <i>e</i>]thiophenes. <i>Journal of Chemical Research</i> , 2020, 44, 653-659.	1.3	8
1295	Ruthenium-catalysed multicomponent synthesis of the 1,3-dienyl-6-oxy polyketide motif. <i>Nature Chemistry</i> , 2020, 12, 629-637.	13.6	24
1296	Direct synthesis of completely unsymmetrical triarylmethanes via Fe(III) salt-mediated in situ o-quinone methides process. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5716.	3.5	4
1297	Synthesis of diverse nitrogen fused polycyclic dihydroisoquinoline (DHIQ) derivatives via GBB-based cyclic iminium induced double-annulation cascade. <i>Tetrahedron Letters</i> , 2020, 61, 152101.	1.4	5
1298	Palladium-Catalyzed Divergent Imidoxylation Cyclization of Multifunctionalized Isocyanides: Tunable Access to Oxazol-5(4- <i>H</i>)-ones and Cyclic Ketoimines. <i>Journal of Organic Chemistry</i> , 2020, 85, 7297-7308.	3.2	2
1299	Catalytic Asymmetric Three-component Hydroacyloxylation/ 1,4-Conjugate Addition of Ynamides. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1953-1956.	3.3	10
1300	Synthesis of unsymmetrical urea derivatives via one-pot sequential three-component reactions of cyclic 2-diazo-1,3-diketones, carbodiimides, and 1,2-dihaloethanes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4178-4182.	2.8	6
1301	An Efficient One-Pot Metal-Free Electrophilic Fluorination of 2-Aminothiazolidine-4-one. <i>ChemistrySelect</i> , 2020, 5, 6054-6058.	1.5	3
1302	Recent developments in 1,6-addition reactions of <i>para</i> -quinone methides (<i>p</i> -QMs). <i>Organic Chemistry Frontiers</i> , 2020, 7, 1743-1778.	4.5	195
1303	A Novel and Efficient Isocyanide-Catalyzed Addition Reaction of Enaminones to Isatin Derivatives for Oxindoles Synthesis. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1157-1168.	2.6	1
1304	Copper-Catalyzed Borylative Couplings with C ^α -N Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20278-20289.	13.8	41
1305	Multicomponent synthesis of 4-unsubstituted 5-nitropyridine derivatives. <i>Synthetic Communications</i> , 2020, 50, 2432-2439.	2.1	6
1306	Design and synthesis of new thiazoles by microwave-assisted method: Evaluation as an anti-breast cancer agents and molecular docking studies. <i>Synthetic Communications</i> , 2020, 50, 2488-2501.	2.1	8
1307	Synthesis and Cytotoxicity of Quinazolin-4(3H)-one Based Peptides. <i>Russian Journal of General Chemistry</i> , 2020, 90, 720-724.	0.8	2
1308	Cyclic Imines in Ugi and Ugi-Type Reactions. <i>ACS Combinatorial Science</i> , 2020, 22, 361-400.	3.8	52

#	ARTICLE	IF	CITATIONS
1309	Recent applications of thiourea-based organocatalysts in asymmetric multicomponent reactions (AMCRs). <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5513-5532.	2.8	93
1310	Synthesis of pyrrolidinedione-fused hexahydropyrrolo[2,1- <i>a</i>]isoquinolines via three-component [3 + 2] cycloaddition followed by one-pot <i>N</i> -allylation and intramolecular Heck reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1225-1233.	2.2	9
1311	The Passerini three-component reaction of aldehyde end-functionalized polymers via RAFT polymerization using chain transfer agents featuring aldehyde. <i>Polymer Journal</i> , 2020, 52, 1057-1066.	2.7	7
1312	Synthesis and In Vitro Cytotoxicity and Antibacterial Activity of Novel 1,2,3-Triazol-5-yl-Phosphonates. <i>Molecules</i> , 2020, 25, 2643.	3.8	8
1313	Copper-Catalyzed Borylative Couplings with <i>C</i> -N Electrophiles. <i>Angewandte Chemie</i> , 2020, 132, 20454-20465.	2.0	14
1314	Domino intermolecular and intramolecular Diels-Alder reaction sequence for expedient construction of a pentacyclic framework. <i>Chemical Data Collections</i> , 2020, 28, 100404.	2.3	2
1315	Stereoselective synthesis of fully substituted ethylenes <i>via</i> an Ag-catalyzed 1,6-nucleophilic addition/annulation cascade. <i>Chemical Communications</i> , 2020, 56, 7749-7752.	4.1	11
1316	Nickel salt of phosphomolybdic acid as a bi-functional homogeneous recyclable catalyst for base free transformation of aldehyde into ester. <i>RSC Advances</i> , 2020, 10, 22146-22155.	3.6	14
1317	Synthesis and characterization of terbium doped TiO ₂ nanoparticles and their use as recyclable and reusable heterogeneous catalyst for efficient and environmentally sustainable synthesis of spiroannulated indolo[3,2- <i>c</i>]quinolines-mimetic scaffolds of isocryptolepine. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5836.	3.5	6
1318	Catalyst-Free One-Pot Synthesis of Densely Substituted Pyrazole-Pyrazines as Anti-Colorectal Cancer Agents. <i>Scientific Reports</i> , 2020, 10, 9281.	3.3	12
1319	Copper-Mediated Intramolecular Oxidative β -Functionalization of Ugi Precursor: An Efficient Synthesis of Highly Functionalized 2-Hydroxybenzo[<i>e</i>][1,3]oxazin-4(3H)-one Derivatives. <i>ChemistrySelect</i> , 2020, 5, 6780-6785.	1.5	3
1320	Three-Component Reaction for the Synthesis of Highly Functionalized Propargyl Ethers. <i>Chemistry - A European Journal</i> , 2020, 26, 10199-10204.	3.3	18
1321	Rapid Discovery of Aspartyl Protease Inhibitors Using an Anchoring Approach. <i>ChemMedChem</i> , 2020, 15, 680-684.	3.2	4
1322	Chemical reactions for building small molecules. , 2020, , 35-82.		2
1323	Photoredox-Catalyzed Four-Component Reaction for the Synthesis of Complex Secondary Amines. <i>Organic Letters</i> , 2020, 22, 3318-3322.	4.6	35
1324	Solid-Phase Multicomponent Synthesis of β -Substituted Isoindolinones Generates New Cell-Penetrating Probes as Drug Carriers. <i>ChemMedChem</i> , 2020, 15, 833-838.	3.2	3
1325	Expedition access of chromone analogues <i>via</i> a Michael addition-driven multicomponent reaction. <i>Organic Chemistry Frontiers</i> , 2020, 7, 987-992.	4.5	12
1326	Aryne-Based Multicomponent Coupling Reactions. <i>Synlett</i> , 2020, 31, 750-771.	1.8	18

#	ARTICLE	IF	CITATIONS
1327	Similarity and Competition between Biginelli and Hantzsch Reactions: an Opportunity for Modern Medicinal Chemistry. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3954-3964.	2.4	18
1328	Saturated Five-Membered Thiazolidines and Their Derivatives: From Synthesis to Biological Applications. <i>Topics in Current Chemistry</i> , 2020, 378, 34.	5.8	65
1329	Hantzsch-Like One-Pot Three-Component Synthesis of Heptaazadicyclopenta[a,j]anthracenes: A New Ring System. <i>Synlett</i> , 2020, 31, e1-e1.	1.8	0
1330	Magnetic carbon nanotube as a highly stable and retrievable support for the heterogenization of sulfonic acid and its application in the synthesis of 2- <i>H</i> -tetrazole-5-yl acrylonitrile derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2455-2465.	2.6	10
1331	Synthesis, photophysical and electrochemical properties of donor-acceptor type hydrazinyl thiazolyl coumarins. <i>New Journal of Chemistry</i> , 2020, 44, 7007-7016.	2.8	12
1332	Synthesis of novel heterocyclic compounds containing pyrimidine nucleus using the Biginelli reaction: Antiproliferative activity and docking studies. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2615-2627.	2.6	10
1333	Regioselective Ring Expansion of 3-Ylideneoxindoles with Tosyldiazomethane (TsDAM): A Metal-Free and Greener Approach for the Synthesis of Pyrazolo-[1,5- <i>c</i>]quinazolines. <i>Journal of Organic Chemistry</i> , 2020, 85, 5370-5378.	3.2	12
1334	Copper-mediated synthesis of drug-like bicyclopentanes. <i>Nature</i> , 2020, 580, 220-226.	27.8	174
1335	A Concise Approach to N-Substituted Rhodanines through a Base-Assisted One-Pot Coupling and Cyclization Process. <i>Molecules</i> , 2020, 25, 1138.	3.8	2
1336	One-pot four-component synthesis of polysubstituted thiazoles via cascade Ugi/Wittig cyclization starting from odorless Isocyanotriphenylphosphoranylidene)-acetates. <i>Tetrahedron</i> , 2020, 76, 131101.	1.9	8
1337	Investigation of the reactivity of (1- <i>H</i> -benzo[<i>d</i>]imidazol-2-yl)acetonitrile and (benzo[<i>d</i>]thiazol-2-yl)acetonitrile as precursors for novel bis(benzo[4,5]imidazo[1,2- <i>a</i>]pyridines) and bis(benzo[4,5]thiazolo[3,2- <i>a</i>]pyridines). <i>Synthetic Communications</i> , 2020, 50, 2531-2544.	2.1	11
1338	Copper-catalyzed formation of indolizine derivatives via one-pot reactions of chalcones, benzyl bromides and pyridines. <i>Tetrahedron</i> , 2020, 76, 131347.	1.9	2
1339	One-Pot Synthesis and Antioxidant Properties of Highly Substituted Piperidine Derivatives Promoted by Choline Chloride/Urea. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1560-1569.	2.6	3
1340	Regioselective Synthesis of Polyfunctional Arenes by a 4-Component Catellani Reaction. <i>CheM</i> , 2020, 6, 2097-2109.	11.7	25
1341	DBU catalysis in micellar medium: an environmentally benign synthetic approach for triheterocyclic 4 <i>H</i> -pyrimido[2,1- <i>b</i>]benzothiazole derivatives. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
1342	One-pot synthesis of 1,3,5-triazine-2,4-dithione derivatives via three-component reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1447-1455.	2.2	6
1344	One Reacts as Two: Applications of <i>N</i> -Isocyaniminotriphenylphosphorane in Diversity-Oriented Synthesis. <i>ACS Combinatorial Science</i> , 2020, 22, 475-494.	3.8	15
1345	Synthesis of substituted pyrimidine using $\langle \text{scp} \rangle \text{ZnFe}_{2}\text{O}_{4} \langle \text{scp} \rangle$ nanocatalyst via one pot multi-component reaction ultrasonic irradiation. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 3326-3333.	2.6	11

#	ARTICLE	IF	CITATIONS
1346	One-pot and regioselective synthesis of functionalized 1 ³ -lactams via a metal-free sequential Ugi 4CR/intramolecular 5-exo-dig cyclization reaction. <i>Tetrahedron</i> , 2020, 76, 131389.	1.9	7
1347	Green synthesis of the magnetite (Fe ₃ O ₄) nanoparticle using <i>Rhus coriaria</i> extract: a reusable catalyst for efficient synthesis of some new 2-naphthol bis-Betti bases. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 620-629.	1.6	25
1348	Sustainability by design: automated nanoscale 2,3,4-trisubstituted quinazoline diversity. <i>Green Chemistry</i> , 2020, 22, 2459-2467.	9.0	10
1349	A Set of phenyl sulfonate metal coordination complexes triggered Biginelli reaction for the high efficient synthesis of 3,4-dihydropyrimidin-2(1H)-ones under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5542.	3.5	13
1350	Tandem transformations and multicomponent reactions utilizing alcohols following dehydrogenation strategy. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2193-2214.	2.8	53
1351	Fabrication of Copper-based Silica-coated Magnetic Nanocatalyst for Efficient One-pot Synthesis of Chalcones via A ³ Coupling of Aldehydes-Alkynes-Amines. <i>ChemCatChem</i> , 2020, 12, 2488-2496.	3.7	19
1352	Organocatalytic Cascade Knoevenagel-Michael Addition Reactions: Direct Synthesis of Polysubstituted 2-Amino-4H-Chromene Derivatives. <i>Catalysis Letters</i> , 2020, 150, 2331-2351.	2.6	17
1353	Straightforward Access to a Great Diversity of Complex Biorelevant 1 ³ -Lactams Thanks to a Tunable Cascade Multicomponent Process. <i>Organic Process Research and Development</i> , 2020, 24, 606-614.	2.7	17
1354	Palladium-Catalyzed Four-Component Carbonylative Cyclization Reaction of Trifluoroacetimidoyl Chlorides, Propargyl Amines, and Diaryliodonium Salts: Access to Trifluoromethyl-Containing Trisubstituted Imidazoles. <i>Organic Letters</i> , 2020, 22, 1980-1984.	4.6	46
1355	Microwave-assisted three component synthesis of novel bis-fused quinazolin-8(4H)-ones linked to aliphatic or aromatic spacer via amide linkages. <i>Synthetic Communications</i> , 2020, 50, 893-903.	2.1	10
1356	Environmentally Friendly Organic Chemistry Laboratory Experiments for the Undergraduate Curriculum: A Literature Survey and Assessment. <i>Journal of Chemical Education</i> , 2020, 97, 943-959.	2.3	11
1357	Multicomponent reactions and supramolecular catalyst: A perfect synergy for eco-compatible synthesis of pyrido[2,3-d]pyrimidines in water. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2184-2193.	2.6	16
1358	One-pot synthesis of novel polysubstituted furopyran derivatives via pseudo seven-component reaction (6+1) of isocyanides with bisarylidene Meldrum's acid containing ether groups. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2271-2278.	2.6	6
1359	Automated, Accelerated Nanoscale Synthesis of Iminopyrrolidines. <i>Angewandte Chemie</i> , 2020, 132, 12523-12527.	2.0	3
1360	Automated, Accelerated Nanoscale Synthesis of Iminopyrrolidines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12423-12427.	13.8	17
1361	Multicomponent Peptide Stapling as a Diversity-Driven Tool for the Development of Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie</i> , 2020, 132, 5273-5279.	2.0	6
1362	Ionic liquid-immobilized proline(s) organocatalyst-catalyzed one-pot multi-component Mannich reaction under solvent-free condition. <i>Research on Chemical Intermediates</i> , 2020, 46, 2381-2401.	2.7	18
1363	Guanine-La complex supported onto SBA-15: A novel efficient heterogeneous mesoporous nanocatalyst for one-pot, multi-component Tandem Knoevenagel condensation-Michael addition-cyclization Reactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5504.	3.5	51

#	ARTICLE	IF	CITATIONS
1364	Multicomponent Peptide Stapling as a Diversity-Driven Tool for the Development of Inhibitors of Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5235-5241.	13.8	29
1365	Design and characterization of Fe ₃ O ₄ /GO/Au-Ag nanocomposite as an efficient catalyst for the green synthesis of spirooxindole-dihydropyridines. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5560.	3.5	22
1366	Facile One-Pot Synthesis of Arylsulfonyl-4H-pyrans Catalyzed by Ru Loaded Fluorapatite. <i>ChemistrySelect</i> , 2020, 5, 1786-1791.	1.5	24
1367	Synthesis, characterization, and DFT modeling of novel organic compound thin films derived from 2-amino-4-(2-hydroxy-3-methoxyphenyl)-4H-thiazolo[3,2-a][1,3,5]triazin-6(7H)-one. <i>Optical Materials</i> , 2020, 105, 109915.	3.6	59
1368	Construction of Highly Functionalized Piperazinones via Post-Ugi Cyclization and Diastereoselective Nucleophilic Addition. <i>Journal of Organic Chemistry</i> , 2020, 85, 6910-6923.	3.2	17
1369	Ethyl lactate-involved three-component dehydrogenative reactions: biomass feedstock in diversity-oriented quinoline synthesis. <i>Green Chemistry</i> , 2020, 22, 3074-3078.	9.0	45
1370	Multicomponent Reaction of Pyridinium Salts, <i>o</i> -Nitrostyrenes and Ammonium Acetate under the DBU/Acetic Acid System: Access to 2,4,6-Triarylpyridine Derivatives. <i>ChemistrySelect</i> , 2020, 5, 3600-3604.	1.5	8
1371	Fe ₃ O ₄ @SiO ₂ nanoparticle-immobilized Cu(II)-benzoylthiourea complex as a magnetically reusable catalyst for the synthesis of benzo[d]imidazo[2,1-b]thiazole-1-ium hydroxide derivatives in water. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2105-2117.	2.2	4
1372	Multicomponent reactions in crop protection chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115471.	3.0	20
1373	Brønsted Acid Catalyzed Enantioselective Assembly of Spirochroman-3,3-oxindoles. <i>Organic Letters</i> , 2020, 22, 2925-2930.	4.6	27
1374	Comprehensive Kinetics and a Mechanistic Investigation on the Biological Active Pyrano[2,3-C]Pyrazole Core in the Presence of Both Eco-Friendly Catalyst and Solvent: Experimental Green Protocol. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 791-814.	2.6	7
1375	Pharmacological Screening Identifies SHK242 and SHK277 as Novel Arginase Inhibitors with Efficacy against Allergen-Induced Airway Narrowing In Vitro and In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 374, 62-73.	2.5	7
1376	A Facile L-Proline Catalyzed One-Pot Synthesis of Xanthene and Acridine Based Quinolones via Knoevenagel Condensation Reaction. <i>ChemistrySelect</i> , 2020, 5, 4816-4821.	1.5	7
1377	Structure-based discovery of novel 4-(2-fluorophenoxy)quinoline derivatives as c-Met inhibitors using isocyanide-involved multicomponent reactions. <i>European Journal of Medicinal Chemistry</i> , 2020, 193, 112241.	5.5	21
1378	Ce(OTf) ₃ -Catalyzed Multicomponent Reaction of Alkynyl Carboxylic Acids, <i>tert</i> -Butyl Isocyanide, and Azides for the Assembly of Triazole-Oxazole Derivatives. <i>ACS Combinatorial Science</i> , 2020, 22, 268-273.	3.8	24
1379	6-methylguanamine-Supported CoFe ₂ O ₄ : An Efficient Catalyst for One-Pot Three-Component Synthesis of Isoxazol-5(4 <i>H</i>)-One Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 885-896.	2.6	26
1380	Microwave-assisted efficient and facile synthesis of tetramic acid derivatives via a one-pot post-Ugi cascade reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 663-669.	2.2	3
1381	A green route towards substituted 2-amino-4H-chromenes catalyzed by an organobase (TBD) functionalized mesoporous silica nanoparticle without heating. <i>Research on Chemical Intermediates</i> , 2021, 47, 2161-2172.	2.7	4

