CITATION REPORT List of articles citing

Maximizing synthetic efficiency: multi-component transformations lead the way

DOI: 10.1002/1521-3765(20000915)6:183.0.co;2-a Chemistry - A European Journal, 2000, 6, 3321-9.

Source: https://exaly.com/paper-pdf/31293518/citation-report.pdf

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1011	Papers on combinatorial chemistry or solid-phase synthesis from other journals - November 2000. 2000 , 3, 5-6		
1010	Dihydropyridines in MCRs. Tandem processes leading to modular tetrahydroquinoline systems with up to 6 diversity elements. 2003 , 6, 171-5		13
1009	Passerini reactionamine deprotectionacyl migration (PADAM): A convenient strategy for the solid-phase preparation of peptidomimetic compounds. 2003 , 6, 227-35		35
1008	Decoration of dihydropyrimidine and dihydropyridine scaffolds with sugars via Biginelli and Hantzsch multicomponent reactions: an efficient entry to a collection of artificial nucleosides. 2003 , 6, 261-70		25
1007	New MCRs: the first 4-component reaction leading to 2,4-disubstituted thiazoles. 2003 , 6, 297-313		54
1006	Editorial. 2000 , 6, 169-170		
1005	A novel multicomponent synthesis of polysubstituted 5-aminooxazole and its new scaffold-generating reaction to pyrrolo[3,4-b]pyridine. 2001 , 3, 877-80		160
1004	An efficient synthesis of morpholin-2-one derivatives using glycolaldehyde dimer by the Ugi multicomponent reaction. 2001 , 3, 4149-52		63
1003	Facile three-component coupling procedure for the synthesis of substituted tetrahydroisoindole-1,3-diones from alpha,beta-unsaturated aldehydes. 2001 , 3, 2895-8		29
1002	A rapid access to biaryl ether containing macrocycles by pairwise use of Ugi 4CR and intramolecular S(N)Ar-based cycloetherification. 2001 , 3, 4079-82		79
1001	A novel three-component butenolide synthesis. 2001 , 3, 2875-8		84
1000	Alkynoates as a source of reactive alkylinides for aldehyde addition reactions. 2001 , 3, 1905-8		36
999	Parallel synthesis of dihydropyrimidinones using Yb(III)-resin and polymer-supported scavengers under solvent-free conditions. A green chemistry approach to the Biginelli reaction. 2001 , 42, 7975-797	78	144
998	A new multicomponent coupling of aldehydes, amides, and dienophiles: atom-efficient one-pot synthesis of highly substituted cyclohexenes and cyclohexadienes. 2001 , 123, 8398-9		54
997	Three-component Biginelli cyclocondensation reaction using C-glycosylated substrates. Preparation of a collection of dihydropyrimidinone glycoconjugates and the synthesis of C-glycosylated monastrol analogues. 2002 , 67, 6979-94		107
996	Ammonium chloride-promoted four-component synthesis of pyrrolo[3,4-b]pyridin-5-one. 2002 , 124, 25	60-7	189
995	A novel metal iodide promoted three-component synthesis of substituted pyrrolidines. 2002 , 4, 3147-5	50	119

(2003-2002)

994	Liquid-phase combinatorial synthesis of alicyclic beta-lactams via Ugi four-component reaction. 2002 , 4, 1967-9	79
993	Multicomponent reactions involving 2-methyleneaziridines: rapid synthesis of 1,3-disubstituted propanones. 2002 , 67, 935-42	46
992	Rapid access to tetracyclic ring system of lennoxamine type natural product by combined use of a novel three-component reaction and Pummerer cyclization. 2002 , 2448-9	29
991	A Five-Component Synthesis of Hexasubstituted Benzene. 2002 , 114, 4467-4470	23
990	Formation and Characterization of the First Monoalumoxane, LAlO?B(C6F5)3. 2002, 114, 4470-4472	29
989	A five-component synthesis of hexasubstituted benzene. 2002 , 41, 4291-4	81
988	Formation and characterization of the first monoalumoxane, LAlO.B(C6F5)3. 2002, 41, 4294-6	73
987	Poly(ethylene glycol)-Supported 4-Alkylthio-Substituted Aniline & Useful Starting Material for the Soluble Polymer-Supported Synthesis of Imines and 1,2,3,4-Tetrahydroquinolines. 2002 , 2002, 1184-1190	16
986	Synthesis of novel chiral ligands from amino acids by the Ugi reaction. 2002 , 13, 1929-1936	28
985	Multi-component coupling reactions of aldehydes and amides with maleic anhydride: synthesis of 7-oxo-6-azabicyclo[3.2.1]oct-2-ene-8-carboxylic acids. 2002 , 58, 2381-2387	21
984	Preparation of ⊞-aminophosphines on solid support: model studies and parallel synthesis. 2002 , 58, 5147-515	817
983	Multicomponent domino process to oxa-bridged polyheterocycles and pyrrolopyridines, structural diversity derived from work-up procedure. 2002 , 58, 6351-6358	60
982	Petasis boronic acidMannich reactions of substituted hydrazines: synthesis of \Box -hydrazinocarboxylic acids. 2002 , 43, 6845-6847	46
981	Simultaneous assembly of the flactam and thiazole moiety by a new multicomponent reaction. 2002 , 43, 6897-6901	45
980	Donor-acceptor-substituted cyclopropane derivatives and their application in organic synthesis. 2003 , 103, 1151-96	1210
979	A combinatorial scaffold approach based upon a multicomponent reaction. 2003 , 5, 1551-4	24
978	Oxidative cyclization in the synthesis of 5- and 6-membered N,O-heterocycles. 2003 , 14, 642-670	6
977	Pd-Assisted Multicomponent Synthesis of Heterocycles. 2003 , 2003, 4101-4111	429