#	ARTICLE	IF	CITATIONS
1382	A catalyst-free approach to synthesis of spiroacenaphthylene-pyranopyrazole derivatives in water media. <i>Molecular Diversity</i> , 2021, 25, 121-129.	3.9	4
1383	Preparation of Magnetic Cu(II) Nano-structure (Based on Nano-Fe ₃ O ₄) and Application to the Synthesis of Hexahydroquinoline Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 319-332.	2.6	6
1384	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO ₂) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , 2021, 279, 111603.	7.8	28
1385	Sustainable, three-component, one-pot procedure to obtain active anti-flavivirus agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 112992.	5.5	6
1386	Organo-catalytic synthesis of oxathians from isocyanides, isothiocyanates, and oxiranes. <i>Journal of Sulfur Chemistry</i> , 2021, 42, 1-14.	2.0	2
1387	An insight into the superior performance of ZnO@PEG nanocatalyst for the synthesis of 1,4-dihydropyrano[2,3-c]pyrazoles under ultrasound. <i>Materials Today: Proceedings</i> , 2021, 45, 3898-3903.	1.8	8
1388	The Hantzsch Reaction in Polymer Chemistry: From Synthetic Methods to Applications. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000459.	3.9	20
1389	Cyclative MCRs of Azines and Azinium Salts. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 326-356.	2.4	10
1390	Extended Multicomponent Reactions with Indole Aldehydes: Access to Unprecedented Polyheterocyclic Scaffolds, Ligands of the Aryl Hydrocarbon Receptor. <i>Angewandte Chemie</i> , 2021, 133, 2635-2640.	2.0	4
1391	Extended Multicomponent Reactions with Indole Aldehydes: Access to Unprecedented Polyheterocyclic Scaffolds, Ligands of the Aryl Hydrocarbon Receptor. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2603-2608.	13.8	24
1392	Synthetic enzyme-catalyzed multicomponent reaction for Isoxazol-5(4H)-one Syntheses, their properties and biological application; why should one study mechanisms?. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1514-1531.	2.8	15
1393	Multicomponent reactions (MCR) in medicinal chemistry: a patent review (2010-2020). <i>Expert Opinion on Therapeutic Patents</i> , 2021, 31, 267-289.	5.0	115
1394	Tacrines as Therapeutic Agents for Alzheimer's Disease. V. Recent Developments. <i>Chemical Record</i> , 2021, 21, 162-174.	5.8	18
1395	Development of an efficient, one-pot, multicomponent protocol for synthesis of 8-hydroxy-4-phenyl-1,2-dihydroquinoline derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 534-547.	2.6	2
1396	Effective catalytic approach of NiTiO ₃ photosonocatalyst for the synthesis of indazolo[3,2-b]quinazoline and its photophysical property. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6109.	3.5	1
1398	Synthesis of pyrano[2,3-c]pyrazoles: A review. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 685-705.	2.6	33
1399	One-pot asymmetric synthesis of a hexahydrophenanthridine scaffold containing five stereocenters via an organocatalytic quadruple-cascade reaction. <i>New Journal of Chemistry</i> , 2021, 45, 1168-1171.	2.8	1
1400	N-doped graphene quantum dots modified with CuO (0D)/ZnO (1D) heterojunctions as a new nanocatalyst for the environmentally friendly one-pot synthesis of monospiro derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 1269-1277.	2.8	24

#	ARTICLE	IF	CITATIONS
1401	Three-component heteroannulation for tetrasubstituted furan construction enabled by successive defluorination and dual sulfonylation relay. <i>Green Chemistry</i> , 2021, 23, 935-941.	9.0	34
1402	Triazenyl Alkynes as Versatile Building Blocks in Multicomponent Reactions: Diastereoselective Synthesis of β -Amino Amides. <i>Angewandte Chemie</i> , 2021, 133, 5207-5211.	2.0	2
1403	Advances in Base-Mediated Post-Ugi Transformations via Peptidyl Anion Trapping. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 315-333.	2.7	9
1404	Triazenyl Alkynes as Versatile Building Blocks in Multicomponent Reactions: Diastereoselective Synthesis of β -Amino Amides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5147-5151.	13.8	22
1405	Multicomponent Polymerization for β -Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2000646.	3.9	8
1406	Synthesis of bis(1,5-disubstituted tetrazoles) via double four component Azido-Ugi reaction. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 350-356.	2.6	2
1407	Environmentally Benign Synthesis of 4-Thiazolidinone Derivatives Using a Co/Al Hydrotalcite as Heterogeneous Catalyst. <i>Catalysis Letters</i> , 2021, 151, 1776-1787.	2.6	5
1408	Glutathione-Coated Magnetic Nanoparticles for One-Pot Synthesis of 1,4-Dihydropyridine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 721-734.	2.6	62
1409	One-Pot Metal-Free Synthesis of [1,2,3]triazolo[1,5-a]-quinoxalines by Sequential Ugi-3CR/Alkyne-Azide Cycloaddition Reaction. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 297.	1.3	2
1410	The preparation and characterization of some novel ferrocenil derivatives. <i>Bulletin of Natural Sciences Research</i> , 2021, 11, 17-23.	0.3	0
1411	Multicomponent design of chromeno[2,3-b]pyridine systems. <i>Russian Chemical Reviews</i> , 2021, 90, 94-115.	6.5	25
1412	3-Substituted 2-isocyanopyridines as versatile convertible isocyanides for peptidomimetic design. <i>Chemical Communications</i> , 2021, 57, 6863-6866.	4.1	2
1413	Magnetic metal-organic framework composites: structurally advanced catalytic materials for organic transformations. <i>Materials Advances</i> , 2021, 2, 2153-2187.	5.4	42
1414	Catalyst-free visible-light induced synthesis of nitrogen- and oxygen-containing heterocycles from 1,3-diketones. <i>Environmental Chemistry Letters</i> , 2021, 19, 1831-1837.	16.2	13
1415	Palladium-catalyzed aerobic oxidative α -H/ α -H isocyanide insertion: facile access to pyrrolo[2,1-c][1,4]benzoxazine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4364-4368.	2.8	3
1416	Copper(II) triflate catalyzed three-component reaction for the synthesis of 2,3-diarylquinoline derivatives using aryl amines, aryl aldehydes and styrene oxides. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3255-3262.	2.8	8
1417	Incorporation of Keggin-based $\text{H}_3\text{PW}_{12}\text{O}_{40}$ into bentonite: synthesis, characterization and catalytic applications. <i>RSC Advances</i> , 2021, 11, 11244-11254.	3.6	9
1418	Regioselective Synthesis of 2,3-Dihydrobenzo[<i>f</i>]isoindolones via Ag^+ -Catalyzed Sequential Ugi 4CR/Cascade Radical Cyclization Reaction. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1038-1043.	4.3	3

#	ARTICLE	IF	CITATIONS
1419	Mo@GAA-Fe ₃ O ₄ MNPs: a highly efficient and environmentally friendly heterogeneous magnetic nanocatalyst for the synthesis of polyhydroquinoline derivatives. RSC Advances, 2021, 11, 10497-10511.	3.6	6
1420	Chromene- π -triazole-pyrimidine based chemosensor therapeutics for the <i>in vivo</i> and <i>in vitro</i> detection of Fe ³⁺ ions. New Journal of Chemistry, 2021, 45, 6760-6767.	2.8	4
1421	Facile synthesis and biological evaluation of tryptamine-piperazine-2,5-dione conjugates as anticancer agents. RSC Advances, 2021, 11, 27767-27771.	3.6	1
1422	Multicomponent reactions as a potent tool for the synthesis of benzodiazepines. Organic and Biomolecular Chemistry, 2021, 19, 3318-3358.	2.8	52
1423	An Ugi Reaction/Intramolecular Cyclization/Oxidation Cascade towards Tetrazole-Linked Dibenzoxazepines. Synthesis, 2021, 53, 1980-1988.	2.3	5
1424	Synthesis of trisubstituted hydroxylamines by a visible light-promoted multicomponent reaction. Organic Chemistry Frontiers, 2021, 8, 5982-5987.	4.5	33
1425	Palladium-catalyzed Ugi-type reaction of 2-iodoanilines with isocyanides and carboxylic acids affording N-acyl anthranilamides. Chemical Communications, 2021, 57, 4247-4250.	4.1	6
1426	Formaldehyde in multicomponent reactions. Green Chemistry, 2021, 23, 1447-1465.	9.0	46
1427	Passerini-type reaction of boronic acids enables β -hydroxyketones synthesis. Nature Communications, 2021, 12, 441.	12.8	32
1428	Room temperature ionic liquid promoted improved and rapid synthesis of highly functionalized imidazole and evaluation of their inhibitory activity against human cancer cells. Journal of the Chinese Chemical Society, 2021, 68, 1067-1081.	1.4	12
1429	Green synthesis of 1,4-dihydropyridines using cobalt carbon nanotubes as recyclable catalysts. Environmental Chemistry Letters, 2021, 19, 1903-1910.	16.2	3
1430	Catalyst-free synthesis of novel 1,5-benzodiazepines and 3,4-dihydroquinoxalines using isocyanide-based one-pot, three- and four-component reactions. RSC Advances, 2021, 11, 24466-24473.	3.6	10
1431	Synthesis and Biological Activities of Some New Phosphorus Compounds Containing Pyranopyrazole Moiety. Heterocycles, 2021, 102, 1119.	0.7	6
1432	Recent developments in the synthesis of polysubstituted pyridines <i>via</i> multicomponent reactions using nanocatalysts. New Journal of Chemistry, 2021, 45, 12328-12345.	2.8	42
1433	Recent advances in multi-component reactions and their mechanistic insights: a triennium review. Organic Chemistry Frontiers, 2021, 8, 4237-4287.	4.5	158
1434	Removal of copper ions by functionalized biochar based on a multicomponent Ugi reaction. RSC Advances, 2021, 11, 25880-25891.	3.6	9
1435	Sulfonic Acid and Ionic Liquid Functionalized Covalent Organic Framework for Efficient Catalysis of the Biginelli Reaction. Journal of Organic Chemistry, 2021, 86, 3024-3032.	3.2	85
1436	On-resin multicomponent protocols for biopolymer assembly and derivatization. Nature Protocols, 2021, 16, 561-578.	12.0	16

#	ARTICLE	IF	CITATIONS
1437	Rapid four-component synthesis of dihydropyrano[2,3-c]pyrazoles using nano-eggshell/Ti(IV) as a highly compatible natural based catalyst. BMC Chemistry, 2021, 15, 6.	3.8	10
1438	Synthesis and biological evaluation of the new ring system benzo[<i>f</i>]pyrimido[1,2- <i>d</i>][1,2,3]triazolo[1,5- <i>a</i>][1,4]diazepine and its cycloalkane and cycloalkene condensed analogues. RSC Advances, 2021, 11, 6952-6957.	3.6	7
1439	Modular Assembly of Polyfunctional Arenes with Three Contiguous And Different Substituents by Orchestrating Pd-Catalyzed Multi-Component Domino Reactions. SSRN Electronic Journal, 0, , .	0.4	0
1440	A sequential Ugi-Smiles/transition-metal-free <i>endo-dig</i> Conia-ene cyclization: the selective synthesis of saccharin substituted 2,5-dihydropyrroles. New Journal of Chemistry, 2021, 45, 15647-15654.	2.8	4
1441	PTSA-Catalyzed One Pot Domino Synthesis of Dihydropyrido[2,3- <i>d</i>]pyrimidine Derivatives and their Antimicrobial Activity. Asian Journal of Organic & Medicinal Chemistry, 2021, 6, 222-227.	0.0	0
1442	Ugi Four-Component Reaction Based on the in situ Capture of Amines and Subsequent Modification Tandem Cyclization Reaction: "One-Pot" Synthesis of Six- and Seven-Membered Heterocycles. Chinese Journal of Organic Chemistry, 2021, 41, 2374.	1.3	8
1443	Brønsted Acid Organocatalyzed Three-Component Hydroamidation Reactions of Vinyl Ethers. Journal of Organic Chemistry, 2021, 86, 4171-4181.	3.2	2
1444	Metal-Free-Catalyzed Three-Component [2+2+2] Annulation Reaction of [60]Fullerene, Ketones, and Indoles: Access to Diverse [60]Fullerene-Fused 1,2-Tetrahydrocarbazoles. Organic Letters, 2021, 23, 1775-1781.	4.6	12
1445	PPTS-Catalyzed Bicyclization Reaction of 2-oxo-1-phenyl-1,4,5,6,7,8-hexahydropyrazolo [4- <i>c</i> ,3- <i>e</i> :5,6] pyrano [2,3- <i>d</i>] pyrimidine-3-carboxylate; a green approach. Tetrahedron Letters, 2021, 65, 152754.	4.3	9
1446	Fast and high-efficiency synthesis of 2-substituted benzothiazoles via combining enzyme catalysis and photoredox catalysis in one-pot. Bioorganic Chemistry, 2021, 107, 104607.	4.1	18
1447	One-pot four-component synthesis of methyl 4-(4-chlorophenyl)-5,7-dioxo-1-phenyl-1,4,5,6,7,8-hexahydropyrazolo [4- <i>c</i> ,3- <i>e</i> :5,6] pyrano [2,3- <i>d</i>] pyrimidine-3-carboxylate; a green approach. Tetrahedron Letters, 2021, 65, 152754.	1.4	9
1448	How and Why to Investigate Multicomponent Reactions Mechanisms? A Critical Review. Chemical Record, 2021, 21, 2762-2781.	5.8	24
1449	Secondary Metabolites of Plant Origin Containing Carbazole as Lead Molecule: A Review. Current Traditional Medicine, 2021, 7, 57-71.	0.4	0
1450	β-Cyclodextrin: An Efficient Supramolecular Catalyst for the Synthesis of Pyranoquinolines Derivatives under Ultrasonic Irradiation in Water. Polycyclic Aromatic Compounds, 2022, 42, 4224-4239.	2.6	8
1451	Bio-Fe ₃ O ₄ -MNPs Promoted Green Synthesis of Pyrido[2,1- <i>a</i>]isoquinolines and Pyrido[1,2- <i>a</i>]quinolines: Study of Antioxidant and Antimicrobial Activity. Polycyclic Aromatic Compounds, 2022, 42, 3908-3923.	2.6	15
1452	Synthesis and herbicidal and fungistatic evaluation of Passerini adducts bearing phenoxyacetic moieties. Chemical Papers, 2021, 75, 3047-3059.	2.2	2
1453	Identification of novel thiadiazin derivatives as potentially selective inhibitors towards trypanothione reductase from Trypanosoma cruzi by molecular docking using the numerical index poses ratio Pr and the binding mode analysis. SN Applied Sciences, 2021, 3, 1.	2.9	1
1454	Recent Advances on Fabrication of Polymeric Composites Based on Multicomponent Reactions for Bioimaging and Environmental Pollutant Removal. Macromolecular Rapid Communications, 2021, 42, e2000563.	3.9	5

#	ARTICLE	IF	CITATIONS
1455	A Review of Recent Advances in the Green Synthesis of Azole- and Pyran-based Fused Heterocycles Using MCRs and Sustainable Catalysts. <i>Current Organic Chemistry</i> , 2021, 25, 4-39.	1.6	21
1456	Recent Advances in Multicomponent Reactions with Organic and Inorganic Sulfur Compounds. <i>Chemical Record</i> , 2021, 21, 893-905.	5.8	17
1457	BF ₃ ·OEt ₂ -catalyzed one-pot three-component access to diarylmethylazides. <i>Tetrahedron Letters</i> , 2021, 67, 152820.	1.4	2
1458	Synthesis of Imidazoles from Fatty 1,2- α -diketones. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1647-1652.	2.4	9
1459	Fluorene-Based Multicomponent Reactions. <i>Synlett</i> , 2022, 33, 155-160.	1.8	6
1460	In Silico Design and Selection of New Tetrahydroisoquinoline-Based CD44 Antagonist Candidates. <i>Molecules</i> , 2021, 26, 1877.	3.8	4
1461	Ugi Reaction on β -Phosphorated Ketimines for the Synthesis of Tetrasubstituted β -Aminophosphonates and Their Applications as Antiproliferative Agents. <i>Molecules</i> , 2021, 26, 1654.	3.8	7
1462	Clean One-Pot Multicomponent Synthesis of Pyrans Using a Green and Magnetically Recyclable Heterogeneous Nanocatalyst. <i>SynOpen</i> , 2021, 05, 100-103.	1.7	6
1463	Multicomponent Reactions in Polymer Science. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100104.	3.9	20
1464	Catalytic Asymmetric Hydroacyloxylation/Ring-Opening Reaction of Ynamides, Acids, and Aziridines. <i>Organic Letters</i> , 2021, 23, 2954-2958.	4.6	8
1465	One-Step Modification of Diacid-Functional Polythioethers via Simultaneous Passerini and Esterification Reactions. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100038.	2.2	3
1466	A Four-Component Domino Reaction: An Eco-Compatible and Highly Efficient Construction of 1,8-Naphthyridine Derivatives, Their In Silico Molecular Docking, Drug Likeness, ADME, and Toxicity Studies. <i>Journal of Chemistry</i> , 2021, 2021, 1-16.	1.9	16
1467	A straightforward, environmentally beneficial synthesis of spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-2,10,12-triones mediated by a nano-ordered reusable catalyst. <i>Scientific Reports</i> , 2021, 11, 4820.		6
1468	One-pot approach: Tandem consecutive Ugi-4CR/ACM-type reaction towards the synthesis of functionalised quinoline-2(1H)-one scaffolds. <i>Tetrahedron Letters</i> , 2021, 67, 152889.	1.4	6
1469	Learning the best nanoscale heat engines through evolving network topology. <i>Communications Physics</i> , 2021, 4, .	5.3	4
1470	Hantzsch synthesis of <i>bis</i> (pyrido[2,3- <i>d</i> :6,5- <i>d'</i>]dipyrimidines), <i>bis</i> (pyrimido[4,5- <i>b</i>]quinolines), and <i>bis</i> (benzo[4,5]imidazo[2,1- <i>b</i>]quinazolines) linked to pyrazole units as novel hybrid molecules. <i>Synthetic Communications</i> , 2021, 51, 1899-1912.	2.1	10
1471	(β)-BIGI-3h: Pentatarget-Directed Ligand combining Cholinesterase, Monoamine Oxidase, and Glycogen Synthase Kinase 3 β Inhibition with Calcium Channel Antagonism and Antiaggregating Properties for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1328-1342.	3.5	21
1472	Still Relevant Today: The Asinger Multicomponent Reaction. <i>ChemMedChem</i> , 2021, 16, 1997-2020.	3.2	4