976	Recent Developments in the Isonitrile-Based Multicomponent Synthesis of Heterocycles. 2003 , 2003, 1133-1144	835
975	Liquid-phase synthesis of mixture-based bicyclic Elactam libraries. 2003 , 40, 951-956	9
974	Lanthanide(III)-catalyzed multi-component aza-DielsAlder reaction of aliphatic N-arylaldimines with cyclopentadiene. 2003 , 44, 7569-7573	55
973	Dihydropyridine-based MCRs. New reaction pathways in the interaction with ethyl glyoxalate and non-aromatic amines. 2003 , 44, 8449-8452	22
972	Novel Petasis boronic acid reactions with 1,3,5-tri-oxygenated benzenes. 2003 , 44, 8861-8863	13
971	Hydroxylamines and sulfinamide as amine components in the Petasis boronic acidMannich reaction: synthesis of N-hydroxy or alkoxy-∃-aminocarboxylicacids and N-(tert-butyl sulfinyl)-∃-amino carboxylicacids. 2003 , 44, 8865-8868	32
970	A tandem Petasis II gi multi component condensation reaction: solution phase synthesis of six dimensional libraries. 2003 , 44, 603-605	56
969	MCC/SNAr methodology. Part 2: Novel three-step solution phase access to libraries of benzodiazepines. 2003 , 44, 1947-1950	47
968	Solid-phase synthesis of five-dimensional libraries via a tandem Petasis Dgi multi-component condensation reaction. 2003 , 44, 5121-5124	45
967	Novel Petasis boronic acidMannich reactions with tertiary aromatic amines. 2003, 44, 5819-5821	24
966	The synthesis of aza-Elactams via tandem Petasis Dgi multi-component condensation and 1,3-diisopropylcarbodiimide (DIC) condensation reaction. 2003 , 44, 6297-6300	33
965	Multicomponent approach for the synthesis of non-natural tryptophan, tryptamine and Etarboline derivatives. 2003 , 6, 517-528	15
964	The Generation of Dihydropyrimidine Libraries Utilizing Biginelli Multicomponent Chemistry. 2003 , 22, 630-645	130
963	Short and diverse route toward complex natural product-like macrocycles. 2003 , 5, 1047-50	100
962	Chiral recognition: design and preparation of chiral stationary phases using selectors derived from ugi multicomponent condensation reactions and a combinatorial approach. 2003 , 5, 441-50	27
961	Novel multicomponent reaction for the combinatorial synthesis of 2-imidazolines. 2003 , 5, 3759-62	107
960	Out of the oil bath and into the ovenmicrowave-assisted combinatorial chemistry heats up. 2003 , 1, 1251-5	125
959	Pyridazines. Part 37: Facile solution phase combinatorial synthesis of highly substituted pyridazin-3-ones. 2004 , 8, 159-63	4

958	Concise synthesis of isoquinoline via the Ugi and Heck reactions. 2004 , 6, 3155-8	99
957	Three-component sequential aza[4+2] cycloaddition/allylboration/retro-sulfinyl-ene reaction: a new stereocontrolled entry to palustrine alkaloids and other 2,6-disubstituted piperidines. 2004 , 43, 2001-4	53
956	Pyrrole syntheses by multicomponent coupling reactions. 2004 , 43, 6238-41	291
955	Novel three-component reactions based on a Heck carbopalladation/cyclization domino reaction. 2004 , 43, 5997-6000	33
954	Three-Component Sequential Aza[4+2] Cycloaddition/Allylboration/Retro-Sulfinyl-Ene Reaction: A New Stereocontrolled Entry to Palustrine Alkaloids and Other 2,6-Disubstituted Piperidines. 2004 , 116, 2035-2038	10
953	Pyrrolsynthese durch Mehrkomponenten-Kupplungen. 2004 , 116, 6396-6399	66
952	Dreikomponentenreaktionen auf der Basis einer Heck-Carbopalladierungs-Cyclisierungs-Dominoreaktion. 2004 , 116, 6123-6127	22
951	Synthetic methods for Ilactam and pyrrole derivatives exploiting a three-component coupling strategy. 2004 , 45, 1195-1197	17
950	Synthesis of carbazoles by a balanced four component condensation. 2004 , 45, 1703-1707	32
949	Synthesis of C-glycosyl Elamino acids by asymmetric Mannich-type three-component reactions. 2004 , 45, 2381-2384	19
948	Pyridazine derivatives. Part 38: Efficient Heck alkenylation at position 5 of the 6-phenyl-3(2H)-pyridazinone system. 2004 , 45, 3459-3463	17
947	One-pot sequential BaylisHillman and Michael reactions. 2004 , 45, 7141-7143	21
946	Straightforward ∃-carbamoylation of NADH-like dihydropyridines and enol ethers. 2004 , 45, 7907-7909	17
945	Pd-catalyzed one-pot coupling of allylamines, activated alkenes, and unsaturated halides (or triflate): an atom efficient synthesis of highly functionalized pyrrolidines. 2004 , 689, 3831-3836	20
944	NOVEL THREE COMPONENT SYNTHESIS OF 1,2,4-TRIAZOLO[3,4-b]THIAZOLES AND THEIR ANTIMICROBIAL ACTIVITY. 2004 , 179, 1019-1026	8
943	Ammonium chloride promoted Ugi four-component, five-center reaction of alpha-substituted alpha-isocyano acetic acid: a strong solvent effect. 2004 , 6, 4771-4	39
942	Multicomponent coupling approach to (+/-)-frondosin B and a ring-expanded analogue. 2004 , 6, 457-60	70
941	Stereochemical control of the Passerini reaction. 2004 , 6, 4231-3	154

940	Utilisation of 1,3-Dicarbonyl Derivatives in Multicomponent Reactions. 2004 , 2004, 4957-4980	487
939	Group 6 Fischer carbene complexes: Themical multitalents[for multi-component reactions. 2005, 690, 539-587	120
938	Titanium-catalyzed iminohydrazination of alkynes. 2005 , 690, 5066-5077	64
937	Green chemical multi-component one-pot synthesis of fluorinated 2,3-disubstituted quinazolin-4(3H)-ones under solvent-free conditions and their anti-fungal activity. 2005 , 126, 307-312	35
936	A new synthesis of Eketo amides by reduction of Passerini adducts. 2005 , 46, 23-26	34
935	Parallel synthesis of tandem Ugi/DielsAlder reaction products on a soluble polymer support directed toward split-pool realization of a small molecule library. 2005 , 46, 415-418	33
934	Petasis reaction of activated quinoline and isoquinoline with various boronic acids. 2005 , 46, 3053-3056	23
933	A synthetic route to 11-(1H-pyrrol-1-yl)-11H-indeno[1,2-b]quinoxaline derivatives exploiting a three-component coupling strategy under microwave irradiation. 2005 , 46, 6155-6157	22
932	On the use of boronates in the Petasis reaction. 2005 , 46, 8027-8031	44
931	Pyridazine derivatives. Part 40: Reactivity of 5-alkynylpyridazin-3(2H)-ones toward hydrochloric acid. 2005 , 61, 4785-4791	9
930	One-pot enzymatic desymmetrization and Ugi MCR. 2005 , 61, 6064-6072	16
929	A novel base-promoted synthesis of <code>Endolylketones</code> via a three-component condensation under ultrasonic irradiation. 2005 , 61, 10552-10558	38
928	B-Aryl/heteroaryl substituted heterocycles via sequential Pd-catalysed termolecular cascade/ring closing metathesis (RCM). 2005 , 61, 10652-10666	19
927	Synthesis of polystyrene-bound perfluoroalkyl sulfonic acids and the application of their ytterbium salts in multicomponent reactions (MCRs). 2005 , 61, 12042-12052	23
926	Rhodium(I) catalyzed four-component reaction of Fischer alkenyl carbene complexes and 1,1-diphenylallene. 2005 , 61, 11327-11332	14
925	A facile and efficient synthesis of enyne-reaction precursors by multicomponent reactions. 2005 , 61, 11333-11344	36
924	Straightforward synthesis of di-, tri- and tetracyclic lactams via catalytic Pausonkhand and AlderEne reactions of MCR products. 2005 , 61, 11345-11354	26
923	Wanted: new multicomponent reactions for generating libraries of polycyclic natural products. 2005 , 9, 266-76	148

(2005-2005)

922	Multicomponent synthesis of 2-imidazolines. 2005 , 70, 3542-53	141
921	A novel MCR of isocyanates, aldehydes, and dienophiles. 2005 , 7, 4321-4	15
920	A concise and diversity-oriented strategy for the synthesis of benzofurans and indoles via Ugi and Diels-Alder reactions. 2005 , 7, 958-67	67
919	A DECADE OF ADVANCES IN THREE-COMPONENT REACTIONS. 2005 , 37, 103-171	48
918	Multicomponent domino reaction from beta-ketoamides: highly efficient access to original polyfunctionalized 2,6-diazabicyclo[2.2.2]octane cores. 2005 , 127, 17176-7	164
917	Functionalized cyclobutenes via multicomponent thermal [2 + 2] cycloaddition reactions. 2005 , 7, 4233-6	24
916	Stereoselective Synthesis of 1,2,3-Trisubstituted 1,3-Dienes through Novel [3,3]-Sigmatropic Rearrangements in ∃-Allenic Methanesulfonates: Application to the Preparation of Fused Tricyclic Systems by Tandem Rearrangement/DielsAlder Reaction. 2005 , 2005, 98-106	41
915	Multicomponent Reaction of Aldehydes, Anhydrides, and Dienophiles: Synthesis of B utterfly L ike Diazatetradecenes. 2005 , 2005, 107-113	16
914	Multicomponent Strecker Reaction under High Pressure. 2005 , 88, 1734-1753	34
913	A Novel Coupling 1,3-Dipolar Cycloaddition Sequence as a Three-Component Approach to Highly Fluorescent Indolizines. 2005 , 88, 1798-1812	107
912	Asymmetric multicomponent reactions (AMCRs): the new frontier. 2005, 44, 1602-34	1454
911	Diversity oriented one-pot synthesis of complex macrocycles: very large steroid-peptoid hybrids from multiple multicomponent reactions including bifunctional building blocks. 2005 , 44, 4785-90	85
910	A catalytic asymmetric three-component 1,4-addition/aldol reaction: enantioselective synthesis of the spirocyclic system of vannusal A. 2005 , 44, 3874-9	89
909	Straightforward access to a structurally diverse set of oxacyclic scaffolds through a four-component reaction. 2005 , 44, 6521-5	83
908	Phenol Ugi-smiles systems: strategies for the multicomponent N-arylation of primary amines with isocyanides, aldehydes, and phenols. 2005 , 44, 7961-4	147
907	Neue Entwicklungen in der asymmetrischen Mehrkomponenten-Reaktion. 2005 , 117, 1628-1661	352
906	Diversity Oriented One-Pot Synthesis of Complex Macrocycles: Very Large Steroid Peptoid Hybrids from Multiple Multicomponent Reactions Including Bifunctional Building Blocks. 2005 , 117, 4863-4868	21
905	A Catalytic Asymmetric Three-Component 1,4-Addition/Aldol Reaction: Enantioselective Synthesis of the Spirocyclic System of Vannusal A. 2005 , 117, 3942-3947	26