#	ARTICLE	IF	CITATIONS
1473	Solvent-free coupling of aldehyde, alkyne, and amine over a versatile catalyst: Ag-functionalized mesoporous S, P-doped g-C ₃ N ₄ . Research on Chemical Intermediates, 2021, 47, 2917-2933.	2.7	8
1474	Electrochemical TEMPO-Catalyzed Oxidative Ugi-Type Reaction. ACS Organic & Inorganic Au, 0, , .	4.0	6
1475	Three-Component Reactions of 3-Arylidene-3H-Indolium Salts, Isocyanides and Amines. Molecules, 2021, 26, 2402.	3.8	2
1476	Dual Functional Pd-Catalyzed Multicomponent Reaction by Umpolung Chemistry of the Oxygen Atom in Electrophiles. Journal of Organic Chemistry, 2021, 86, 6847-6854.	3.2	5
1477	Unconventional Gold-Catalyzed One-Pot/Multicomponent Synthesis of Propargylamines Starting from Benzyl Alcohols. Catalysts, 2021, 11, 513.	3.5	6
1478	Iron-promoted sulfur sequestration for the substituent-dependent regioselective synthesis of tetrazoles and guanidines. Journal of Sulfur Chemistry, 2021, 42, 499-509.	2.0	2
1479	The Ugly Duckling Metamorphosis: The Ammonia/Formaldehyde Couple Made Possible in Ugi Reactions.. European Journal of Organic Chemistry, 2021, 2021, 2831-2842.	2.4	1
1480	Sulfamic acid pyromellitic diamide-functionalized MCM-41 as a multifunctional hybrid catalyst for melting-assisted solvent-free synthesis of bioactive 3,4-dihydropyrimidin-2-(1H)-ones. Scientific Reports, 2021, 11, 11199.	3.3	16
1481	Dimensional Reduction of Lewis Acidic Metal-Organic Frameworks for Multicomponent Reactions. Journal of the American Chemical Society, 2021, 143, 8184-8192.	13.7	59
1482	Scandium(III)-Triflate-Catalyzed Multicomponent Reactions for the Synthesis of Nitrogen Heterocycles. ChemistrySelect, 2021, 6, 5097-5109.	1.5	9
1483	From Hybrids to New Scaffolds: The Latest Medicinal Chemistry Goals in Multi-target Directed Ligands for Alzheimer's Disease. Current Neuropharmacology, 2021, 19, 832-867.	2.9	8
1484	Effective [3+1+1+1] Cycloaddition to Six-Membered Carbocycle Based on DMSO as Dual Carbon Synthon. Advanced Synthesis and Catalysis, 2021, 363, 3127-3137.	4.3	14
1485	Substrate-dependent regiodivergent three-component condensation of 1H-pyrrole-2,3-diones, malononitrile and 4-hydroxyquinolin-2(1H)-ones. Tetrahedron, 2021, 88, 132129.	1.9	6
1486	Advances in Pyranopyrazole Scaffolds' Syntheses Using Sustainable Catalysts' A Review. Molecules, 2021, 26, 3270.	3.8	30
1487	Recent Advances in Thermoresponsive OEGylated Poly(amino acid)s. Polymers, 2021, 13, 1813.	4.5	6
1488	Novel Pyran-Linked Phthalazinone-Pyrazole Hybrids: Synthesis, Cytotoxicity Evaluation, Molecular Modeling, and Descriptor Studies. Frontiers in Chemistry, 2021, 9, 666573.	3.6	10
1489	Nano-SiO ₂ /DBN: an efficacious and reusable catalyst for one-pot synthesis of tetrahydrobenzo[b]pyran derivatives. BMC Chemistry, 2021, 15, 34.	3.8	18
1490	Multicomponent Synthesis of 1,2-Branched Tertiary and Secondary Amines by Photocatalytic Hydrogen Atom Transfer Strategy. Organic Letters, 2021, 23, 4473-4477.	4.6	23

#	ARTICLE	IF	CITATIONS
1491	Synthesis of 1,8-Dioxo-decahydroacridine Derivatives <i>via</i> Ru-Catalyzed Acceptorless Dehydrogenative Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 9733-9743.	3.2	9
1492	An efficient synthesis of novel spiro[indole-3,8-pyrano[2,3-d][1,3,4]thiadiazolo[3,2-a]pyrimidine derivatives <i>via</i> organobase-catalyzed three-component reaction of malononitrile, isatin and heterocyclic-1,3-diones. <i>Journal of Sulfur Chemistry</i> , 2021, 42, 628-644.	2.0	6
1493	Visible-Light Driven Organo-photocatalyzed Multicomponent Reaction for C(sp ³) ³ H Alkylation of Phosphoramides with <i>in situ</i> Generated Michael Acceptors. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4293-4298.	2.4	5
1494	Potent and Subtype-Selective Dopamine D ₂ Receptor Biased Partial Agonists Discovered via an Ugi-Based Approach. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8710-8726.	6.4	3
1495	Microwave-assisted Organic Synthesis in Water. <i>Current Microwave Chemistry</i> , 2021, 8, 117-127.	0.8	5
1496	Green route for the synthesis of 3-substituted indoles using [bmim]HSO ₄ as non-halogenated ionic liquid. <i>Monatshefte für Chemie</i> , 2021, 152, 659.	1.8	0
1497	Design, Synthesis and Biological Evaluation of Novel α -Acetyloxycarboxamide-Based Derivatives as α -Met Inhibitors. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2241-2250.	4.9	2
1498	Synthesis and Nitrite/Sulfite Electrochemical Response Investigation of Fluorene-Based, Cross-Linked Polyisocyanide. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100173.	3.6	4
1499	N-(Chlorobenzyl) Formamide as an Antituberculosis Agent from Multicomponent Reaction Synthesis. <i>Research Journal of Pharmacy and Technology</i> , 2021, , 3253-3261.	0.8	2
1500	A Compendium of the Most Promising Synthesized Organic Compounds against Several <i>Fusarium oxysporum</i> Species: Synthesis, Antifungal Activity, and Perspectives. <i>Molecules</i> , 2021, 26, 3997.	3.8	6
1501	One-pot synthesis of <i>Acanthus ilicifolius</i> Linn alkaloid 2-benzoxazolinone derivatives via a tandem Ugi 4-component coupling/haloform cyclization. <i>Journal of Chemical Research</i> , 2021, 45, 865-868.	1.3	0
1502	Four-Component Synthesis of Polysubstituted Pyrazin-2(1H)-ones through a Ugi/Staudinger/Aza-Wittig/Isomerization Sequence. <i>Journal of Organic Chemistry</i> , 2021, 86, 10755-10761.	3.2	8
1503	Visible-Light Photocatalytic Ugi/Aza-Wittig Cascade towards 2-Aminomethyl-1,3,4-oxadiazole Derivatives. <i>Synthesis</i> , 2021, 53, 4419-4427.	2.3	4
1504	Highly efficient azido-Ugi multicomponent reactions for the synthesis of bioactive tetrazoles bearing sulfonamide scaffolds. <i>Tetrahedron</i> , 2021, 91, 132243.	1.9	5
1505	Potassium Persulfate Mediated Chemodivergent C-3 Functionalization of 2-H-Indazoles with DMSO as C ₁ Source. <i>Journal of Organic Chemistry</i> , 2021, 86, 10866-10873.	3.2	24
1506	A new tricomponent reaction for the synthesis of symmetric and asymmetric alkyl bisphosphoramidates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 929-935.	1.6	1
1507	Ethylene Glycol: Urea: NH ₄ Cl Low Melting Mixture-Assisted Reactions between Aromatic Aldehydes and Active Methylene Compounds. <i>ChemistrySelect</i> , 2021, 6, 7150-7157.	1.5	0
1508	An Efficient and Rapid Synthesis of 1,4-Dihydropyrano[2,3-c]Pyran and 1,4-Dihydropyrano[2,3-c]Quinoline Derivatives Using Copper Nanoparticles Grafted on Carbon Microspheres. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 4635-4643.	2.6	5

#	ARTICLE	IF	CITATIONS
1509	Combining High-Throughput Synthesis and High-Throughput Protein Crystallography for Accelerated Hit Identification. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18231-18239.	13.8	19
1510	Multifunctional Polymer-Protein Conjugates Generated by Multicomponent Reactions. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2287-2295.	4.9	4
1511	Magnetized melamine-modified polyacrylonitrile (PAN@melamine/Fe ₃ O ₄) organometallic nanomaterial: Preparation, characterization, and application as a multifunctional catalyst in the synthesis of bioactive dihydropyrano [2,3- <i>b</i>]pyrazole and 2-amino-3-cyano-4H-pyran derivatives. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6363.	3.5	35
1512	Combining High-Throughput Synthesis and High-Throughput Protein Crystallography for Accelerated Hit Identification. <i>Angewandte Chemie</i> , 2021, 133, 18379-18387.	2.0	1
1513	Hantzsch-like synthesis of bis(sulfanediyl)bis(tetrahydropyrimido[4,5- <i>b</i>]quinoline-4,6-diones) linked to arene or heteroarene cores utilizing bis(sulfanediyl)bis(6-aminopyrimidin-4-ones) as precursors. <i>Monatshefte für Chemie</i> , 2021, 152, 967-976.	1.8	6
1514	A photosensitized metal free approach to α -ketoamides: sequential oxidative amidation/diketonization of terminal alkynes. <i>ChemistrySelect</i> , 2021, 6, 7499-7504.	1.5	0
1515	Skeletally Tunable Seven-Membered-Ring Fused Pyrroles. <i>Organic Letters</i> , 2021, 23, 6685-6690.	4.6	12
1516	Copper(I)-Catalyzed Intramolecular Cyclization of <i>o</i> -Propargyloxy Diketopiperazines to Access Diverse Diazabicyclic and Spiro-Diketopiperazinochromanes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4190-4196.	4.3	4
1517	Recent trends in the design of antimicrobial agents using Ugi-multicomponent reaction. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100106.	2.8	8
1518	Synthesis of new Hantzsch adducts showing Ca ²⁺ channel blockade capacity, cholinesterase inhibition and antioxidant power. <i>Future Medicinal Chemistry</i> , 2021, 13, 1717-1729.	2.3	3
1519	Aminoesterenamide Achieved by Three-Component Reaction Heading toward Tailoring Covalent Adaptable Network with Great Freedom. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100394.	3.9	3
1520	Pd-catalyzed post-Ugi intramolecular cyclization to the synthesis of isoquinolone-pyrazole hybrid pharmacophores & discover their antimicrobial and DFT studies. <i>Tetrahedron Letters</i> , 2021, 81, 153353.	1.4	11
1521	A comprehensive survey upon diverse and prolific applications of chitosan-based catalytic systems in one-pot multi-component synthesis of heterocyclic rings. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 1003-1166.	7.5	30
1522	Alkylation of in situ generated imines via photoactivation of strong aliphatic C-H bonds. <i>Molecular Catalysis</i> , 2021, 514, 111841.	2.0	7
1523	Anti-tumor compounds identification from gossypol Groebke imidazopyridine product. <i>Bioorganic Chemistry</i> , 2021, 114, 105146.	4.1	3
1524	Synthesis of Indoline-Fused 2,5-Diketopiperazine Scaffolds via Ugi-4CR in the Basic Mediated Tandem Consecutive Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4960-4968.	4.3	7
1525	Photocatalysis in the Life Science Industry. <i>Chemical Reviews</i> , 2022, 122, 2907-2980.	47.7	183
1526	Simple Synthesis of 2-Amino-N'-(9H-Fluoren-9-ylidene)-Hexahydroquinoline-3-Carbohydrazide Derivatives. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-11.	2.6	0

#	ARTICLE	IF	CITATIONS
1527	A robust three-component synthesis of dispiroheterocycles containing aurone scaffold via 1,3-dipolar cycloaddition reaction of azomethine ylides: regioselectivity and mechanistic overview using DFT calculations. Structural Chemistry, 0, , 1.	2.0	4
1528	Passerini Multicomponent Reactions Enabling Self-Reporting Photosensitive Tetrazole Polymers. ACS Macro Letters, 2021, 10, 1159-1166.	4.8	1
1529	Ag-catalyzed Multicomponent Synthesis of Heterocyclic Compounds: A Review. Current Organic Synthesis, 2022, 19, 484-506.	1.3	3
1530	Exploration of novel <scp>TOSMIC</scp> tethered imidazo[1,2-a]pyridine compounds for the development of potential antifungal drug candidate. Drug Development Research, 2022, 83, 525-543.	2.9	8
1531	Ligation, Macrocyclization, and Simultaneous Functionalization of Peptides by Multicomponent Reactions (MCR). Methods in Molecular Biology, 2022, 2371, 143-157.	0.9	1
1532	Photoredox-catalyzed multicomponent Petasis reaction in batch and continuous flow with alkyl boronic acids. IScience, 2021, 24, 103134.	4.1	17
1533	Ultrasound-assisted synthesis of pyrimidines and their fused derivatives: A review. Ultrasonics Sonochemistry, 2021, 79, 105683.	8.2	20
1534	Multicomponent reactions. , 2022, , 443-489.		6
1535	Synthesis of dihydropyrimidinones via multicomponent reaction route over acid functionalized Metal-Organic framework catalysts. Journal of Colloid and Interface Science, 2022, 607, 729-741.	9.4	14
1536	Stereoselectivity of the Biginelli Reaction Catalyzed by Chiral Primary Amine: A Computational Study. Heterocycles, 2021, 103, 893.	0.7	0
1537	The Hantzsch reaction for nitrogen-13 PET: preparation of [¹³ N]nifedipine and derivatives. Chemical Communications, 2021, 57, 4962-4965.	4.1	5
1538	Dendrons containing boric acid and 1,3,5-tris(2-hydroxyethyl)isocyanurate covalently attached to silica-coated magnetite for the expeditious synthesis of Hantzsch esters. Scientific Reports, 2021, 11, 2399.	3.3	18
1539	A new one-pot synthesis of pseudopeptide connected to sulfonamide <i>via</i> the tandem <i>N</i>-sulfonylation/Ugi reactions. New Journal of Chemistry, 2021, 45, 3479-3484.	2.8	11
1540	Synthesis of disubstituted Î ³ -butyrolactones and spirocyclopropanes <i>via</i> a multicomponent reaction of aldehydes, Meldrum's acid and sulfoxonium ylides. Organic Chemistry Frontiers, 2021, 8, 3069-3075.	4.5	8
1541	Three-component synthesis, utilization and biological activity of phosphinoyl-functionalized isoindolinones. Organic and Biomolecular Chemistry, 2021, 19, 8754-8760.	2.8	6
1542	Advances in palladium-catalysed imidoylative cyclization of functionalized isocyanides for the construction of N-heterocycles. Organic and Biomolecular Chemistry, 2021, 19, 6730-6745.	2.8	31
1543	Visible-light-mediated multicomponent reaction for secondary amine synthesis. Chemical Communications, 2021, 57, 5028-5031.	4.1	31
1545	Zirconium@guanine@MCM-41 nanoparticles: An efficient heterogeneous mesoporous nanocatalyst for one-pot, multi-component tandem Knoevenagel condensation-Michael addition-cyclization Reactions. Applied Organometallic Chemistry, 2020, 34, e5704.	3.5	38

#	ARTICLE	IF	CITATIONS
1546	Proteinâ€templated Hit Identification through an Ugi Fourâ€Component Reaction**. Chemistry - A European Journal, 2020, 26, 14585-14593.	3.3	15
1547	Accessing New 5â€substituted Oxindoleâ€Benzylamine Derivatives from Isatin: Stereoselective Organocatalytic Three Component Petasis Reaction. European Journal of Organic Chemistry, 2020, 2020, 3622-3634.	2.4	9
1548	Trimesic acid is a suitable building block in triple four-component Ugi reaction: access to unique trivalent compounds. Monatshefte f�r Chemie, 2020, 151, 397-404.	1.8	1
1549	Quadruple Bond Forming Multicomponent Approach to 5-(3-chromenyl)-5H-chromeno[2,3-b]pyridines and Its Interaction with the Neuropeptide Y1 Receptor. Chemistry of Heterocyclic Compounds, 2020, 56, 1560-1568.	1.2	5
1550	Cinchonine-driven multi-component domino Knoevenagelâ€Michael strategy: metal-free synthesis of quinoline-based 4H-pyran and tetrahydro-4H-chromene derivatives. Research on Chemical Intermediates, 2020, 46, 2025-2034.	2.7	6
1551	Benzene-1,3,5-tricarboxylic acid-functionalized MCM-41 as a novel and recoverable hybrid catalyst for expeditious and efficient synthesis of 2,3-dihydroquinazolin-4(1H)-ones via one-pot three-component reaction. Research on Chemical Intermediates, 2020, 46, 3891-3909.	2.7	22
1552	Improving small molecule virtual screening strategies for the next generation of therapeutics. Current Opinion in Chemical Biology, 2018, 44, 87-92.	6.1	32
1553	An acid-catalyzed 1,4-addition isocyanide-based multicomponent reaction in neat water. Green Chemistry, 2020, 22, 3716-3720.	9.0	23
1554	Levulinic acid: a sustainable platform chemical for novel polymer architectures. Polymer Chemistry, 2020, 11, 4068-4077.	3.9	71
1555	Photoinduced strategies towards strained molecules. Organic Chemistry Frontiers, 2020, 7, 2531-2537.	4.5	44
1556	A novel substrate directed multicomponent reaction for the syntheses of tetrahydro-spiro[pyrazolo[4,3- <i>f</i>]quinoline]-8,5â€pyrimidines and tetrahydro-pyrazolo[4,3- <i>f</i>]pyrimido[4,5- <i>b</i>]quinolines <i>via</i> selective multiple Câ€C bond formation under metal-free conditions. RSC Advances, 2020, 10, 19600-19609.	3.6	32
1557	Competitive ways for three-component cyclization of polyfluoroalkyl-3-oxo esters, methyl ketones and amino alcohols. Pure and Applied Chemistry, 2020, 92, 1265-1275.	1.9	10
1558	Modern Catalysts in A³- Coupling Reactions. Current Organic Chemistry, 2020, 23, 2783-2801.	1.6	12
1559	Recent Advances and Perspectives in the Silver-catalyzed Multi-component Reactions. Current Organic Chemistry, 2020, 24, 291-313.	1.6	9
1560	Recent Advances in Biginelli-type Reactions. Current Organic Chemistry, 2020, 24, 1331-1366.	1.6	12
1561	Microwave: A Green Contrivance for the Synthesis of N-Heterocyclic Compounds. Current Organic Chemistry, 2020, 24, 2527-2554.	1.6	14
1562	Recent Advances in On-Water Multicomponent Synthesis of Coumarin Derivatives. Current Organic Chemistry, 2020, 24, 2601-2611.	1.6	10
1563	An Atom-economic Efficient Synthesis of 1-Amidoalkyl-2-naphthols Mediated By Hexachlorocyclotriphosphazene (HCCP) as a Novel Catalyst. Letters in Organic Chemistry, 2019, 16, 846-850.	0.5	8