904	Straightforward Access to a Structurally Diverse Set of Oxacyclic Scaffolds through a Four-Component Reaction. 2005 , 117, 6679-6683		23
903	Phenol Ugißmiles Systems: Strategies for the Multicomponent N-Arylation of Primary Amines with Isocyanides, Aldehydes, and Phenols. 2005 , 117, 8175-8178		40
902	Rhodium-Catalyzed, Three-Component Reaction of Diazo Compounds with Amines and Azodicarboxylates. 2005 , 347, 531-534		45
901	Post-Condensation Modifications of the Passerini and Ugi Reactions. 2005 , 33-75		47
900	Synthesis of enantiomerically pure cyclohex-2-en-1-ols: development of novel multicomponent reactions. <i>Chemistry - A European Journal</i> , 2005 , 11, 4210-8	4.8	24
899	Multicomponent domino processes based on the organocatalytic generation of conjugated acetylides: efficient synthetic manifolds for diversity-oriented molecular construction. <i>Chemistry - A European Journal</i> , 2005 , 11, 3502-10	4.8	113
898	Multiple component approaches to C-glycosyl beta-amino acids by complementary one-pot Mannich-type and Reformatsky-type reactions. <i>Chemistry - A European Journal</i> , 2005 , 11, 7110-25	4.8	40
897	A novel three-component reaction designed by the combinatorial method: heteroarenes, isothiocyanates and isocyanides. 2005 , 9, 221-7		13
896	2-Amino-4,6-diphenyl-4H-1,3-oxazinium trifluoroacetate. 2005 , 61, o3149-o3151		1
895	. 2005,		1268
895 894	. 2005, . 2005,		1268 649
894	. 2005, Are Multicomponent Strecker Reactions of Diketones with Diamines under High Pressure		649
8 ₉₄ 8 ₉₃	. 2005, Are Multicomponent Strecker Reactions of Diketones with Diamines under High Pressure Amenable to Heterocyclic Synthesis?. 2005, 66, 675 Single-Pot Solution Phase Synthesis Optimization Using Fully Automated Systems for		649
894 893 892	. 2005, Are Multicomponent Strecker Reactions of Diketones with Diamines under High Pressure Amenable to Heterocyclic Synthesis?. 2005, 66, 675 Single-Pot Solution Phase Synthesis Optimization Using Fully Automated Systems for Combinatorial Screening. 2005, 10, 237-241 A novel three-component one-pot reaction involving alkynes, urea or thiourea, and aldehydes. 2005		649 13 5
894 893 892	. 2005, Are Multicomponent Strecker Reactions of Diketones with Diamines under High Pressure Amenable to Heterocyclic Synthesis?. 2005, 66, 675 Single-Pot Solution Phase Synthesis Optimization Using Fully Automated Systems for Combinatorial Screening. 2005, 10, 237-241 A novel three-component one-pot reaction involving alkynes, urea or thiourea, and aldehydes. 2005, 7, 3797-9		64913546
894 893 892 891	. 2005, Are Multicomponent Strecker Reactions of Diketones with Diamines under High Pressure Amenable to Heterocyclic Synthesis?. 2005, 66, 675 Single-Pot Solution Phase Synthesis Optimization Using Fully Automated Systems for Combinatorial Screening. 2005, 10, 237-241 A novel three-component one-pot reaction involving alkynes, urea or thiourea, and aldehydes. 2005, 7, 3797-9 A palladium-catalyzed regio- and stereoselective four-component coupling reaction. 2005, 70, 785-96		6491354647

(2006-2005)

886	The Passerini Reaction. 2005 , 1-140	73
885	Asymmetric synthesis of multifunctionalized pyrrolines by a ruthenium porphyrin-catalyzed three-component coupling reaction. 2005 , 7, 5349-52	43
884	Trifluoroacetic anhydride-mediated solid-phase version of the Robinson-Gabriel synthesis of oxazoles. 2005 , 7, 463-73	43
883	Synthesis of highly functionalized pyrrolidines via a mild one-pot, three-component 1,3-dipolar cycloaddition process. 2005 , 70, 10868-71	29
882	A modular, one-pot, four-component synthesis of polysubstituted 1,3-oxazolidines. 2005 , 70, 1042-5	29
881	Nucleophilic Addition Reactions of Aryl and Alkenylboronic Acids and Their Derivatives to Imines and Iminium Ions. 2006 , 279-304	1
88o	Multicomponent synthesis of dihydrobenzoxazepinones by coupling Ugi and Mitsunobu reactions. 2006 , 4, 4236-40	35
879	Coupling-isomerization-N,S-ketene acetal-addition sequencesa three-component approach to highly fluorescent pyrrolo[2,3-b]pyridines, [1,8]naphthyridines, and pyrido[2,3-b]azepines. 2006 , 71, 3494-500	44
878	Two novel diastereoselective three-component reactions of alkenes or 3,4-dihydro-(2H)-pyran with urea/thiourea-aldehyde mixtures: [4 + 2] cycloaddition vs Biginelli-type reaction. 2006 , 8, 2599-602	38
877	A novel and green version of the Passerini reaction in an ionic liquid ([bmim][BF4]). 2006, 84, 794-799	25
876	Synthesis and antimicrobial activity of N-analogous corollosporines. 2006 , 4, 1365-75	32
875	Facile synthesis of chromeno[4,3-b]quinolin-6-ones from unexpected reactions of aryl isocyanides with 4-chloro-2-oxo-2H-chromene-3-carbaldehyde. 2006 , 4, 1348-51	22
874	Chemo-differentiating MCRs based on alpha-ketoesters and terminal alkynoates. A homoaldol-based ABB' system. 2006 , 2667-9	30
873	New coupling reaction of secondary amines, aldehydes, and alkynes catalyzed by an iridium complex. 2006 , 8, 2459-62	10
872	Novel and efficient synthesis of iminocoumarins via copper-catalyzed multicomponent reaction. 2006 , 8, 4517-20	151
871	Tandem asymmetric conjugate addition/alpha-alkylation using (S,S)-(+)-pseudoephedrine as chiral auxiliary. 2006 , 8, 2535-8	26
870	New Protocol to Synthesize Spiro-1,4-dihydropyridines by Using a Multicomponent Reaction of Cyclohexanone, Ethyl Cyanoacetate, Isatin, and Primary Amines under Microwave Irradiation. 2006 , 36, 3563-3570	15
869	Design of Multi-Component Reactions: From Libraries of Compounds to Libraries of Reactions. 2006 , 25, 423-431	99

868	Hydro-, Halo- and Seleno-Carbamoylation of Cyclic Enol Ethers and Dihydropyridines: New Mechanistic Pathways for Passerini- and Ugi-type Multicomponent Reactions. 2006 , 25, 465-473	15
867	Current Developments in Michael Addition-Based Multicomponent Domino Reactions Involving 1,3-Dicarbonyls and Derivatives. 2006 , 25, 432-438	110
866	Expeditious Access to Diversely Substituted Indolizines Using a New Multi-component Condensation. 2006 , 25, 504-508	12
865	Rapid Synthesis of Cyclopeptide Alkaloid-Like para-Cyclophanes by Combined Use of Ugi-4CR and Intramolecular SNAr Reaction. 2006 , 25, 519-526	24
864	Discovery Of Pyrroloimidazoles As Agents Stimulating Neurite Outgrowth. 2006 , 25, 527-535	13
863	New potential biologically active compounds: design and an efficient synthesis of N-substituted 4-aryl-4,6,7,8-tetrahydroquinoline-2,5(1H,3H)-diones under microwave irradiation. 2006 , 16, 2925-8	50
862	New potential inhibitors of cyclin-dependent kinase 4: design and synthesis of pyrido[2,3-d]pyrimidine derivatives under microwave irradiation. 2006 , 16, 3578-81	41
861	Shaken not stirred: a facile synthesis of 1,4-bis(furo[2,3-d]-pyrimidine-2,4(1H,3H)-dione-5-yl)benzenes by one-pot reaction of isocyanides, N,N'-dimethylbarbituric acid, and terephthaldialdehyde. 2006 , 16, 3697-701	37
860	Desosamine in multicomponent reactions. 2006 , 16, 6360-2	16
859	Reaction between alkyl isocyanides and dialkyl acetylenedicarboxylates in the presence of benzoyl cyanides: one-pot synthesis of highly functionalized iminolactones. 2006 , 62, 1845-1848	28
858	Reaction between isocyanides and dialkyl acetylenedicarboxylates in the presence of strong CH-acids: one-pot synthesis of highly functionalized annulated 4H-pyrans. 2006 , 62, 3016-3020	29
857	Reaction between tert-butyl isocyanide, dialkyl acetylenedicarboxylates, and aromatic carboxylic acids: an efficient method for the synthesis of dialkyl (E)-2-{[benzoyl(tert-butyl)amino]carbonyl}-2-butenedioate derivatives. 2006 , 62, 5641-5644	43
856	Sequential addition reaction of lithium acetylides and Grignard reagents to thioiminium salts from thiolactams leading to 2,2-disubstituted cyclic amines. 2006 , 62, 6312-6320	40
855	An easy and general protocol for multicomponent coupling reactions of aldehydes, amides, and dienophiles. 2006 , 62, 10962-10967	16
854	Cyanamide in isocyanide-based MCRs. 2006 , 47, 1745-1747	25
853	Solvent free preparation of amidophosphonates from isocyanides. 2006 , 47, 3945-3947	10
852	Ugi/xanthate cyclizations as a radical route to lactam scaffolds. 2006 , 47, 8259-8261	27
851	HeteropolyacidBilica mediated [3+2] cycloaddition of azomethine ylidesB facile multicomponent one-pot synthesis of novel dispiroheterocycles. 2006 , 47, 9221-9225	37

(2007-2006)