#	ARTICLE	IF	CITATIONS
1564	Expeditious Synthesis of 2-Amino-4H-chromenes and 2-Amino-4H-pyran-3- carboxylates Promoted by Sodium Malonate. <i>Current Organic Synthesis</i> , 2019, 16, 793-800.	1.3	16
1565	Multicomponent Reactions for the Synthesis of Bioactive Compounds: A Review. <i>Current Organic Synthesis</i> , 2019, 16, 855-899.	1.3	115
1566	L-Cysteine Catalyzed Environmentally Benign One-pot Multicomponent Approach Towards the Synthesis of Dihydropyrano[2,3-c]pyrazole Derivatives. <i>Current Organic Synthesis</i> , 2020, 17, 457-463.	1.3	11
1567	Recent Synthetic Approaches and Biological Evaluations of Amino Hexahydroquinolines and Their Spirocyclic Structures. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 875-915.	1.7	6
1568	Lemon Peel Powder: A Natural Catalyst for Multicomponent Synthesis of Coumarin Derivatives. <i>Current Organocatalysis</i> , 2020, 7, 140-148.	0.5	4
1569	Microwave-accelerated Carbon-carbon and Carbon-heteroatom Bond Formation via Multi-component Reactions: A Brief Overview. <i>Current Microwave Chemistry</i> , 2020, 7, 23-39.	0.8	16
1570	The Pictet-Spengler Reaction Updates Its Habits. <i>Molecules</i> , 2020, 25, 414.	3.8	57
1571	Synthesis of Biologically Active Molecules through Multicomponent Reactions. <i>Molecules</i> , 2020, 25, 505.	3.8	121
1572	Diastereoselective Synthesis of Poly-Substituted syn-Imidazolidine-2-thiones via Microwave-Assisted Three-Component [2+2+1] Heterocyclizations. <i>Heterocycles</i> , 2019, 99, 267.	0.7	2
1573	Facile one-pot four-component synthesis of 3,4-dihydro-2-pyridone derivatives: Novel urease inhibitor scaffold. <i>Research in Pharmaceutical Sciences</i> , 2017, 12, 353.	1.8	14
1574	Efficient Synthesis of Novel 3-Substituted Coumarin-3-carboxamide. <i>Journal of the Korean Chemical Society</i> , 2014, 58, 186-192.	0.2	7
1575	An Improved Protocol on the Synthesis of Thiazolo[3,2-a]pyrimidine Using Ultrasonic Probe Irradiation. <i>Journal of the Korean Chemical Society</i> , 2016, 60, 245-250.	0.2	9
1576	Synthesis of Novel 2-amino-6-oxo-3-(piperidinyla-midino)-4-aryl-6,7-dihydro-pyrano[2,3-d]-5,7-thiazol Derivatives by Domino Reaction under Microwave Irradiation. <i>International Research Journal of Pure and Applied Chemistry</i> , 2016, 11, 1-8.	0.2	3
1577	Divergent Ritter-type amination <i>via</i> photoredox catalytic four-component radical-polar crossover reactions. <i>Green Chemistry</i> , 2021, 23, 9571-9576.	9.0	13
1578	Cesium salt of 2-molybdo-10-tungstophosphoric acid as an efficient and reusable catalyst for the synthesis of uracil derivatives via a green route. <i>RSC Advances</i> , 2021, 11, 33980-33989.	3.6	8
1579	Synthesis and Theoretical Study of Novel Imidazo[4,5-b]pyrazine-Conjugated Benzamides as Potential Anticancer Agents. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 1487-1494.	0.8	1
1580	The reactivity of isocyanides with pentafluoropyridine. <i>Monatshefte für Chemie</i> , 2021, 152, 1369-1375.	1.8	2
1581	A Facile One-Pot Synthesis of Benzimidazole-Linked Pyrrole Structural Motifs <i>via</i> Multicomponent Approach: Design, Synthesis, and Molecular Docking Studies. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 7034-7048.	2.6	3

#	ARTICLE	IF	CITATIONS
1582	[DBUH][OAc]-Catalyzed Domino Synthesis of Novel Benzimidazole Incorporated 3,5-Bis (Arylidene)-4-Piperidones as Potential Antitubercular Agents. Polycyclic Aromatic Compounds, 2022, 42, 7010-7024.	2.6	2
1583	Facile Multicomponent Polymerizations toward Multifunctional Heterochain Polymers with β,γ -Unsaturated Amidines. Macromolecules, 2021, 54, 9906-9918.	4.8	3
1584	Fe ₃ O ₄ @chitosan-tannic acid bionanocomposite as a novel nanocatalyst for the synthesis of pyranopyrazoles. Scientific Reports, 2021, 11, 20021.	3.3	40
1585	Consecutive Betti/Bargellini multicomponent reactions: an efficient strategy for the synthesis of naphtho[1,2-f][1,4]oxazepine scaffolds. Chemical Papers, 0, , 1.	2.2	3
1586	Dehydrative Beckmann rearrangement and the following cascade reactions. Chinese Chemical Letters, 2022, 33, 2407-2410.	9.0	8
1587	A review of the R ₃ Si-NH-SiR ₃ -type disilazanes: From synthesis to applications. Journal of Organometallic Chemistry, 2022, 961, 122127.	1.8	10
1588	Unprecedented Multicomponent Reaction of Indoles, CS ₂ and Nitroarenes: Stereoselective Synthesis of (Z)-2-((Arylamino)methylene)indoline-2-thiones. Chemistry - an Asian Journal, 2021, 16, 3890-3894.	3.3	6
1589	Assembly of polyfunctional arenes with three contiguous and different substituents by Pd-catalyzed four-component reactions. Cell Reports Physical Science, 2021, , 100615.	5.6	1
1590	Preparation and characterization of graphitic carbon nitride-supported l-arginine as a highly efficient and recyclable catalyst for the one-pot synthesis of condensation reactions. Scientific Reports, 2021, 11, 19792.	3.3	22
1591	Synthesis of Arylmethylidene-isoxazol-5(4H)-ones via Three-Component Reaction in Water Catalyzed by Sodium Tetraborate. Open Journal of Organic Chemistry, 2013, 1, 6.	0.0	2
1592	Synthesis of a Novel Chitosan-Based Polymer and Application as a Matrix for Controlled Drug Delivery. Jordan Journal of Pharmaceutical Sciences, 2013, 6, 233-241.	1.1	0
1594	Research and Development of Domino Radical Cyclization Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 895-901.	0.1	1
1595	A multi-component reaction for the direct access to 4,4'-(phenylmethylene)bis(1H-pyrazol-5-ol)-3-carboxylates using nano-NiZr ₄ (PO ₄) ₆ in water. Scientia Iranica, 2018, .	0.4	0
1596	A facile pseudo three component reaction for the synthesis of benzo [4,5]imidazo[1,2-a]pyridine derivatives. MOJ Bioorganic & Organic Chemistry, 2018, 2, .	0.1	0
1597	Ionic Liquid Effect in Catalysed Multicomponent Reactions. RSC Catalysis Series, 2019, , 377-392.	0.1	0
1598	One-Pot Three-Component Synthesis of 3-(1H-Benzo[d]imidazol-2-yl)chromen Derivatives. Chinese Journal of Organic Chemistry, 2019, 39, 3299.	1.3	1
1599	Crystal structure and Hirshfeld surface analysis of two 5,11-methanobenzo[<i>g</i>][1,2,4]triazolo[1,5- <i>c</i>][1,3,5]oxadiazocine derivatives. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 492-498.	0.5	2
1600	Efficient Synthesis of Novel Quinolinone Derivatives via Catalyst-free Multicomponent Reaction. Letters in Organic Chemistry, 2020, 17, 403-407.	0.5	0

#	ARTICLE	IF	CITATIONS
1601	Multicomponent Reactions Involving Diazo Reagents: A 5-Year Update. <i>Molecules</i> , 2021, 26, 6563.	3.8	15
1602	Three-Component Reactions of $\text{I}^{\pm}\text{-CF}_3$ Carbonyls, NaN_3 , and Amines for the Synthesis of $\text{NH-1,2,3-Triazoles}$. <i>Journal of Organic Chemistry</i> , 2021, 86, 17197-17212.	3.2	20
1603	Yb/Chitosan Catalyzed Synthesis of Highly Substituted Piperidine Derivatives for Potential Nuclease Activity and DNA Binding Study. <i>Current Pharmaceutical Design</i> , 2021, 27, 2252-2263.	1.9	2
1604	Synthesis of polysubstituted pyrroles via isocyanide-based multicomponent reactions as an efficient synthesis tool. <i>New Journal of Chemistry</i> , 2021, 45, 21967-22011.	2.8	26
1605	Divergent S- and C-Difluoromethylation of 2-Substituted Benzothiazoles. <i>Organic Letters</i> , 2021, 23, 8554-8558.	4.6	8
1606	Rapid Multicomponent Tandem Annulation in Ionic Liquids: Convergent Access to 3-Amino-1-Alkylpyridin-2(1H)-One Derivatives as Potential Anticancer Scaffolds. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 6946-6965.	2.6	0
1607	Techniques and support materials for enzyme immobilization using Ugi multicomponent reaction: an overview. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2115-2130.	2.2	4
1608	A New Curcuminoids-Coumarin Derivative: Mechanochemical Synthesis, Characterization and Evaluation of Its In Vitro Cytotoxicity and Antimicrobial Properties. <i>ChemistrySelect</i> , 2021, 6, 11352-11361.	1.5	6
1609	FeF ₃ as a green catalyst for the synthesis of dihydropyrimidines via Biginelli reaction. <i>European Journal of Chemistry</i> , 2020, 11, 206-212.	0.6	1
1610	Green Solvent: Green Shadow on Chemical Synthesis. <i>Current Organic Synthesis</i> , 2020, 17, 426-439.	1.3	4
1611	Efficient Synthesis and Antimicrobial Evaluation of Pyrazolopyranopyrimidines in the Presence of SBA-Pr-SO ₃ H as a Nanoporous Acid Catalyst. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 525-534.	0.5	5
1612	Synthesis of new bimetallic phosphate (Al/Ag ₃ PO ₄) and study for its Catalytic performance in the synthesis of 1,2-dihydro-1-phenyl-3H-naphth [1,2-e]-[1,3] oxazin-3-one derivatives. <i>Mediterranean Journal of Chemistry</i> , 2021, 11, 215.	0.7	5
1614	A Competent, Atom-Efficient and Sustainable Synthesis of Bis-Coumarin Derivatives Catalyzed over Strontium-Doped Asparagine Modified Graphene Oxide Nanocomposite. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 7267-7281.	2.6	8
1615	Multicomponent Synthesis of 2-(2,4-Diamino-3-cyano-5H-chromeno[2,3-b]pyridin-5-yl)malonic Acids in DMSO. <i>Molecules</i> , 2021, 26, 6839.	3.8	8
1616	Interrupted CuAAC-Thiolation for the Construction of 1,2,3-Triazole-Fused Eight-Membered Heterocycles from O-N-Propargyl derived Benzyl Thiosulfonates with Organic Azides. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 319-325.	4.3	16
1617	S-N-Ar Isocyanide Diversification. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4
1618	H ₃ PMo ₇ W ₅ O ₄₀ ·24H ₂ O catalyzed access to fused pyrazolopyranopyrimidine derivatives via one-pot multicomponent synthesis: green chemistry. <i>Monatshefte für Chemie</i> , 2022, 153, 79-85.	1.8	7
1619	Design, synthesis and biological evaluation of 1,5-disubstituted I^{\pm} -amino tetrazole derivatives as non-covalent inflammasome-caspase-1 complex inhibitors with potential application against immune and inflammatory disorders. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114002.	5.5	3

#	ARTICLE	IF	CITATIONS
1620	One-pot synthesis of novel spirocyclic dihydropyrazineones through a Ugi 4-component/deprotection. Journal of Heterocyclic Chemistry, 2022, 59, 686-694.	2.6	2
1621	Synthesis of C3-Cyanomethylated Imidazo[1,2-a]pyridines via Ultrasound-Promoted Three-Component Reaction under Catalyst- and Oxidant-Free Conditions. Synlett, 2022, 33, 264-268.	1.8	6
1623	Gold Nanoparticle-Catalyzed Multicomponent Reactions. ACS Sustainable Chemistry and Engineering, 2021, 9, 16556-16569.	6.7	21
1624	A synthesis of pyrazino[1,2-a]indoles via one-pot cascade Ugi condensation and N-annulation under mild conditions. Tetrahedron Letters, 2021, 87, 153547.	1.4	3
1625	One-pot cascade polycondensation and Passerini three-component reactions for the synthesis of functional polyesters. Polymer Chemistry, 2022, 13, 258-266.	3.9	6
1626	New heteroanalogues of tricyclic ascidian alkaloids: synthesis and biological activity. Organic and Biomolecular Chemistry, 2021, 19, 9925-9935.	2.8	5
1627	Reactivity switch-over of 4-hydroxydithiocoumarins under various conditions and their application in organic synthesis. Organic and Biomolecular Chemistry, 2022, 20, 715-726.	2.8	8
1628	On-surface multicomponent Povarov reaction examined by paper spray mass spectrometry. International Journal of Mass Spectrometry, 2022, 472, 116775.	1.5	4
1629	SLS-catalyzed Multi-component One-pot Reactions for the Convenient Synthesis of Spiro[indoline-3,4'-pyrano [2,3-c]pyrazole] Derivatives. Current Organocatalysis, 2021, 8, 200-210.	0.5	3
1630	Microwave-Assisted Multicomponent Syntheses of Heterocyclic Phosphonates. Chemistry Proceedings, 2020, 3, .	0.1	1
1631	Investigation of Acridinedione Derivative Synthesis with Versatile Morphologies of Bi2O3 Nanoparticles. Chemistry Proceedings, 2021, 3, 118.	0.1	1
1632	Synthesis of Triphenylamine-Imidazo[1,2-a]pyridine via Groebke-Blackburn-Bienayme Reaction. Chemistry Proceedings, 2020, 3, .	0.1	2
1633	A Facile One-Pot, Three-Component Synthesis of a New Series of Thiazolyl Pyrazoles: Anticancer Evaluation, ADME and Molecular Docking Studies. Polycyclic Aromatic Compounds, 2023, 43, 1332-1348.	2.6	3
1634	Fe ₃ O ₄ @THAM-SO ₃ H: An Eco-Friendly Solid Acid Nanocatalyst for Synthesis of 2-Amino-3-Cyanopyridines and 2,4,6-Triarylpyridines under Mild Reaction Conditions. Polycyclic Aromatic Compounds, 2023, 43, 1092-1106.	2.6	3
1635	Design & Synthesis of InCl ₃ Catalyzed Novel Pyrazole Conjugates with 2°-Amines; Discover Their in Vitro Antimicrobial & DFT Studies. Polycyclic Aromatic Compounds, 0, , 1-15.	2.6	2
1636	2-Aminopyridine – an unsung hero in drug discovery. Chemical Communications, 2022, 58, 343-382.	4.1	21
1637	A visible light-mediated three-component strategy based on the ring-opening of cyclic ethers with aryldiazoacetates and nucleophiles. Organic Chemistry Frontiers, 2022, 9, 1321-1326.	4.5	19
1638	Radical Cascade Multicomponent Minisci Reactions with Diazo Compounds. ACS Catalysis, 2022, 12, 1357-1363.	11.2	34

#	ARTICLE	IF	CITATIONS
1639	Visible-Light-Induced, Palladium-Catalyzed 1,4-Difunctionalization of 1,3-Dienes with Bromodifluoroacetamides. <i>Organic Letters</i> , 2022, 24, 924-928.	4.6	29
1640	Synthesis and In Vitro Analysis of 1-Deoxysphingolipid Ceramide Analogues via UGI Reaction as Potential Anti-cancer Agents. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
1641	An expedient synthesis of 3,4-dihydropyrimidin-2(1H)-ones derivatives under solvent free condition using titanium dioxide as a catalyst. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
1642	DNA systems based on oxazolone-coumarin triazoles as solid-state emitters and inhibitors of human cervical cancer cells (HeLa). <i>New Journal of Chemistry</i> , 2022, 46, 480-489.	2.8	3
1643	[3+1+1+1] Annulation to the Pyridine Structure in Quinoline Molecules Based on DMSO as a Nonadjacent Dual-Methine Synthone: Simple Synthesis of 3-Arylquinolines from Arylaldehydes, Arylamines, and DMSO. <i>Journal of Organic Chemistry</i> , 2022, 87, 2797-2808.	3.2	13
1644	Facile fabrication of a polyvinyl alcohol-based hydrophobic fluorescent film via the Hantzsch reaction for broadband UV protection. <i>Materials Horizons</i> , 2022, 9, 815-824.	12.2	16
1645	One-pot synthesis of natural-product inspired spiroindolines with anti-cancer activities. <i>Organic Chemistry Frontiers</i> , 2022, 9, 682-686.	4.5	5
1646	Iodine-Promoted Cyclization of Alkylidene Barbiturates in Water: Facile Synthesis of Dihydrofuryl Spirobarbiturates. <i>Heterocycles</i> , 2022, 104, 952.	0.7	1
1647	Lipase-Catalyzed Synthesis of Anthrone Functionalized Benzylic Amines via a Multicomponent Reaction in Supercritical Carbon Dioxide. <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
1648	Synthesis of heterocycles on the base of trifluoroacetoacetate, methyl ketones and diamines. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
1649	A novel dual three and five-component reactions between dimedone, aryl aldehydes, and 1-naphthylamine: synthesis and computational studies. <i>Journal of Molecular Structure</i> , 2022, 1258, 132569.	3.6	3
1650	Hf(OTf) ₄ -Catalyzed Three-Component Synthesis of N-Carbamate-Protected β -Amino Ketones. <i>Molecules</i> , 2022, 27, 1122.	3.8	2
1651	Green Chemistry in the Synthesis of Pharmaceuticals. <i>Chemical Reviews</i> , 2022, 122, 3637-3710.	47.7	155
1652	Ternary Catalysis Enabled Three-Component Asymmetric Allylic Alkylation as a Concise Track to Chiral β,β -Disubstituted Ketones. <i>Journal of the American Chemical Society</i> , 2021, 143, 20818-20827.	13.7	60
1653	Ugi Four-Component Reaction Based on in-situ Capture of Isocyanide and Post-Modification Tandem Reaction: One-Pot Synthesis of Nitrogen Heterocycles. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 838.	1.3	4
1654	One-pot synthesis of highly substituted poly(fuopyrimidine)s via catalyst-free multicomponent polymerizations of diisocyanides, N,N'-dimethylbarbituric acid, and dialdehyde. <i>RSC Advances</i> , 2022, 12, 6347-6351.	3.6	3
1655	CuI/TMEDA Catalyzed Solvent Free Homo-Coupling Reaction of Terminal Alkynes towards the Synthesis of Buta-1,3-diynes. <i>Asian Journal of Chemistry</i> , 2022, 34, 745-748.	0.3	1
1656	Irmof-3/Go/CuFe ₂ O ₄ Nanostructure: A Reusable and Efficient Nanocatalyst for the Preparation of Substituted Pyridines and Hydroquinolones. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1657	Mechanochemical IMCR and IMCR-post transformation domino strategies: towards the sustainable DOS of dipeptide-like and heterocyclic peptidomimetics. <i>New Journal of Chemistry</i> , 2022, 46, 9298-9303.	2.8	4
1658	Organophotoredox catalytic four-component radical-polar crossover cascade reactions for the stereoselective synthesis of β -amido sulfones. <i>Green Chemistry</i> , 2022, 24, 3120-3124.	9.0	16
1659	Fluorescent annulated imidazo[4,5- <i>c</i>]isoquinolines <i>via</i> a GBB-3CR/imidoylation sequence â€“ DNA-interactions in pUC-19 gel electrophoresis mobility shift assay. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3598-3604.	2.8	10
1660	Multicomponent reactions and photo/electrochemistry join forces: atom economy meets energy efficiency. <i>Chemical Society Reviews</i> , 2022, 51, 2313-2382.	38.1	103
1661	Catalyst-free Facile Synthesis of Novel Fused Spiro[benzo[4,5]thiazolo[3,2- <i>a</i>]pyrano[2,3- <i>d</i>]pyrimidine-4,3'-indoline]-3-carbonitrile Derivatives <i>via</i> One-pot Three-Component Reaction. <i>Organic Preparations and Procedures International</i> , 2022, 54, 145-156.	1.3	1
1662	One Pot Sequential Aldol condensation - Michael Addition â€“ Sonogashira, and Heck Arylation toward Highly Functionalized Quinolines. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1987-2000.	2.6	2
1663	Oneâ€“Pot Synthesis of Furano and Pyrano Pyrimidinones (Thiones) by Using Znâ€“Alâ€“Cu@Poly Triazineâ€“Thioureaâ€“Sulfonamideâ€“SO ₃ H Nanocatalyst. <i>ChemistrySelect</i> , 2022, 7, .	1.5	6
1664	Synthesis of Poly(β -hydroxyketone)s with Three-Component Polymerization of Diazocarbonyl Compounds, Triethylboron, and Aldehydes. <i>Macromolecules</i> , 2022, 55, 2424-2432.	4.8	11
1665	Antioxidant Polymers via the Ugi Reaction for In Vivo Protection of UV-Induced Oxidative Stress. <i>Chemistry of Materials</i> , 2022, 34, 2645-2654.	6.7	9
1666	Fusion of Cellulose and Multicomponent Reactions: Benign by Design. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4359-4373.	6.7	11
1667	Electrochemically mediated three-component synthesis of isothiourreas using thiols as sulfur source. <i>Green Synthesis and Catalysis</i> , 2023, 4, 41-45.	6.8	18
1668	Catalyst-free synthesis of tetrahydropyrazolopyridines via an one-pot tandem and green pseudo-six-component reaction in water. <i>BMC Chemistry</i> , 2022, 16, 9.	3.8	4
1669	Solventâ€“Free Microwaveâ€“Assisted Multicomponent Synthesis of 4- <i>H</i> -â€“Chromenes Using Fe ₃ O ₄ -Based Hydrotalcites as Bifunctional Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	1.5	6
1670	Odyssey of Deep Eutectic Solvents as Sustainable Media for Multicomponent Reactions: An Update. <i>Mini-Reviews in Organic Chemistry</i> , 2023, 20, 156-189.	1.3	1
1671	A greener approach for the synthesis of pyrido[2,3- <i>d</i>]pyrimidine derivatives in glycerol under microwave heating. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 1417-1429.	2.6	5
1673	Deconstructive Insertion of Oximes into Coumarins: Modular Synthesis of Dihydrobenzofuran-Fused Pyridones. <i>Organic Letters</i> , 2022, 24, 2282-2287.	4.6	5
1674	Four-component one-pot synthesis of novel dicyanoaniline anchored triazoles. <i>Canadian Journal of Chemistry</i> , 0, , .	1.1	0
1675	A Singleâ€“Step Synthesis of Stereodefined Skipped Trienes: Pdâ€“Catalyzed Cascade Reaction of Terminal Alkynes with Allylic Halides. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	0

#	ARTICLE	IF	CITATIONS
1676	Recent Developments in Multi-component Synthesis of Lawsone Derivatives. <i>Current Organic Synthesis</i> , 2023, 20, 278-307.	1.3	2
1677	Imine-based multicomponent polymerization: Concepts, structural diversity and applications. <i>Progress in Polymer Science</i> , 2022, 128, 101528.	24.7	12
1678	One-pot Synthesis of Pyrano[2,3-c]pyrazole Derivatives via Multicomponent Reactions (MCRs) and their Applications in Medicinal Chemistry. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, 552-568.	1.3	7
1679	Enantioselective Organocatalytic Three-Component Vinylogous Michael/Aldol Tandem Reaction among 3-Alkylidene oxindoles, Methyleneindolinones, and Aldehydes. <i>Journal of Organic Chemistry</i> , 2022, 87, 197-210.	3.2	4
1680	Enriching the Arsenal of Pharmacological Tools against MICAL2. <i>Molecules</i> , 2021, 26, 7519.	3.8	1
1681	Dieckmann Condensation of Ugi <i>N</i> -Acylamino Amide Product: Facile Access to Functionalized 2,2-Disubstituted Indolin-3-ones. <i>Journal of Organic Chemistry</i> , 2022, 87, 823-834.	3.2	8
1682	Chemoselective Trimerization of Isocyanides: De Novo Synthesis of 2-Indole-Substituted Quinolines and Pyridines. <i>Organic Letters</i> , 2022, 24, 105-109.	4.6	12
1683	2-(2-(4-Methoxyphenyl)-4,9-dimethyl-7-oxo-7H-furo[2,3-f]chromen-3-yl)acetic Acid. <i>MolBank</i> , 2021, 2021, M1304.	0.5	6
1684	Structure assignment, conformational properties and discovery of potential targets of the Ugi cinnamic adduct NGI25. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-14.	3.5	3
1685	Dimethyl 2-(2,4-Diamino-3-cyano-5H-chromeno[2,3-b]pyridin-5-yl)malonate. <i>MolBank</i> , 2022, 2022, M1308.	0.5	1
1686	Synthetic Development and Assessment of Antioxidant Activity of Imino[1,2,4]triazolo[1,5-a]pyrimidine-6-carbonitrile and Its Derivatives. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 2031-2038.	0.8	1
1687	Four-Component Reaction Access to Nitrile-Substituted All-Carbon Quaternary Centers. <i>Journal of Organic Chemistry</i> , 2022, 87, 66-75.	3.2	4
1688	6- ² -Amino-5,7-dibromo-2-oxo-3- ² -(trifluoromethyl)-1- ² H-spiro[indoline-3,4- ² -pyrano[2,3-c]pyrazole]-5- ² -carbonitrile. <i>MolBank</i> , 2022, 2022, M1309.	0.5	0
1690	Domino synthesis of 5-aminoimidazoles from Strecker multicomponent adducts via ytterbium-promoted isocyanide insertion/5-exo-dig cyclization. <i>Molecular Diversity</i> , 2022, , .	3.9	1
1698	One-pot multicomponent synthesis of benzophenazine tethered tetrahydropyridopyrimidine derivatives. <i>Molecular Diversity</i> , 2023, 27, 313-322.	3.9	4
1699	Visible-light photocatalytic metal-free multicomponent Ugi-like chemistry. <i>Green Chemistry</i> , 2022, 24, 3993-4003.	9.0	8
1700	Diverse and efficient catalytic applications of new cockscomb flower-like Fe ₃ O ₄ @SiO ₂ @KCC-1@MPTMS@Cu ^{II} /mesoporous nanocomposite in the environmentally benign reduction and reductive acetylation of nitroarenes and one-pot synthesis of some coumarin compounds. <i>RSC Advances</i> , 2022, 12, 11164-11189.	3.6	13
1701	Synthesis of Bis(indolyl)methane/Dihydropyrimidinone Tethered Bis-Amidic Triazole Hybrid Compounds via One-Pot Sequential Six/Seven Component Ugi-Click Reaction. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1

#	ARTICLE	IF	CITATIONS
1702	Prolinate-based heterogeneous catalyst for Knoevenagel condensation reaction: Insights into mechanism reaction using solid-state electrochemical studies. <i>Molecular Catalysis</i> , 2022, 524, 112328.	2.0	4
1703	Synthesis of poly(pyrazolopyridine)s by Hantzsch multicomponent polymerization. <i>Polymer</i> , 2022, , 124935.	3.8	1
1704	Highly Stereoselective Ugi/Pictetâ€“Spengler Sequence. <i>Journal of Organic Chemistry</i> , 2022, 87, 7085-7096.	3.2	13
1705	Dibenzothiazepine Based MCR Chemistry. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4
1706	Microwave-Assisted Post-Ugi Reactions for the Synthesis of Polycycles. <i>Molecules</i> , 2022, 27, 3105.	3.8	8
1707	Substrateâ€“Induced Synthesis of Coumarinâ€“Fused Quinolinones from Anilines, 4â€“Hydroxycoumarins and DMSO under Air. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2086-2090.	4.3	5
1708	Efficient and Green Synthesis of Acridinedione Derivatives Using Highly Fe3O4@Polyaniline-SO3H as Efficient Heterogeneous Catalyst. , 2021, 8, .		1
1709	Ultrasound Assisted Synthesis of 1,5-Disubstituted Tetrazoles Containing Propargyl or 2-Azidophenyl Moieties via Ugi-Azide Reaction. , 2021, 8, .		0
1710	Photoâ€“Catalyzed Redoxâ€“Neutral 1,2â€“Dialkylation of Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2260-2265.	4.3	7
1711	Synergy between homogeneous and heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2022, 12, 6623-6649.	4.1	29
1712	2,4-Diamino-5-(nitromethyl)-5H-chromeno[2,3-b]pyridine-3-carbonitrile. <i>MolBank</i> , 2022, 2022, M1365.	0.5	2
1713	Sustainable Synthesis of Pseudopeptides via Isocyanide-Based Multicomponent Reactions in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8115-8134.	6.7	20
1714	An asymmetric catalytic multi-component reaction enabled the green synthesis of isoserine derivatives and semi-synthesis of paclitaxel. <i>Green Synthesis and Catalysis</i> , 2023, 4, 58-63.	6.8	6
1715	Effective strategy for polymer synthesis: multicomponent reactions and click polymerization. <i>Materials Today Chemistry</i> , 2022, 25, 100948.	3.5	15
1716	Three Component Synthesis of Î²â€“Aminoxy Amides. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	2
1717	Concise One-pot MCRs approach to monofluorinated spiro-pyrazole-pyridine derivatives without additional catalyst. <i>SynOpen</i> , 0, 0, .	1.7	1
1718	One-pot multi-component synthesis of five substituted tetrahydropyridine derivatives promoted by a new natural-based biopolymeric catalyst as a green, reusable and eco-friendly heterogeneous catalyst. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	1
1719	Synthesis, characterization and Density Functional Theory of novel one-pot thioalkylated benzimidazole-linked 4-substituted mercaptoimidazole molecular hybrids <i>via</i> multi-component approach. <i>Synthetic Communications</i> , 0, , 1-11.	2.1	0

#	ARTICLE	IF	CITATIONS
1720	Synthesis of fused polycyclic \hat{I}^2 -carboline derivatives using Ugi-4CR followed by cascade cyclization. <i>Molecular Diversity</i> , 2023, 27, 951-957.	3.9	6
1721	Green Corrosion Inhibitors Derived from Synthesis: Progress and Future Directions. <i>ACS Symposium Series</i> , 0, , 121-147.	0.5	0
1722	Covalent organic frameworks and multicomponent reactions: an endearing give-and-take relationship. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	12
1723	Ni ^{II} NPs entrapped within a matrix of $\langle \text{scp} \rangle$ -glutamic acid cross-linked chitosan supported on magnetic carboxylic acid-functionalized multi-walled carbon nanotube: a new and efficient multi-task catalytic system for the green one-pot synthesis of diverse heterocyclic frameworks. <i>RSC Advances</i> , 2022, 12, 16454-16478.	3.6	8
1725	Cascade Multicomponent Reaction Involving Unprecedented Gould Jacobs \hat{A} Heck/Suzuki Coupling \hat{A} Hydrolysis \hat{A} Decarboxylation Reactions in One Pot: Rapid Synthesis of Hybrid Heterocyclic Molecules. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	2
1727	A Convenient Catalytic Method for the Synthesis of Pyridines with Henna and Pyrazole Moieties using Cooperative Vinylogous Anomeric \hat{A} Based Oxidation. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
1728	Multicomponent Electrocatalytic Selective Approach to Unsymmetrical Spiro[furo[3,2-c]pyran-2,5 \hat{A} pyrimidine] Scaffold under a Column Chromatography-Free Protocol at Room Temperature. <i>Chemistry</i> , 2022, 4, 615-629.	2.2	5
1729	Metal-Catalysed A3 Coupling Methodologies: Classification and Visualisation. <i>Catalysts</i> , 2022, 12, 660.	3.5	13
1730	Rational drug design strategies for the development of promising multi-target directed indole hybrids as Anti-Alzheimer agents. <i>Bioorganic Chemistry</i> , 2022, 127, 105941.	4.1	14
1731	One-pot three-component synthesis of novel phenyl-pyrano-thiazol-2-one derivatives and their anti-diabetic activity studies. <i>Results in Chemistry</i> , 2022, 4, 100439.	2.0	14
1732	Oxa-Michael/Ugi-Smiles cascade reaction with \hat{I}^{\pm}, \hat{I}^2 -unsaturated aldehydes. <i>Results in Chemistry</i> , 2022, 4, 100416.	2.0	2
1733	Interception of Nickel Hydride Species and Its Application in Multicomponent Reactions. <i>Organic Letters</i> , 2022, 24, 4804-4809.	4.6	2
1734	Recent Advances in Multicomponent Reactions Catalysed under Operationally Heterogeneous Conditions. <i>Catalysts</i> , 2022, 12, 725.	3.5	18
1735	Green Synthesis of New Pyrimidine Fused Quinolines Derivatives and Reduction of Organic Pollutants Using Fe ₃ O ₄ /KF/Clinoptilolite Supported on MWCNTs. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 4707-4728.	2.6	3
1736	One-pot three-component synthesis of tetrahydrobenzo[<i>b</i>]pyran derivatives using MgSO ₄ in DMSO. <i>Synthetic Communications</i> , 2022, 52, 1517-1525.	2.1	4
1737	Supported Gold Nanoparticle-Catalyzed Selective Reduction of Multifunctional, Aromatic Nitro Precursors into Amines and Synthesis of 3,4-Dihydroquinoxalin-2-Ones. <i>Molecules</i> , 2022, 27, 4395.	3.8	2
1738	Rhodium-Catalyzed Three-Component Reaction of Alkynes, Arylzinc Chlorides, and Iodomethanes Producing Trisubstituted/Tetrasubstituted Alkenes with/without 1,4-Migration. <i>Organic Letters</i> , 0, , .	4.6	2
1739	$\langle \text{p} \rangle$ \hat{A} TSA \hat{A} Mediated Four \hat{A} Component Reaction: One \hat{A} Step Access to Mesoionic 1 $\langle \text{i} \rangle$ H $\langle \text{i} \rangle$ \hat{A} imidazol \hat{A} 3 \hat{A} ium \hat{A} 4 \hat{A} olates, Direct NHC Precursors. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 4.3 2996-3003.		1

#	ARTICLE	IF	CITATIONS
1740	Synthesis of Bis-Hydrazine Using Heterogeneous Catalysis. , 0, , .		0
1741	From $A \times 3$ to AYA/KYA multicomponent coupling reactions with terminal ynamides as alkyne surrogates – a direct, green route to β -amino-ynamides. Green Chemistry, 0, , .	9.0	2
1742	Synthesis, characterization and antimicrobial study of novel substituted Curcumin Derivatives. Research Journal of Pharmacy and Technology, 2022, , 3091-3095.	0.8	0
1743	Multi-Component Sequential Synthesis of Dihydroorotic Acid-Based Amphiphilic Molecules. Synthesis, 0, , .	2.3	1
1744	Dicarbofunctionalization of [1.1.1]Propellane Enabled by Nickel/Photoredox Dual Catalysis: One-Step Multicomponent Strategy for the Synthesis of BCP-Aryl Derivatives. Journal of the American Chemical Society, 2022, 144, 12961-12969.	13.7	56
1745	Synthesis of 4-Tetrazolyl-Substituted 3,4-Dihydroquinazoline Derivatives with Anticancer Activity via a One-Pot Sequential Ugi-Azide/Palladium-Catalyzed Azide-Isocyanide Cross-Coupling/Cyclization Reaction. Journal of Organic Chemistry, 2022, 87, 9488-9496.	3.2	11
1746	Recent Applications of the Multicomponent Synthesis for Bioactive Pyrazole Derivatives. Molecules, 2022, 27, 4723.	3.8	39
1747	Piperidine-Iodine as Efficient Dual Catalyst for the One-Pot, Three-Component Synthesis of Coumarin-3-Carboxamides. Molecules, 2022, 27, 4659.	3.8	3
1748	Visible-light enabled one-pot three-component Petasis reaction for synthesis of β -substituted secondary sulfonamides/amides/hydrazides. Tetrahedron Letters, 2022, 106, 154055.	1.4	4
1749	Six-Component Reactions and Beyond: The Nuts and Bolts. European Journal of Organic Chemistry, 0, , .	2.4	5
1750	Multicomponent Reactions for the Synthesis of Active Pharmaceutical Ingredients. Pharmaceuticals, 2022, 15, 1009.	3.8	17
1751	Copper-catalyzed multicomponent green reaction approach: Synthesis of dihydropyrano [2,3- b] pyrazoles and evaluation of their anti-cancer activity. Journal of Heterocyclic Chemistry, 2023, 60, 18-26.	2.6	2
1752	Ultrasound-promoted convenient and ionic liquid [BMIM]BF ₄ assisted green synthesis of diversely functionalized pyrazolo quinoline core via one-pot multicomponent reaction, DFT study and pharmacological evaluation. Molecular Diversity, 2023, 27, 1409-1425.	3.9	5
1753	β -Metalated Isocyanides Toward a Tangible Reagent Space. Synlett, 2022, 33, 1913-1916.	1.8	2
1754	Leveraging Metal and Ligand Reactive Sites for One Pot Reactions: Ligand-Centered Borenium Ions for Tandem Catalysis with Palladium. Chemistry - A European Journal, 2022, 28, .	3.3	3
1755	Metal Catalyst-Free One-pot Synthesis of Carboxamide Derivatives via Ugi-4CC Reaction and Its Anti-tubercular Study. Letters in Drug Design and Discovery, 2024, 21, 226-235.	0.7	0
1756	Catalyst-Free Accelerated Three-Component Synthesis of Betti Bases in Microdroplets. ChemPlusChem, 0, , .	2.8	2
1757	Copper-Catalyzed One-Step Formation of Four C–N Bonds toward Polyfunctionalized Triazoles via Multicomponent Reaction. Organic Letters, 2022, 24, 6006-6012.	4.6	7

#	ARTICLE	IF	CITATIONS
1758	Abietic, maleopimaric and quinopimaric dipeptide Ugi-4CR derivatives and their potency against influenza A and SARS-CoV-2. <i>Natural Product Research</i> , 2023, 37, 1954-1960.	1.8	4
1759	A Versatile Class of 1,4,4-Trisubstituted Piperidines Block Coronavirus Replication In Vitro. <i>Pharmaceuticals</i> , 2022, 15, 1021.	3.8	3
1760	Applications of N-halo reagents in multicomponent reactions: a still underrated approach for the construction of heterocyclic scaffolds. <i>Current Organic Chemistry</i> , 2022, 26, .	1.6	2
1761	Design, Synthesis, and Biological Evaluation of Quinoxaline Bearing Tetrahydropyridine Derivatives as Anticancer, Antioxidant, and Anti-Tubercular Agents. <i>Current Computer-Aided Drug Design</i> , 2022, 18, 414-424.	1.2	1
1762	Methyl 5-Imino-2-methyl-1,10a-dihydro-5H-chromeno[2,3-b]pyridine-3-carboxylate. <i>MolBank</i> , 2022, 2022, M1453.	0.5	1
1763	The regioselective one-pot four-component synthesis of novel functionalized 4H-pyrano[2,3-b]quinoline derivatives using DABCO as a homogeneous organocatalyst. <i>Molecular Diversity</i> , 0, , .	3.9	0
1764	One-Pot, Base- and Metal-Free Practical Synthesis of Novel Cycloalkene-Fused [1,4]Thiazepines through the Sequential Ugi/SNCsp2 Reactions. <i>Synthesis</i> , 2023, 55, 489-498.	2.3	2
1765	Ag nanoparticles grafted porous organic polymer as an efficient heterogeneous catalyst for solvent-free A3 coupling reactions. <i>Molecular Catalysis</i> , 2022, 531, 112686.	2.0	6
1766	Photo-driven metal-free multicomponent reaction between aldehydes, anilines and 4-substituted-DHPs for the synthesis of secondary amines. <i>Green Chemistry</i> , 2022, 24, 7968-7973.	9.0	6
1767	Synthesis of N-sulfonated N-benzoxazoles and their use in medicinal chemistry. , 2022, , 345-382.		0
1768	A multicomponent reaction platform towards multimodal near-infrared BODIPY dyes for STED and fluorescence lifetime imaging. <i>RSC Chemical Biology</i> , 2022, 3, 1251-1259.	4.1	5
1769	Electrochemical synthesis of carbamo(dithioperoxy)thioates through the dehydrogenation coupling of thiols and amines and the insertion of CS ₂ . <i>Green Chemistry</i> , 2022, 24, 7362-7367.	9.0	17
1770	Green synthetic methods in drug discovery and development. , 2022, , 201-279.		0
1771	Green methodologies for the synthesis of 2-aminothiophene. <i>Environmental Chemistry Letters</i> , 2023, 21, 597-621.	16.2	4
1772	DTBP-promoted Passerini-type reaction of isocyanides with aldehydes: Synthesis of α -acyloxycarboxamides. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1794-1802.	1.4	0
1773	On drug discovery against infectious diseases and academic medicinal chemistry contributions. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 1355-1378.	2.2	0
1774	Tailored Aza-Michael Addition as Key Step in the Synthesis of 1 <i>H</i> -imidazo[5,1- <i>b</i>][1,4]oxazine Scaffolds. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1
1775	Catalyst- and Base-free One-pot, Multicomponent, De Novo Assembly of Structurally Diverse Morpholine Glycoconjugates. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	3