850	Highly efficient three-component synthesis of beta-lactams from N-methylhydroxylamine, aldehydes, and phenylacetylene. 2006 , 1, 203-9	20
849	Recent developments in isocyanide based multicomponent reactions in applied chemistry. 2006 , 106, 17-89	3555
848	Discovery of protein-protein binding disruptors using multi-component condensations small molecules. 2006 , 16, 3998-4001	42
847	Catalytic enantioselective three-component hetero-[4+2] cycloaddition/allylboration approach to alpha-hydroxyalkyl pyrans: scope, limitations, and mechanistic proposal. <i>Chemistry - A European</i> 4.8 <i>Journal</i> , 2006 , 12, 3132-42	70
846	Multicomponent synthesis of dihydropyrimidines and thiazines. <i>Chemistry - A European Journal</i> , 2006 , 12, 7178-89	65
845	Diastereoselective multicomponent cyclizations of Fischer carbene complexes, lithium enolates, and allylmagnesium bromide leading to highly substituted five- and six-membered carbocycles. 4.8 Chemistry - A European Journal, 2006, 12, 7225-35	12
844	Highly diastereoselective silyl-modified sakurai multicomponent reaction. 2006, 45, 3357-60	28
843	A ring-expansion methodology involving multicomponent reactions: highly efficient access to polysubstituted furan-fused 1,4-thiazepine derivatives. 2006 , 45, 7793-7	45
842	Stereoselective Synthesis of EAmino Ketones via Direct Mannich-Type Reactions, Catalyzed with ZrOCl2[BH2O under Solvent-Free Conditions. 2006 , 2006, 5152-5157	71
841	Microwave-promoted Beller Synthesis of N-Substituted 2,3,3a,4,7,7a-Hexahydroisoindole-1,3-diones. 2006 , 24, 689-694	4
840	Four component and solvent-free synthesis of some new spiro-1,4-dihydropyridines on solid support montmorillonite K10. 2006 , 43, 1349-1352	9
839	Hoch diastereoselektive silylmodifizierte Sakurai-Mehrkomponentenreaktion. 2006 , 118, 3435-3438	5
838	A Ring-Expansion Methodology Involving Multicomponent Reactions: Highly Efficient Access to Polysubstituted Furan-Fused 1,4-Thiazepine Derivatives. 2006 , 118, 7957-7961	13
837	Stereoselective Synthesis of Multifunctionalized 1,2,4-Triazolidines by a Ruthenium Porphyrin-Catalyzed Three-Component Coupling Reaction. 2006 , 348, 2391-2396	17
836	Lithium Bromide-Promoted Three-Component Synthesis of Oxa-Bridged Tetracyclic Tetrahydroisoquinolines. 2007 , 73, 729	18
835	A resource-efficient and highly flexible procedure for a three-component synthesis of 2-imidazolines. 2007 , 72, 6135-42	80
834	Lewis acid-promoted imine synthesis by the insertion of isocyanides into C-H bonds of electron-rich aromatic compounds. 2007 , 9, 3351-3	36
833	Diastereoselective synthesis of gamma-lactams by a one-pot, four-component reaction. 2007 , 9, 4077-80	70

832	Optimization of three- and four-component reactions for polysubstituted piperidines: application to the synthesis and preliminary biological screening of a prototype library. 2007 , 9, 695-703	22
831	Multicomponent domino [4+2]/[3+2] cycloadditions of nitroheteroaromatics: an efficient synthesis of fused nitrogenated polycycles. 2007 , 9, 4159-62	49
830	One-pot synthesis of quinoline-based tetracycles by a tandem three-component reaction. 2007 , 9, 982-9	58
829	BrEsted acid catalyzed formal insertion of isocyanides into a C-O bond of acetals. 2007 , 129, 11431-7	75
828	Enol esters: versatile substrates for Mannich-type multicomponent reactions. 2007 , 9, 4199-202	55
827	Up to seven-component adducts by unprecedented multiple alkyne and carbonyl insertions in the metal-carbon bond of chromium alkoxy alkynyl carbene complexes. <i>Chemistry - A European Journal</i> , 4.8 2007 , 13, 9115-26	11
826	A Simple Synthesis of Furo[3?,4?:5,6]pyrido[2,3-d]pyrimidine Derivatives through Multicomponent Reactions in Water. 2007 , 2007, 1522-1528	34
825	An efficient and high yielding protocol for the synthesis of substituted dihydropyrimidin-2(1h)-ones and spiro-fused heterocycles by involving tandem reactions. 2007 , 44, 211-214	10
824	Four-component tandem protocol for the stereoselective synthesis of highly functionalized [1,4]-thiazines. 2007 , 63, 1411-1416	33
823	A new three-component domino synthesis of 1,4-dihydropyridines. 2007 , 63, 4407-4413	89
822	A novel three-component reaction for the synthesis of new 4-azafluorenone derivatives. 2007 , 63, 5406-5414	36
821	One-pot synthesis of functionalized furamide derivatives via a three-component reaction between an amine, diketene and dibenzoylacetylene in the presence of triphenylphosphine. 2007 , 63, 8083-8087	27
820	An efficient route to 2,3-disubstituted-1,2-dihydroisoquinolin-1-ylphosphonates via Cul-catalyzed three-component reactions. 2007 , 63, 12166-12171	67
819	An unexpected, novel, three-component reaction between isoquinoline, an isocyanide and strong CH-acids in water. 2007 , 48, 4743-4747	54
818	Ultrasonic assisted-silica mediated [3+2] cycloaddition of azomethine ylides facile multicomponent one-pot synthesis of novel dispiroheterocycles. 2007 , 48, 6809-6813	59
817	An eco-friendly synthesis of 2-aminochromenes and indolyl chromenes catalyzed by InCl3 in aqueous media. 2007 , 48, 6785-6789	82
816	A novel four-component reaction of diethylamine, an aromatic aldehyde and an alkyl isocyanide with dialkyl acetylenedicarboxylates in the presence of silica gel: an efficient route for the regioand stereoselective synthesis of sterically congested alkenes. 2007 , 48, 6954-6957	19
815	Organic synthesis in water: Green protocol for the synthesis of 2-amino furan derivatives. 2007 , 272, 128-131	22