#	ARTICLE	IF	CITATIONS
1776	One-Pot Multicomponent Reaction: A Highly Versatile Strategy for the Construction of Valuable Nitrogen-Containing Heterocycles. <i>ChemistrySelect</i> , 2022, 7, .	1.5	12
1777	Recent developments in one-pot stepwise synthesis (OPSS) of small molecules. <i>IScience</i> , 2022, 25, 105005.	4.1	15
1778	A Bifurcated Multicomponent Synthesis Approach to Polycyclic Quinazolinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 13023-13033.	3.2	5
1779	A-la-carte surface functionalization of organic materials via the combination of radiation-induced graft polymerization and multi-component reactions. <i>MRS Communications</i> , 2022, 12, 552-564.	1.8	1
1780	Deep Eutectic Solvent (DES)-Mediated One-Pot Multicomponent Green Approach for Naphthalimide-Centered Acridine-1,8-dione Derivatives and Their Photophysical Properties. <i>ACS Omega</i> , 2022, 7, 35825-35833.	3.5	4
1781	A new copper Schiffâ€base complex of 3,4â€diaminobenzophenone stabilized on magnetic MCMâ€41 as a homoselective and reusable catalyst in the synthesis of tetrazoles and pyranopyrazoles. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	3.5	30
1782	One-pot synthesis, antimicrobial activities, and drug-likeness analysis of some novel 1,2-benzoxaphosphinines, phospholobenzofuran, and chromonyl/coumarinyl/indenonyl phosphonate. <i>Synthetic Communications</i> , 2022, 52, 1967-1980.	2.1	1
1783	An overview of Ruthenium-catalyzed multicomponent reactions. <i>Current Organic Chemistry</i> , 2022, 26, .	1.6	0
1784	General and Practical Route to Diverse 1-(Difluoro)alkyl-3-aryl Bicyclo[1.1.1]pentanes Enabled by an Fe-Catalyzed Multicomponent Radical Cross-Coupling Reaction. <i>ACS Catalysis</i> , 2022, 12, 11547-11556.	11.2	22
1785	Electrochemical Câ~H Oxidation/Conjugate Addition/Cyclization Sequences of 2â€Alkyl Phenols: Oneâ€Pot Synthesis of 2â€Aminoâ€4<i>H</i>-â€chromenes. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	6
1786	A Three-Component Synthesis of trifluoromethylated hexahydropyrrolo[1,2-a]imidazol-5-ones and hexahydropyrrolo[1,2-a]pyrimidin-6-ones. <i>Chemistry of Heterocyclic Compounds</i> , 0, , .	1.2	1
1787	Synthesis of 1<i>H</i>-Pyrazolo[1,2-<i>b</i>]Phthalazine-5,10-Dione and 1<i>H</i>-Pyrazolo[1,2-<i>a</i>]Pyridazine-5,8-Dione Derivatives by Bovine Serum Albumin in Water. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 7042-7051.	2.6	4
1788	Discovery of Small-Molecule Allosteric Inhibitors of <i>Pf</i>-ATC as Antimalarials. <i>Journal of the American Chemical Society</i> , 2022, 144, 19070-19077.	13.7	4
1789	Versatile imidazole synthesis via multicomponent reaction approach. <i>Journal of Heterocyclic Chemistry</i> , 2023, 60, 523-536.	2.6	2
1791	Design of Anti-infectious Agents from Lawsone in a Three-Component Reaction with Aldehydes and Isocyanides. <i>ACS Omega</i> , 0, , .	3.5	2
1792	Photocatalytic Reactions Involving Diazo Compounds as Radical Precursors. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 4247.	1.3	17
1793	A copper-catalyzed four-component reaction of arylcyclopropanes, nitriles, carboxylic acids and <i>N</i>-fluorobenzenesulfonimide: facile synthesis of imide derivatives. <i>Chemical Science</i> , 2022, 13, 13117-13121.	7.4	4
1794	Synthesis of multifunctional poly(carbamoyl ester)s containing dual-cleavable linkages and an AIE luminogen <i>via</i> Passerini-type multicomponent polymerization. <i>Chemical Communications</i> , 2022, 58, 12317-12320.	4.1	2

#	ARTICLE	IF	CITATIONS
1795	K ³ PO ⁴ -Promoted Cycloannulation of (E)- α -Chlorovinyl Sulfones with ortho-Hydroxy-Chalcones/Cinnamates for the Synthesis of 2,3,4-Trisubstituted 4-H-Benzopyran Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 4080-4087.	4.3	6
1796	Cyanuric Chloride Mediated One-Pot Three-Component Reaction of Benzoylhydrazinyl-N-Alkyl Acetamide Derivatives as a New Urease Inhibitor Scaffold: Docking Study and Enzyme Inhibitory Activity. <i>Pharmaceutical Chemistry Journal</i> , 2022, 56, 935-942.	0.8	1
1797	Experimental Spectroscopic (FT-IR, ¹ H and ¹³ C NMR, ESI-MS, UV) Analysis, Single Crystal X-Ray, Computational, Hirshfeld Analysis, and Molecular Docking of 2-Amino-N-Cyclopropyl-5-Heptylthiophene-3-Carboxamide and Its Derivatives. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-25.	2.6	0
1798	Coconut endocarp shell ash (CESA): a non-conventional catalyst for green synthesis of 2-amino-4H-benzochromenes. <i>Research on Chemical Intermediates</i> , 0, , .	2.7	2
1799	An Overview on the Synthesis of Fused Pyridocoumarins with Biological Interest. <i>Molecules</i> , 2022, 27, 7256.	3.8	10
1800	Enantiopure β -isocyano-boronic esters: synthesis and exploitation in isocyanide-based multicomponent reactions. <i>Molecular Diversity</i> , 0, , .	3.9	1
1801	[CMMIM][BF ₄] [−] Ionic Liquid-Catalyzed Facile, One-Pot Synthesis of Chromeno[4,3-d]pyrido[1,2-a]pyrimidin-6-ones: Evaluation of Their Photophysical Properties and Theoretical Calculations. <i>ACS Omega</i> , 2022, 7, 39147-39158.	3.5	8
1802	An Efficient One-Pot Green Protocol for the Synthesis of Dihydrochromeno[4,3-b]Pyrazolo[4,3-e]Pyridin-6(7H)-Ones Mediated by Diisopropyl Ethyl Ammonium Acetate at Room Temperature. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-15.	2.6	0
1803	Chitosan-supported FeCl ₃ catalyzed multicomponent synthesis of tetrahydroisoquinoline-indole hybrids with promising activity against chloroquine resistant Plasmodium falciparum. <i>Journal of Molecular Structure</i> , 2023, 1274, 134406.	3.6	4
1804	Strategies toward the Difunctionalizations of Enamide Derivatives for Synthesizing β , β -Substituted Amines. <i>Accounts of Chemical Research</i> , 2022, 55, 3265-3283.	15.6	9
1805	One-pot three component synthesis of pyrido[2,3-d]pyrimidines and benzo[4,5]imidazo[1,2-a]-pyrimidine-3-carbonitrile catalyzed by acidic ionic liquid immobilized on nanoporous TiO ₂ . <i>Journal of Molecular Structure</i> , 2023, 1274, 134435.	3.6	5
1806	Electricity-driven three-component reductive coupling reaction for the synthesis of diarylmethylamine. <i>Chemical Communications</i> , 2022, 58, 13345-13348.	4.1	3
1807	Iodine-Mediated Three-Component Strategy to Synthesize 2-Aminothiazoles from α -Diketones/ α -Ketoesters, Arylamines and Ammonium Thiocyanate. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4
1809	Design and synthesis of ferrocene-based magnetic nanoparticle and investigation of its catalytic ability in the synthesis of novel 6-((morpholin-4-yl)methyl) substituted pyrano[3,2-b]pyran derivatives. <i>Applied Organometallic Chemistry</i> , 2023, 37, .	3.5	3
1810	Imine Directed Cp*Rh(III)-Catalyzed N-H Functionalization and Annulation with Amino Amides, Aldehydes, and Diazo-Compounds. <i>Angewandte Chemie - International Edition</i> , 0, , .	13.8	4
1811	In Melting Points We Trust: A Review on the Misguiding Characterization of Multicomponent Reactions Adducts and Intermediates. <i>Molecules</i> , 2022, 27, 7552.	3.8	0
1812	Imine Directed Cp*Rh(III)-Catalyzed N-H Functionalization and Annulation with Amino Amides, Aldehydes, and Diazo-Compounds. <i>Angewandte Chemie</i> , 0, , .	2.0	1
1813	Enantioselective Ugi and Ugi-azide reactions catalyzed by anionic stereogenic-at-cobalt(III) complexes. <i>Nature Communications</i> , 2022, 13, .	12.8	10

#	ARTICLE	IF	CITATIONS
1814	An enantioselective four-component reaction via assembling two reaction intermediates. <i>Nature Communications</i> , 2022, 13, .	12.8	10
1815	An efficient and eco-compatible multicomponent synthesis of 2,4,5-trisubstituted imidazole derivatives using modified-silica-coated cobalt ferrite nanoparticles with tungstic acid. <i>Dalton Transactions</i> , 2023, 52, 1257-1267.	3.3	5
1816	Catalytic multicomponent synthesis, biological evaluation, molecular docking and in silico ADMET studies of some novel 3-alkyl indoles. <i>Journal of King Saud University - Science</i> , 2023, 35, 102475.	3.5	3
1817	Bioactive 2-pyridone-containing heterocycle syntheses using multicomponent reactions. <i>RSC Advances</i> , 2022, 12, 34965-34983.	3.6	9
1818	Magnetically Recoverable Fe _{0.02} Zn _{0.95} -xCr _{0.05} O Iron doped Catalyst for Synthesis of Dihydropyrimidones, Thiones and their Derivatives. <i>Asian Journal of Chemistry</i> , 2022, 34, 3247-3250.	0.3	0
1819	One-pot double annulations to confer diastereoselective spirooxindolepyrrolothiazoles. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 1607-1616.	2.2	1
1820	Rh ₂ (Ph ₃ COO) ₃ (OAc)/Chiral Phosphoric Acid Cocatalyzed <i>N</i> -Alkyl Imines-Involved Multicomponent Reactions Yielding <i>N</i> -(Anthracen-9-ylmethyl) Isoserines as Drug Intermediates. <i>Organic Letters</i> , 2022, 24, 8633-8638.	4.6	5
1821	Ionic liquid-loaded triazine-based magnetic nanoparticles for promoting multicomponent reaction. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
1822	Chitosan-EDTA-Cellulose bio-based network: A recyclable multifunctional organocatalyst for green and expeditious synthesis of Hantzsch esters. <i>Carbohydrate Polymer Technologies and Applications</i> , 2023, 5, 100279.	2.6	5
1823	Microwave-Assisted Tandem Copper-Catalyzed Three-Component Reaction for Synthesis of ϵ -minopyrans. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
1824	Passerini Reaction to Access α -Hydroxy Amides by Facile Decarbonylation/Decarboxylation of Oxalic Acid. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4
1825	Arylformylacetonitriles in Multicomponent Reactions Leading to Heterocycles. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1
1826	DBU mediated efficient synthesis of new <i>N</i> -(furan/thiophene/pyrrole-2-yl)-(2-hydroxynaphthalen-1-yl)methyl)acetamides. <i>Letters in Organic Chemistry</i> , 2022, 20, .	0.5	0
1827	Electrocatalytic Three-Component Synthesis of 4-Bromopyrazoles from Acetylacetone, Hydrazine and Diethyl Bromomalonate. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 4292.	1.3	6
1828	Efficient AntiMycolata Agents by Increasing the Lipophilicity of Known Antibiotics through Multicomponent Reactions. <i>Antibiotics</i> , 2023, 12, 83.	3.7	1
1829	Accessing three-branched high-affinity cereblon ligands for molecular glue and protein degrader design. <i>RSC Chemical Biology</i> , 0, , .	4.1	2
1830	Diastereo- and Enantioselective Synthesis of Highly Functionalized Tetrahydropyridines by Recyclable Novel Bifunctional C ₂ -Symmetric Ionic Liquid-Supported (S)-Proline Organocatalyst. <i>Catalysts</i> , 2023, 13, 209.	3.5	3
1831	2,4-Diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1H-pyrazol-4-yl)-5H-chromeno[2,3-b]pyridine-3-carbonitrile. <i>MolBank</i> , 2023, 2023, M1541.	0.5	0

#	ARTICLE	IF	CITATIONS
1832	Construction of Covalent Organic Frameworks via Multicomponent Reactions. Journal of the American Chemical Society, 2023, 145, 1475-1496.	13.7	42
1833	Palladium-Catalyzed Three-Component Coupling of Benzyne, Benzylic/Allylic Bromides and 1,1-Bis[(pinacolato)boryl]methane. Catalysts, 2023, 13, 126.	3.5	0
1834	“Chemistry at the speed of sound”: automated 1536-well nanoscale synthesis of 16 scaffolds in parallel. Green Chemistry, 2023, 25, 1380-1394.	9.0	7
1835	Four Component One Pot Synthesis of Benzyl Pyrazolyl Coumarin Derivatives Catalyzed by Metal-Free, Heterogeneous Chitosan Supported Ionic Liquid Carbon Nanotubes. Polycyclic Aromatic Compounds, 0, , 1-12.	2.6	0
1836	Arylation and Alkyne Insertion to C-Acylimines: Rapid Access to 2-Trifluoromethylated and Other Fully Substituted Pyrroles in One Pot. Synthesis, 0, , .	2.3	2
1837	Synthesis, Spectroscopic Characterization, DFT and Molecular Dynamics of Quinoline-based Peptoids. Arabian Journal of Chemistry, 2023, , 104570.	4.9	0
1838	Four-Component Synthesis of Spiro-Imidazolidines Enabled by Carbon Nitride Photocatalysis. ACS Catalysis, 2023, 13, 866-876.	11.2	16
1839	Curation and cheminformatics analysis of a Ugi-reaction derived library (URDL) of synthetically tractable small molecules for virtual screening application. Molecular Diversity, 2024, 28, 37-50.	3.9	0
1840	Propargyl Amines: Versatile Building Blocks in Post-Ugi Transformations. ChemistryOpen, 2023, 12, .	1.9	2
1841	Integrating Bifunctionality and Chemical Stability in Covalent Organic Frameworks via One-Pot Multicomponent Reactions for Solar-Driven H ₂ O ₂ Production. Journal of the American Chemical Society, 2023, 145, 2975-2984.	13.7	71
1842	Amenamivir by Ugi-4CR. Green Chemistry, 2023, 25, 1322-1325.	9.0	3
1843	A Catalyst- and Solvent-Free Synthesis of Tetra-Substituted Pyrroles by Multicomponent Reaction. ChemistrySelect, 2023, 8, .	1.5	4
1844	Green and efficient one-pot three-component synthesis of novel drug-like furo[2,3-d]pyrimidines as potential active site inhibitors and putative allosteric hotspots modulators of both SARS-CoV-2 MPro and PLPro. Bioorganic Chemistry, 2023, 135, 106390.	4.1	9
1845	Three-Component Domino Reaction of Thioamide, Isonitriles, and Water: Selective Synthesis of 1,2,4-Thiadiazolidin-3-ones and (<i>E</i>)-<i>N</i>-(1,2-Diamino-2-thioxoethylidene)benzamides. Journal of Organic Chemistry, 0, , .	3.2	2
1846	Oxidative Annulation of Aldehydes, 5-Aminopyrazoles, and Nitriles: Synthesis and Applications of Pyrazolo[3,4- <i>d</i>]Pyrimidines. Advanced Synthesis and Catalysis, 0, , .	4.3	1
1847	Contemporary Progress in the Applications of Iron-based Magnetic Nanoparticles in Multicomponent Synthesis: A Review. Current Organic Chemistry, 2023, 26, 2122-2142.	1.6	1
1848	Halloysite Nanotubes as Bimodal Lewis/Brønsted Acid Heterogeneous Catalysts for the Synthesis of Heterocyclic Compounds. Nanomaterials, 2023, 13, 394.	4.1	2
1849	A convergent multicomponent synthesis, spectral analysis, molecular modelling and docking studies of novel 2H-pyrido[1,2- <i>a</i>]pyrimidine-2,4(3H)-dione derivatives as potential anti-cervical cancer agents. Journal of Molecular Structure, 2023, 1279, 134982.	3.6	6