814	Chemoselective addition of organometallics to oxime ethers. 2007 , 692, 1924-1927		6
813	6-Bromo-2,4-bis(3-methoxyphenyl)-3,4-dihydro-2H-1,3-naphthoxazine. 2007 , 63, o4739-o4739		2
812	The use of the Ugi four-component condensation. 2007 , 2, 632-9		171
811	Recent progress in the catalytic synthesis of imidazoles. 2007 , 2, 568-78		89
810	In situ generation of chiral N-dienyl lactams in a multicomponent reaction: an efficient and highly selective way to asymmetric amidocyclohexenes. 2007 , 2, 720-33		16
809	Three-component reactions with (S)-methyl pyroglutamate: an efficient way to diversely substituted asymmetric amidocyclohexenes. 2007 , 2, 734-46		11
808	Integrated micro flow synthesis based on sequential Br-Li exchange reactions of p-, m-, and o-dibromobenzenes. 2007 , 2, 1513-23		88
807	A one-step fusion of 1,3-thiazine and pyrimidine cycles. 2007 , 9, 4215-8		23
806	Ugi multicomponent reaction followed by an intramolecular nucleophilic substitution: convergent multicomponent synthesis of 1-sulfonyl 1,4-diazepan-5-ones and of their benzo-fused derivatives. 2007 , 72, 2151-60		91
805	Chemo-differentiating ABB' multicomponent reactions. Privileged building blocks. 2007 , 36, 484-91		309
804	Multi-component syntheses of heterocycles by transition-metal catalysis. 2007 , 36, 1095-108		865
803	Emerging approaches for the syntheses of bicyclic imidazo[1,2-x]-heterocycles. 2008 , 12, 1-15		82
802	A novel method for the synthesis of substituted 3,4-dihydrocoumarin derivatives via isocyanide-based three-component reaction. 2008 , 12, 197-202		12
801	Synthesis of fully substituted iminolactones via a three-component condensation of isocyanides and acetylenic esters with 2-bromo-1-(4-bromophenyl)ethanone. 2008 , 139, 629-632		12
800	An efficient three-component reaction involving $[3 + 1 + 1]$ furannulation leading to furanonaphthoquinones in water. 2008 , 139, 957-961		17
799	An efficient and green synthesis of 3,3?-benzylidenebis (4-hydroxy-6-methylpyridin-2(1H)-one) derivatives through multi-component reaction in ionic liquid. 2008 , 45, 1275-1280		18
798	Synthesis, structure and emission properties of spirocyclic benzofuranones and dihydroindolones: a domino insertion-coupling-isomerization- Diels-Alder approach to rigid fluorophores. <i>Chemistry - A European Journal</i> , 2008 , 14, 529-47	4.8	102
797	The MARDi cascade: a Michael-initiated domino-multicomponent approach for the stereoselective synthesis of seven-membered rings. <i>Chemistry - A European Journal</i> , 2008 , 14, 3078-92	4.8	36