#	ARTICLE	IF	CITATIONS
1850	Synthesis of New Cyclohexenone Derivatives Using Potassium Phthalimide as a Green Organocatalyst. One-Pot Microwave-Assisted Synthesis and Antimicrobial Evaluation. Russian Journal of Organic Chemistry, 2023, 59, 117-132.	0.8	1
1851	Multicomponent Reactions Applied to Total Synthesis of Biologically Active Molecules: A Short Review. Current Topics in Medicinal Chemistry, 2023, 23, 990-1003.	2.1	3
1852	A3 polycondensation: A multicomponent step-growth polymerization reaction for the synthesis of polymeric propargylamines. European Polymer Journal, 2023, 191, 112056.	5.4	2
1853	Copper (II) anchored on layered double hydroxide functionalized guanidine as a heterogeneous catalyst for the synthesis of tetrazole derivatives. Colloids and Interface Science Communications, 2023, 53, 100704.	4.1	4
1855	An effective and ecofriendly sonochemical multicomponent synthesis of trisubstituted imidazoles via modified silica-coated cobalt ferrite nanoparticles by tungstic acid. Applied Organometallic Chemistry, 2023, 37, .	3.5	3
1856	Modular synthesis of unsaturated aza-heterocycles via copper catalyzed multicomponent cascade reaction. IScience, 2023, 26, 106137.	4.1	2
1857	Ugi Four-Component Reactions Using Alternative Reactants. Molecules, 2023, 28, 1642.	3.8	5
1858	A TfOH-Catalyzed Multicomponent Reaction of Propargylic Alcohols, Sulfonamides and Aldehydes for the Synthesis of Acyclic 1-Arylidene 2-Aminoketones. Asian Journal of Organic Chemistry, 2023, 12, .	2.7	3
1859	Multicomponent Synthesis of Unsymmetrical Derivatives of 4-Methyl-Substituted 5-Nitropyridines. Processes, 2023, 11, 576.	2.8	3
1860	Multicomponent reactions of ethyl trifluoroacetate with carbonyl and nucleophilic reagents as a promising tool for organic synthesis. Russian Chemical Bulletin, 2023, 72, 103-129.	1.5	8
1861	Magnetic Carbon Nanotubes Mesoporous Silica Nanocomposite Functionalized with Palladium: Synthesis, Characterization, and Application as an Efficient Catalyst for Suzuki-Miyaura Reactions. Journal of Cluster Science, 2023, 34, 2609-2617.	3.3	3
1862	A Greener Synthetic Approach to Tetrazoles via Multicomponent Reactions. Current Organocatalysis, 2023, 10, 250-262.	0.5	4
1863	Catalyst free one pot three components synthesis of 2-iminothiazoles from nitroepoxides and thiourea. Scientific Reports, 2023, 13, .	3.3	0
1864	Construction of Covalent Organic Frameworks via a Visible-Light-Activated Photocatalytic Multicomponent Reaction. Journal of the American Chemical Society, 2023, 145, 4951-4956.	13.7	37
1865	Electrocatalytic Multicomponent Transformation of Aldehyde, 5-Amino-3-methyl-1-phenylpyrazole and Dimedone: An Efficient Protocol for Substituted Pyrazolo[3,4-b]quinolines. ChemistrySelect, 2023, 8, .	1.5	0
1866	New Azacycles by One-Pot Three-Component Hantzsch-Like Synthesis of Tetra(hexa)azacyclopenta[<i>a</i>]anthracenes, Tetraazaindeno[5,4- <i>b</i>]fluorenes, and Oxatetraazacyclopenta[<i>m</i>]tetraphenes. ChemistryOpen, 2023, 12, .	1.9	2
1867	An Ultrasound-assisted Three Component Protocol for the Regio and Stereo-selective Synthesis of Some Novel Dispiroheterocycles and Their Biological Evaluation as Anti-inflammatory, Anti-obesity Agents. Letters in Drug Design and Discovery, 2024, 21, 133-142.	0.7	1
1868	Synthesis of Dibenzo[<i>b,e</i>]azepin-6(1 <i>H</i>)-ones via a Sequential Ugi-4CR and Sulfur Ylide-Mediated Rearrangement Reaction. European Journal of Organic Chemistry, 2023, 26, .	2.4	1

#	ARTICLE	IF	CITATIONS
1869	Multicomponent Approaches Involving Carbon Disulfide. Asian Journal of Organic Chemistry, 2023, 12, .	2.7	2
1870	Novel Synthesis of Multifunctionalized Spiro[benzofurancyclobutanes] via Aqueous Three-component Reaction Catalyzed by Theophylline. Organic Preparations and Procedures International, 0, , 1-7.	1.3	0
1871	Benchtop ¹⁹ F Nuclear Magnetic Resonance (NMR) Spectroscopy Provides Mechanistic Insight into the Biginelli Condensation toward the Chemical Synthesis of Novel Trifluorinated Dihydro- and Tetrahydropyrimidinones as Antiproliferative Agents. ACS Omega, 2023, 8, 10545-10554.	3.5	2
1873	Gold-catalyzed multicomponent reactions. Organic Chemistry Frontiers, 2023, 10, 2359-2384.	4.5	8
1874	Divergent Synthesis of Pentacyclic Isoindolinones Enabled by Sequential Insertion of Two Different Isocyanides and Acid Promoted Cyclization of Ketenimines. Organic Letters, 2023, 25, 2041-2046.	4.6	6
1875	Macrocyclization tactics: The MCR approach. Tetrahedron Letters, 2023, 120, 154453.	1.4	2
1876	Passerini reaction: Synthesis and applications in polymer chemistry. European Polymer Journal, 2023, 190, 112004.	5.4	4
1877	A Mini-review on Recent Advances in Synthesis of Dihydropyrano [3, 2-c] chromenes Using Magnetic Nanocatalysts. Current Organic Synthesis, 2023, 20, .	1.3	0
1878	Isocyanide Heterodimerization-Triggered Three-Component Reaction: Diversity-Oriented Synthesis of Quinoxalines. Organic Letters, 2023, 25, 2366-2371.	4.6	1
1879	Regioselective Cyclic Iminium Formation of Ugi Advanced Intermediates: Rapid Access to 3,4-Dihydropyrazin-2(1H)-ones and Other Diverse Nitrogen-Containing Heterocycles. Molecules, 2023, 28, 3062.	3.8	1
1880	Synthesis of novel acridines, tetrahydrodipyrzolo [3,4- <i>b</i> :4',3'- <i>e</i>]pyridines, tri-substituted methanes (TRSMs) bearing 2-(4-(1-phenyl-1 <i>H</i> -pyrazol-3-yl)phenoxy)- <i>N</i> -phenylacetamide unit as novel hybrid molecules. Synthetic Communications, 2023, 53, 696-707.	2.1	2
1881	Molecular Docking, Multicomponent One-pot Synthesis of Pyrimidine Derivatives as Anti-mycobacterial Agents. Anti-Infective Agents, 2023, 21, .	0.4	2
1882	Multicomponent Reaction-Assisted Drug Discovery: A Time- and Cost-Effective Green Approach Speeding Up Identification and Optimization of Anticancer Drugs. International Journal of Molecular Sciences, 2023, 24, 6581.	4.1	9
1883	Catalyst-Additive-Free One-Pot Synthesis of Oxazolidines in Water via Regioselective and Stereoselective C-H Functionalization Approach. ChemistrySelect, 2023, 8, .	1.5	0
1884	Aryl glyoxal: a prime synthetic equivalent for multicomponent reactions in the designing of oxygen heterocycles. RSC Advances, 2023, 13, 11652-11684.	3.6	2
1885	A H ₄ SiW ₁₂ O ₄₀ -catalyzed three-component tandem reaction for the synthesis of 3,3-disubstituted isoindolinones. Chinese Chemical Letters, 2024, 35, 108480.	9.0	4
1886	Theoretical Underpinning of Synergetic Ir/Cu-Metallaphotoredox Catalysis in Multicomponent C-N Cross-Coupling Reactions. ACS Catalysis, 2023, 13, 6249-6260.	11.2	5
1887	Four-Component Ring-Opening Reaction of Pyrroles via C-N Bond Cleavage under Multiple Functions of Elemental Sulfur. Organic Letters, 2023, 25, 3094-3098.	4.6	2

#	ARTICLE	IF	CITATIONS
1889	[^{EMIM} AlCl ₄]-Ionic liquid catalyzed mechanochemically assisted synthesis of 3,4-dihydropyrimidin-2-ylidene and thione derivatives. Journal of Heterocyclic Chemistry, 0, , .	2.6	0
1890	Trimesic acid-functionalized chitosan: A novel and efficient multifunctional organocatalyst for green synthesis of polyhydroquinolines and acridinediones under mild conditions. Heliyon, 2023, 9, e16315.	3.2	1
1891	Three-Component Chemo-Selective Synthesis of <i>N</i> -(<i>o</i> -Alkenylaryl) Pyrazoles by Pyrazole Annulation and Rh-Catalyzed Chemo-Selective Aryl C-H Addition Cascade. Journal of Organic Chemistry, 2023, 88, 8619-8627.	3.2	8
1892	Domino and Multicomponent Reactions by Graphene-Based Carbocatalysts – A Boon for Organic Transformations. , 2023, , 297-336.		0
1893	Antioxidant activity of novel 4H- chromene tethered 1,2,3-Triazole Analogues: Synthesis and molecular docking studies. Results in Chemistry, 2023, 5, 100987.	2.0	3
1894	An efficient protocol for the synthesis of pyridines and hydroquinolones using IRMOF-3/GO/CuFe ₂ O ₄ composite as a magnetically separable heterogeneous catalyst. Scientific Reports, 2023, 13, .	3.3	1
1895	Highly regioselective and diastereoselective synthesis of novel pyrazinoindolones via a base-mediated Ugi- <i>N</i> -alkylation sequence. RSC Advances, 2023, 13, 16963-16969.	3.6	1
1896	Advances in Pyrazoles rings™ Syntheses by heterogeneous catalysts, ionic liquids, and multicomponent reactions - A Review. Current Organic Chemistry, 2023, 27, .	1.6	0
1897	p-TSA·H ₂ O-Catalyzed Synthesis of 2,3-Diarylquinoline Derivatives via One-Pot Three-Component Reaction. Synthesis, 2023, 55, 3195-3203.	2.3	4
1898	Functionalized Diazabenz[a]anthracenediones: Regioselective Multicomponent Synthesis and Biological and Computational Studies as Potential Cholinesterase Inhibitors. ChemistrySelect, 2023, 8, .	1.5	3
1899	Multi-component syntheses based on β^2 -oxodithioesters. Synthetic Communications, 2023, 53, 1279-1304.	2.1	1
1900	NiZnFe ₂ O ₄ : an eco-compatible and magnetically separable catalyst for multicomponent synthesis of 2-amino-4H-chromenes. Research on Chemical Intermediates, 2023, 49, 3481-3500.	2.7	0
1901	Photocatalytic Multi-Component Reactions: An Emerging Avenue. Current Catalysis, 2023, 12, .	0.5	0
1902	Group 14 Elements Hetero-Functionalizations via Nickel-Catalyzed Electroreductive Cross-Coupling. Angewandte Chemie - International Edition, 2023, 62, .	13.8	7
1903	Group 14 Element Hetero-Functionalizations via Ni-Catalyzed Electroreductive Cross-Coupling. Angewandte Chemie, 0, , .	2.0	0
1904	Sequence-selective three-component reactions of alkyltrifluoroborates with β^2 -unsaturated carbonyl compounds and vinylphosphonium salts. Organic Chemistry Frontiers, 0, , .	4.5	0
1905	Recent advances in the synthesis of five-membered heterocycles via multicomponent and domino reactions (from 2017 to 2022). Advances in Heterocyclic Chemistry, 2023, , 1-126.	1.7	1
1906	Metal free synthesis of substituted 5-aryl/alkyl aminotetrazoles in water. Tetrahedron Letters, 2023, 124, 154599.	1.4	1

#	ARTICLE	IF	CITATIONS
1907	A century-old one-pot multicomponent Biginelli reaction products still finds a niche in drug discoveries: Synthesis, mechanistic studies and diverse biological activities of dihydropyrimidines. <i>Journal of Molecular Structure</i> , 2023, 1291, 136020.	3.6	3
1908	Electrochemical chemo- and regioselective arylalkylation, dialkylation and hydro(deutero)alkylation of 1,3-enynes. , 2023, 2, 1068-1081.		9
1909	[<sc>BCMIM</sc>][Cl] ionic liquid catalyzed diastereoselective synthesis of β -amino ketones via facile, one-pot, multicomponent Mannich reaction under solvent-free condition. <i>Journal of Heterocyclic Chemistry</i> , 2023, 60, 1545-1557.	2.6	1
1910	Green and regioselective alkylation of dihydropyrimidinethiones through Michael addition. <i>Letters in Organic Chemistry</i> , 2023, 20, .	0.5	0
1911	A Facile One-Pot Four-Component Green Synthesis of 4-(1H-Indol-2-yl)-4H-chromenes Conjugated with Phthalazine-1,4-diones. <i>Russian Journal of Organic Chemistry</i> , 2023, 59, 726-732.	0.8	0
1912	An efficient one-pot synthesis of Spiro[indoline-3,11-pyrazolo[3,4-f]pyrimido[4,5-b]quinoline] derivatives. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	2.6	0
1913	One-Pot Multicomponent Reactions in Deep Eutectic Solvents. <i>Current Organic Chemistry</i> , 2023, 27, 585-620.	1.6	2
1914	Synthesis of Arylamines via a Tandem Petasis Borono-Mannich/ Nucleophilic Substitution Reaction. <i>Asian Journal of Organic Chemistry</i> , 2023, 12, .	2.7	0
1915	Facile one-pot, three-component synthesis and antimicrobial screening of novel hexahydropyrimido[4,5-b]quinolinediones incorporating phenoxyacetamide core as novel hybrid molecules via Hantzsch reaction. <i>Journal of Molecular Structure</i> , 2023, 1287, 135721.	3.6	3
1916	Synthesis of New Polyheterocyclic Pyrrolo[3,4-b]pyridin-5-ones via an Ugi-Zhu/Cascade/Click Strategy. <i>Molecules</i> , 2023, 28, 4087.	3.8	1
1917	Multicomponent Strategy to Pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine Derivatives under Microwave Irradiation. <i>Journal of Organic Chemistry</i> , 2023, 88, 6682-6690.	3.2	0
1918	Post-Ugi Cyclizations Towards Polycyclic N-Heterocycles. <i>Chemical Record</i> , 2023, 23, .	5.8	5
1919	Exploring the Effect of Amphiphile Architecture on Intracellular Protein Delivery Capacity: Dimeric versus Trimeric Amphiphiles. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 26328-26339.	8.0	0
1920	Visible-Light-Induced Four-Component Ritter-Type Reaction: Access to β -Trifluoromethyl Imides. <i>Organic Letters</i> , 2023, 25, 4080-4085.	4.6	2
1921	Microwave-Assisted Synthesis of Methylenebis(phenyl-1H-1,2,3-triazol-5-yl-1,3-thiazolidinones) as Potential Anticancer Agents. <i>Russian Journal of General Chemistry</i> , 2023, 93, 1201-1209.	0.8	0
1922	Multicomponent Reaction: Pd/Cu-Catalyzed Borocarbonylation of Aryldiazonium Salts with Aliphatic Terminal Alkynes to β -Bis(boryl) Ketones. <i>Chemistry - A European Journal</i> , 2023, 29, .	3.3	0
1923	Investigating the Nature of the Onium Ylide and Michael Acceptor in a Rhodium(I)-Catalyzed Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2023, 88, 10040-10047.	3.2	1
1924	Synthesis, Anticancer Evaluation and <i>in Silico</i> Studies of 1,4-Dihydropyridines. <i>Chemistry and Biodiversity</i> , 2023, 20, .	2.1	0

#	ARTICLE	IF	CITATIONS
1926	2-Benzyl-7-(4-chlorophenyl)-3-morpholino-6-((1-phenyl-1H-1,2,3-triazol-4-yl)methyl)-6,7-dihydro-5H-pyrrolo[3,4-b]pyridin-5-one. MolBank, 2023, 2023, M1693.	0.5	0
1927	One-pot synthesis of spiropyrrolidine-pyrrolo[2,3-b]quinoline derivatives via metal-free post-cyclization annulation reactions. ChemistrySelect, 2023, 8, .	1.5	0
1928	Cysteine Catalyzed Water Mediated Eco-Friendly Approach for the Synthesis of 5-Substituted 1H-Tetrazole and Its Derivatives. Heterocycles, 2023, 106, 1175.	0.7	0
1930	Lewis Acid-Catalyzed Multicomponent Reaction of Aliphatic Aldehydes, Ynamides, Carboxylic Acids and Amines to Access 2-Acylamino Amides. Synlett, 0, , .	1.8	0
1931	Strain-Release-Driven Phosphine and Rhodium Catalysis: Facile Synthesis of Unsymmetrical Tetrasubstituted Alkenes. ACS Catalysis, 2023, 13, 10425-10434.	11.2	1
1932	Bidirectional Elongation Strategy Using Ambiphilic Radical Linchpin for Modular Access to 1,4-Dicarbonyls via Sequential Photocatalysis. Journal of the American Chemical Society, 2023, 145, 20344-20354.	13.7	3
1933	Microdroplet Chemistry Accelerating a Three-Component Passerini Reaction for 1-Acyloxy Carboxamide Synthesis. Journal of Organic Chemistry, 2023, 88, 11186-11196.	3.2	2
1934	Multicomponent Reactions for Expedient Construction of 2-Indole Carboxamide Amino Amides. Journal of Organic Chemistry, 0, , .	3.2	0
1935	Multicomponent radical cross-coupling reaction of [1.1.1]propellane: synthesis of 1-aryltiol-2-arylbicyclo[1.1.1]pentanes. Advanced Synthesis and Catalysis, 0, , .	4.3	2
1936	Enantioselective Ni-Catalyzed Three-Component Dicarbofunctionalization of Alkenes. ChemCatChem, 2023, 15, .	3.7	3
1937	Water compatible silica supported iron trifluoroacetate and trichloroacetate: as prominent and recyclable Lewis acid catalysts for solvent-free green synthesis of hexahydroquinoline-3-carboxamides. RSC Advances, 2023, 13, 23431-23448.	3.6	0
1938	Photocatalyzed radical multicomponent alkylacylation of [1.1.1]propellane to synthesize 1,3-disubstituted BCP ketones. Organic Chemistry Frontiers, 2023, 10, 4616-4622.	4.5	1
1939	Modular assembly of indole alkaloids enabled by multicomponent reaction. Nature Communications, 2023, 14, .	12.8	2
1940	Melamine-terephthalaldehyde covalent organic framework-copper-tetrabenzenecarboxylic acid metal organic framework (COF@MOF): an efficient heterogeneous acidic catalyst for the one-pot preparation of 2,3-dihydroquinazoline-4(1H)-one derivatives. Research on Chemical Intermediates, 0, , .	2.7	0
1941	Instant Macrocyclizations via Multicomponent Reactions. Journal of Organic Chemistry, 2023, 88, 12709-12715.	3.2	4
1942	Preparation and characterization of MWCNTs/CONHBu and investigation of its catalytic effect in the multi component synthesis of 2-amino-4H-chromenes under green conditions. Catalysis Communications, 2023, 182, 106755.	3.3	3
1943	Multicomponent Reactions for the Synthesis of Natural Products and Natural Product-Like Libraries. , 2023, , 273-322.		0
1944	Organo-photocatalyzed visible-light-driven multicomponent approach for carbomethoxyalkylation of activated alkene via C(sp ³)-H bond functionalization. Organic and Biomolecular Chemistry, 0, , .	2.8	0

#	ARTICLE	IF	CITATIONS
1945	Photoinduced, additive- and photosensitizer-free multi-component synthesis of naphthoselenazol-2-amines with air in water. <i>Green Chemistry</i> , 2023, 25, 7983-7987.	9.0	25
1946	4aâ€²-Hydroxy-3â€²,3â€²,5,6â€²,6â€²,7-hexamethyl-3â€²,4â€²,4aâ€²,6â€²,7â€²,9aâ€²-hexahydrospiro[indole-3,9â€²-xanthene]-1â€²-one. <i>MolBank</i> , 2023, 2023, M1721.	0.5	0
1947	Direct and modular access to allylic amines <i>via</i> nickel-catalyzed three-component coupling. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	0
1948	Growing Impact of Intramolecular Click Chemistry in Organic Synthesis. <i>Chemical Record</i> , 2023, 23, .	5.8	1
1949	Organocatalytic Enantioselective Oneâ€²Pot Synthesis of Dihydrocoumarins via Câ~H Oxidation and Cyclization Cascade. <i>Asian Journal of Organic Chemistry</i> , 2023, 12, .	2.7	1
1950	The isocyanide SN2 reaction. <i>Nature Communications</i> , 2023, 14, .	12.8	0
1951	Recent progress in metal assisted multicomponent reactions in organic synthesis. <i>Frontiers in Chemistry</i> , 0, 11, .	3.6	1
1952	A Palladium-Catalyzed Borylation/Silica Gel Promoted Hydrolysis Sequence for the Synthesis of Hydroquinine-6â€²-Boric Acid and Its Applications. <i>Journal of Organic Chemistry</i> , 2023, 88, 11284-11298.	3.2	1
1953	Chiral Lewis Acid-Catalyzed Asymmetric Multicomponent Michael Reaction through [1,2]-Phospha-Brook Rearrangement. <i>Organic Letters</i> , 2023, 25, 6262-6266.	4.6	3
1954	Cyclohexeneâ€²Embedded Dicyanomethylene Merocyanines â€² Consecutive Threeâ€²Component Couplingâ€²Addition Synthesis and Chromophore Characteristics. <i>ChemistryOpen</i> , 2023, 12, .	1.9	1
1955	Evaluation of antibiofilm properties of dehydroacetic acid (DHA) grafted spiro-oxindolopyrrolidines synthesized via multicomponent 1,3-dipolar cycloaddition reaction. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
1956	[DABCO-C18]Br: A novel basic surfactant for the synthesis of dihydropyrano[3,2-c]chromenes and 2-aminobenzochromenes under ambient conditions. <i>Journal of Molecular Liquids</i> , 2023, 391, 123247.	4.9	2
1957	Efficient and Facile One-Pot Multi-Component Synthesis of Betti Bases Using Bakerâ€™s Yeast for the First Time. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-12.	2.6	0
1958	The Molecular Diversity Scope of Meldrum's Acid in Multicomponent Reactions. <i>ChemistrySelect</i> , 2023, 8, .	1.5	0
1959	Synthesis of Novel Diterpenic Peptides via the Ugi Reaction and Their Anticancer Activities. <i>MolBank</i> , 2023, 2023, M1707.	0.5	0
1960	Stoichiometric Imbalance-promoted Step-growth Polymerization Based on Self-accelerating Three-component Reaction. <i>Chemical Research in Chinese Universities</i> , 2023, 39, 822-828.	2.6	0
1961	Efficacy of Au versus Auâ€²Pd nanoparticles towards synthesis of spirooxindoles via multicomponent reaction. <i>Gold Bulletin</i> , 2023, 56, 43-51.	2.4	0
1962	Visibleâ€²Lightâ€²Induced Multicomponent Reaction of Aromatic Aldehydes, Amines and Sodium Difluoromethanesulfinate: Synthesis of CF₂>Hâ€²Substituted Secondary Amines. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 4132-4137.	4.3	0

#	ARTICLE	IF	CITATIONS
1963	Green metrics in mechanochemistry. Chemical Society Reviews, 2023, 52, 6680-6714.	38.1	14
1964	Paraformaldehyde as C1 Synthon: Electrochemical Three-Component Synthesis of Tetrahydroimidazo[1,5-a]quinoxalin-4(5H)-ones in Aqueous Ethanol. ChemSusChem, 2023, 16, .	6.8	5
1965	Multicomponent hydrosulfonylation of alkynes for the synthesis of vinyl sulfones. Green Chemistry, 2023, 25, 8820-8825.	9.0	4
1966	Preparation of GO/Cys-Cu(II) as a novel, effective and recoverable catalyst for the multi component synthesis of spirooxindoles under mild conditions. Journal of Molecular Structure, 2023, 1294, 136335.	3.6	4
1968	Fabrication and characterization of a novel catalyst based on modified zirconium metal-organic-framework for synthesis of polyhydroquinolines. Scientific Reports, 2023, 13, .	3.3	0
1969	Identification and characterization of a small molecule that activates thiosulfate sulfurtransferase and stimulates mitochondrial respiration. Protein Science, 2023, 32, .	7.6	0
1970	Synthesis, Anticancer Activity and Molecular Docking Studies of Pyrazole Conjugated Pthalazine-2-carbonitriles. Russian Journal of General Chemistry, 2023, 93, 2076-2082.	0.8	0
1971	Unprecedented, <sc>catalyst-free</sc> and rapid <sc>one-pot</sc>, <sc>three-component</sc> green synthesis of substituted 3-hydroxy-2-oxindoles in water. Journal of Heterocyclic Chemistry, 2023, 60, 2063-2071.	2.6	0
1972	Passerini three-component reaction for the synthesis of saccharide branched cellulose. International Journal of Biological Macromolecules, 2023, , 127367.	7.5	0
1973	Lipase-catalyzed one-pot four-component reaction in water: green construction of substituted 2,3-dihydrothiophenes. New Journal of Chemistry, 0, , .	2.8	0
1974	Three-Component Photochemical 1,2,5-Trifunctionalizations of Alkenes toward Densely Functionalized Lynchpins. Journal of the American Chemical Society, 2023, 145, 23814-23823.	13.7	0
1975	A Three-Component Arene Difunctionalization: Merger of C(sp³)/(sp²)-H Bond Addition. Angewandte Chemie, 2023, 135, .	2.0	0
1976	A Three-Component Arene Difunctionalization: Merger of C(sp³)/(sp²)-H Bond Addition. Angewandte Chemie - International Edition, 2023, 62, .	13.8	0
1977	FeCl3-Catalyzed AB2 Three-component [3 + 3] Annulation: An Efficient Access to Functionalized Indolo[3,2-b]carbazoles. Organic Chemistry Frontiers, 0, , .	4.5	0
1978	Domino Three-Component <i>N</i>-Acylation/[4 + 2] Cycloaddition/Alder-ene Synthesis of Polysubstituted Benzo[<i>f</i>]isoindole-4-carboxylic Acids. Journal of Organic Chemistry, 2023, 88, 15029-15040.	3.2	0
1979	Mechanistic Insights on Pd-Catalyzed Three-Component Reactions of Alkynols, Methyl Orthoformate, and Salicylaldehyde Derivatives. Application to the Synthesis of Steroid Chroman Ketals and Spiroketal with Antioxidant Activity. Journal of Organic Chemistry, 0, , .	3.2	0
1980	Design, molecular docking and synthesis of pyrazino[1,2-a] indole derivatives via tandem Ugi-4CR/intramolecular cyclization as potential urease inhibitor agents. Journal of Molecular Structure, 2024, 1297, 136939.	3.6	0
1981	Enantioselective Assembly of \hat{I}^{\pm} , \hat{I}^{\pm} -Diamine Acid Derivatives <i>via</i> Three-Component Reaction of \hat{I}^{\pm} -Diazoacetates with Sulfonamides and Imines. Advanced Synthesis and Catalysis, 2023, 365, 4609-4615.	4.3	1

#	ARTICLE	IF	CITATIONS
1982	Multifunctional agents against Alzheimer's disease based on oxidative stress: Polysubstituted pyrazine derivatives synthesized by multicomponent reactions. <i>Bioorganic and Medicinal Chemistry</i> , 2023, 96, 117535.	3.0	0
1983	Ag-catalyzed three-component radical cascade synthesis of 3-organoselenyl chromones from 2-methoxyaryl alkynones, Se powder and organic boronic acids. <i>New Journal of Chemistry</i> , 2023, 47, 21670-21676.	2.8	0
1984	Synthesis of a new complex of lanthanum on MCM-41 as an efficient and reusable heterogeneous catalyst for the chemoselective synthesis of sulfoxides and tetrahydrobenzo[b]pyrans. <i>Journal of Porous Materials</i> , 0, .	2.6	1
1985	Synthesis of Luminescent Indolo[2,1-b]quinazolin-6(12H)-ones via a Sequential Ugi/Iodine-Promoted Cyclization/Staudinger/Aza-Wittig Reaction. <i>Journal of Organic Chemistry</i> , 2023, 88, 16424-16434.	3.2	1
1986	Application of novel magnetic H-bonding catalyst for synthesis of hybrid pyridine-triazole derivatives bearing indole or sulfonamide segments. <i>Journal of Physics and Chemistry of Solids</i> , 2024, 186, 111786.	4.0	0
1988	Indole-pyridine carbonitriles: multicomponent reaction synthesis and bio-evaluation as potential hits against diabetes mellitus. <i>Future Medicinal Chemistry</i> , 2023, 15, 1943-1965.	2.3	0
1989	The expediency of [BCMIM][Cl] ionic salt in the synthesis of tetraketones: Insights into their photophysical properties and theoretical calculations. <i>Journal of Molecular Structure</i> , 2024, 1299, 137053.	3.6	0
1990	Access to Imidazopyrazine Conjugated Benzamides as Potential Anticancer Agents. <i>Russian Journal of General Chemistry</i> , 2023, 93, 2717-2725.	0.8	0
1991	One pot three component synthesis of α -methylated ketones from secondary and primary aryl alcohols. <i>New Journal of Chemistry</i> , 0, .	2.8	0
1992	Three-Component 1,4-Addition through Ugi-Type Reaction, an Oxidative Dearomatization Strategy. <i>Asian Journal of Organic Chemistry</i> , 2024, 13, .	2.7	0
1993	Recent Advancements in Strategies for the Synthesis of Imidazoles, Thiazoles, Oxazoles, and Benzimidazoles. <i>ChemistrySelect</i> , 2023, 8, .	1.5	0
1994	Multicomponent synthesis of spiroannulated hybrid molecules with preferred substructures using indium triflate as a sustainable catalyst. <i>Research on Chemical Intermediates</i> , 2024, 50, 251-264.	2.7	0
1995	A four-component reaction to access 3,3-disubstituted indolines via the palladium-norbornene-catalyzed ortho ipso conjunctive coupling. <i>Chemical Science</i> , 2024, 15, 1318-1323.	7.4	0
1996	Direct-to-biology, automated, nano-scale synthesis, and phenotypic screening-enabled E3 ligase modulator discovery. <i>Nature Communications</i> , 2023, 14, .	12.8	1
1997	A Direct Synthesis of Substituted Exocyclic 1-pyrrol-3(2H)-ones by Base-Mediated Multicomponent [3+2] Cycloaddition. <i>Advanced Synthesis and Catalysis</i> , 2024, 366, 473-479.	4.3	0
1999	Development of new magnetic nanocomposite designed by reduced graphene oxide aerogel and HKUST-1, and its catalytic application in the synthesis of polyhydroquinoline and 1,8-dioxo-decahydroacridine derivatives. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
2000	Recent Advances in the Synthesis of Peptidomimetics via Ugi Reactions. <i>Chemistry - A European Journal</i> , 2024, 30, .	3.3	1
2001	Thiol-free multicomponent synthesis of non-racemic β -acyloxy thioethers from biocatalytically obtained chiral halohydrins. <i>Organic and Biomolecular Chemistry</i> , 2024, 22, 1420-1425.	2.8	0

#	ARTICLE	IF	CITATIONS
2002	Multicomponent Cyclizative 1,2â€Rearrangement Enabled Enantioselective Construction of 2,2â€Disubstituted Pyrrolinones. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	13.8	0
2003	Multicomponent Cyclizative 1,2â€Rearrangement Enabled Enantioselective Construction of 2,2â€Disubstituted Pyrrolinones. <i>Angewandte Chemie</i> , 2024, 136, .	2.0	0
2004	A highly efficient [3+2] cyclization between 4-aminopyridinones and acenaphthenequinone: Access to novel acenaph-tho[1â€²,2':4,5]pyrrolo[3,2-c]pyridin-11-ones. <i>Tetrahedron</i> , 2024, 151, 133815.	1.9	0
2005	Recent advances in the synthesis of six-membered heterocycles via multicomponent reactions (from) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	0
2006	Recent advances in the application of alkynes in multicomponent reactions. <i>RSC Advances</i> , 2024, 14, 278-352.	3.6	0
2007	Synthesis of Novel Diphenyl Ether-Based Bis-Heterocycles as Novel Hybrid Molecules via Michael and Other Cyclocondensation Reactions. <i>ACS Omega</i> , 0, , .	3.5	0
2008	Crystal Clear: Decoding Isocyanide Intermolecular Interactions through Crystallography. <i>Journal of Organic Chemistry</i> , 2024, 89, 957-974.	3.2	0
2009	Recent Advances in the Multicomponent Synthesis of Heterocycles Using 5-Aminotetrazole. <i>Synthesis</i> , 0, , .	2.3	1
2010	Tsujiâ€Trost Based Cascades: From Passerini Adducts of Cinnamaldehyde to Allylated Oxazolones. <i>Journal of Organic Chemistry</i> , 2024, 89, 2009-2013.	3.2	0
2011	Recent advances in the synthesis and utility of thiazoline and its derivatives. <i>RSC Advances</i> , 2024, 14, 902-953.	3.6	0
2012	Overview of Transition Metal Catalyzed Multicomponent Reactions Based on Trapping of Allylic Electrophiles. <i>ChemCatChem</i> , 2024, 16, .	3.7	0
2013	New efficient synthesis of polysubstituted benzo[d]pyrido[1â€²,2':1,2]imidazo[4,5-f][1,3]diazepines and pyrido[2â€²,1':2,3]imidazo[1,5-c]quinazolin-7-ium salts via Groebke-Blackburn-Bienaymâ€Staudinger/aza-Wittig/carbodiimide-mediated annulation sequence. <i>Tetrahedron</i> , 2024, 152, 133834.	1.9	0
2014	Novel SK channel positive modulators prevent ferroptosis and excitotoxicity in neuronal cells. <i>Biomedicine and Pharmacotherapy</i> , 2024, 171, 116163.	5.6	0
2015	Fused chromeno-pyrano-pyrimidinediones: Multi-component green synthesis and electrochemical properties. <i>Journal of Molecular Liquids</i> , 2024, 396, 123950.	4.9	0
2016	Metal-organic framework (ZIF-8) for Knoevenagel condensation and multi-components Biginelli Reaction. <i>Journal of Solid State Chemistry</i> , 2024, 332, 124534.	2.9	0
2017	Efficient synthesis of novel thiadiazolo[2,3-b]quinazolin-6-ones catalyzed by diphenhydramine hydrochloride-CoCl2â€6H2O deep eutectic solvent. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
2018	Facile Synthesis of Pyrazolopyranopyrimidines by Synergism of Ultrasound Irradiation and Biocompatible Inulin Biopolymer as Catalyst. <i>ChemistrySelect</i> , 2024, 9, .	1.5	0
2019	Substrateâ€induced Selective <i>sp</i>³â€H Activation of <i>N</i>-alkyl Amines: Synthesis of Coumarinâ€fused Quinolinones under Air. <i>Advanced Synthesis and Catalysis</i> , 2024, 366, 1430-1435.	4.3	0

#	ARTICLE	IF	CITATIONS
2020	High-Throughput Miniaturized Synthesis of PROTAC-Like Molecules. Small, 0, , .	10.0	0
2021	Cu-catalyzed alkylarylation of alkenes <i>via N</i>-directed remote C(sp ³)-H functionalization. Organic Chemistry Frontiers, 2024, 11, 1484-1489.	4.5	0
2022	Cyclization of ethyl 4,4,4-trifluoroacetoacetate and cycloheptanone with dinucleophiles in the design of new alkaloid-like structures. Russian Chemical Bulletin, 2023, 72, 2889-2897.	1.5	0
2023	Visible Light-Induced Photoredox and Copper-Catalyzed C-N Cross-Coupling: A Mechanistic Perspective. European Journal of Organic Chemistry, 2024, 27, .	2.4	0
2024	Assembly of tetracoordinated organoboron complexes from 8-aminoquinoline, aryltrifluoroborates and acylating reagents via three-component cascade reactions. Tetrahedron, 2024, 154, 133853.	1.9	0
2025	Modular Assembly of 2-Aminoaniline Derivatives by Merging Hydroxylamine-Passerini and Hetero-Cope Rearrangement. Organic Letters, 2024, 26, 1358-1363.	4.6	0
2026	Green and Efficient One-Pot Synthesis of 9-(1H-Indol-2-yl)-5,6,7,9-tetrahydrotetrazolo[5,1-b]quinazolin-8(4H)-ones. Russian Journal of General Chemistry, 2023, 93, S885-S892.	0.8	0
2027	Cu@Ag-CeO ₂ /Chitosan Nanocomposite: Green Catalyst for Synthesis of 4-Arylidene-isoxazolidinones and Amidoalkyl Naphthols with Density Functional Theory and Antimicrobial Studies. ACS Sustainable Chemistry and Engineering, 2024, 12, 3419-3438.	6.7	0
2028	Synthesis and Antiproliferative Properties of Some Spirocyclic Pyrimidine Hydrazones. ChemistrySelect, 2024, 9, .	1.5	0
2029	Photoinduced, Palladium-Catalyzed Enantioselective 1,2-Alkylsulfonylation of 1,3-Dienes. ACS Catalysis, 2024, 14, 3725-3732.	11.2	0
2030	Zinc-aluminum mixed oxide nanocomposites catalyzed KA2 coupling of ketone, amine, and an alkyne: An environmentally benign approach. Tetrahedron Letters, 2024, 139, 154987.	1.4	0
2031	MnFe ₂ O ₄ nanoparticle as a new and magnetically separable nanocatalyst for solvent-free synthesis of dihydropyrano [2,3-c]pyrazole derivatives. International Journal of Scientific Research in Science and Technology, 2024, , 318-326.	0.1	0
2032	Sustainable polymers from renewable resources through click and multicomponent reactions. European Polymer Journal, 2024, 209, 112897.	5.4	0
2033	Furo, Pyrano, and Pyrido[2,3-d]Pyrimidines: A Comprehensive Review of Synthesis and Medicinal Applications. ChemistrySelect, 2024, 9, .	1.5	0
2034	Green Synthesis of Bimetallic Nanoparticles and its Catalytic Activity of Multicomponent Reactions and Antibacterial Activity. ChemistrySelect, 2024, 9, .	1.5	0
2035	Four component Ugi reaction based small-molecule probes for integrated phenotypic screening. Bioorganic Chemistry, 2024, 146, 107257.	4.1	0
2036	Synthesis of Some Novel bis-Dihydrobenzochromenes Using CaO Nanoparticles Prepared from Eggshell as a Green and Natural Catalyst. Organic Preparations and Procedures International, 0, , 1-6.	1.3	0
2037	Base-Catalyzed Cascade Cyclization of 2-Nitrochalcones and Isocyanides to Access Pyrano[3,4-b]indol-1(9H)-one Frameworks. Journal of Organic Chemistry, 2024, 89, 4549-4559.	3.2	0

#	ARTICLE	IF	CITATIONS
2038	A Novel One-Pot Three-Component Approach to Orthoaminocarbonitrile Tetrahydronaphthalenes Using Triethylamine (Et ₃ N) as a Highly Efficient and Homogeneous Catalyst Under Mild Conditions and Investigating Its Anti-cancer Properties Through Molecular Docking Studies and Calculations. Qeios, 0, , .	0.0	0