796	Heterocycles as key substrates in multicomponent reactions: the fast lane towards molecular complexity. <i>Chemistry - A European Journal</i> , 2008 , 14, 8444-54	285
795	An Efficient One-pot Synthesis of EAmino/EAcetamido Carbonyl Compounds via ZrCl4-catalyzed Mannich-type Reactio. 2008 , 26, 2216-2222	9
794	News from the 80-Year-Old Passerini Variant of the Friedel@rafts Alkylation of Indole. 2008, 2008, 6232-6238	12
793	Thiols in Ugi- and PasseriniBmiles-Type Couplings. 2008 , 2008, 5974-5987	27
792	Zinc-promoted hydrohydrazination of terminal alkynes: an efficient domino synthesis of indoles. 2008 , 47, 2304-7	149
791	Catalytic three-component Ugi reaction. 2008 , 47, 3622-5	115
790	Copper-Catalyzed Highly Efficient Multicomponent Reactions of Terminal Alkynes, Acid Chlorides, and Carbodiimides: Synthesis of Functionalized Propiolamidine Derivatives. 2008 , 350, 61-64	39
789	Catalysis of Salicylaldehydes and Two Different C?H Acids with Electricity: First Example of an Efficient Multicomponent Approach to the Design of Functionalized Medicinally Privileged 2-Amino-4H-Chromene Scaffold. 2008 , 350, 591-601	105
788	Zinkvermittelte Hydrohydrazinierung von terminalen Alkinen Leine effiziente Dominosynthese von Indolen. 2008 , 120, 2337-2340	56
787	Katalytische Ugi-Dreikomponentenreaktion. 2008 , 120, 3678-3681	23
		<i>-</i>)
786	A sub-stoichiometric tungsten-mediated Pausonkhand reaction: Scope and limitations. 2008 , 693, 3092-3096	
786 785		
,	A sub-stoichiometric tungsten-mediated Pausonkhand reaction: Scope and limitations. 2008 , 693, 3092-3096 A microwave-assisted synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones catalyzed by FeCl3-supported	11
785	A sub-stoichiometric tungsten-mediated Pausonkhand reaction: Scope and limitations. 2008, 693, 3092-3096 A microwave-assisted synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones catalyzed by FeCl3-supported Nanopore Silica under solvent-free conditions. 2008, 14, 401-405 An efficient synthesis of pyrido[2,3-d]pyrimidine derivatives and related compounds under	11 41
785 784	A sub-stoichiometric tungsten-mediated Pausonkhand reaction: Scope and limitations. 2008, 693, 3092-3096 A microwave-assisted synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones catalyzed by FeCl3-supported Nanopore Silica under solvent-free conditions. 2008, 14, 401-405 An efficient synthesis of pyrido[2,3-d]pyrimidine derivatives and related compounds under ultrasound irradiation without catalyst. 2008, 15, 217-21 A convergent synthesis of enantiopure bicyclic scaffolds through multicomponent Ugi reaction.	11 41 30
785 784 783	A sub-stoichiometric tungsten-mediated Pausonkhand reaction: Scope and limitations. 2008, 693, 3092-3096 A microwave-assisted synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones catalyzed by FeCl3-supported Nanopore Silica under solvent-free conditions. 2008, 14, 401-405 An efficient synthesis of pyrido[2,3-d]pyrimidine derivatives and related compounds under ultrasound irradiation without catalyst. 2008, 15, 217-21 A convergent synthesis of enantiopure bicyclic scaffolds through multicomponent Ugi reaction. 2008, 64, 1114-1134 A simple and efficient method for the synthesis of amidophenols using iodine as catalyst under	11 41 30 49
785 784 783 782	A sub-stoichiometric tungsten-mediated PausonRhand reaction: Scope and limitations. 2008, 693, 3092-3096 A microwave-assisted synthesis of 3,4-dihydro-pyrimidin-2-(1H)-ones catalyzed by FeCl3-supported Nanopore Silica under solvent-free conditions. 2008, 14, 401-405 An efficient synthesis of pyrido[2,3-d]pyrimidine derivatives and related compounds under ultrasound irradiation without catalyst. 2008, 15, 217-21 A convergent synthesis of enantiopure bicyclic scaffolds through multicomponent Ugi reaction. 2008, 64, 1114-1134 A simple and efficient method for the synthesis of amidophenols using iodine as catalyst under neat condition. 2008, 64, 2972-2978 Highly site, regio-, and stereoselective multicomponent reaction of benzimidazole carbenes,	11 41 30 49 21

Novel Petasis boronic acid reactions with indoles: synthesis of indol-3-yl-aryl-acetic acids. **2008**, 49, 6762-6764 $_{17}$

777	Photochemical reactions as key steps in organic synthesis. 2008 , 108, 1052-103	969
776	Titanium(IV) Chloride Catalyzed One-Pot Synthesis of 3,4-Dihydropyrimidin-2-(1h)-ones under Solvent-Free Conditions via Three-Component Biginelli Reaction. 2008 , 183, 1552-1555	8
775	Povarov reactions involving 3-aminocoumarins: synthesis of 1,2,3,4-tetrahydropyrido[2,3-c]coumarins and pyrido[2,3-c]coumarins. 2008 , 73, 8437-47	66
774	Studies on the chemistry and reactivity of alpha-substituted ketones in isonitrile-based multicomponent reactions. 2008 , 73, 9720-6	24
773	Novel isocyanide-based four-component reaction: a facile synthesis of fully substituted 3,4-dihydrocoumarin derivatives. 2008 , 10, 2581-4	79
772	Synthesis of 1-aminoimidazo[5,1-a]isoquinolinium salts based on multicomponent reactions of isocyanides. 2008 , 10, 442-6	22
771	Highly regioselective synthesis of polysubstituted pyrroles through three-component reaction induced by low-valent titanium reagent. 2008 , 10, 810-3	56
770	Simple Synthesis of Highly Functionalized Ketenimines. 2008, 38, 2567-2574	10
769	Two-step stereocontrolled synthesis of densely functionalized cyclic beta-aminoesters containing four stereocenters, based on a new cerium(IV) ammonium nitrate catalyzed sequential three-component reaction. 2008 , 10, 4303-6	81
768	Simple synthesis of 7H-phenaleno[1,2-b]furan-7-one derivatives by one-pot, three-component reactions. 2008 , 10, 507-10	27
767	A highly efficient microwave-assisted synthesis of chromeno-[3,4-b][4,7]phenanthroline derivatives through multicomponent reactions in water. 2008 , 45, 831-835	9
766	Online screening of homogeneous catalyst performance using reaction detection mass spectrometry. 2008 , 80, 7121-7	11
765	Synthesis of fused piperidinones through a radical-ionic cascade. 2008 , 73, 6983-93	29
764	Application of beta-(2-chloroaroyl) thioacetanilides in synthesis: an unusual and highly efficient access to thiochromeno[2,3-b]pyridine derivatives. 2008 , 73, 1852-63	56
763	Diversity-oriented syntheses of functional Bystems by multicomponent and domino reactions. 2008 , 80, 609-620	91
762	A New Efficient Method for the Three-Component Synthesis of 4(3H)-Quinazolinones. 2008 , 75, 2809	21
761	A Novel, Simple and Efficient Synthesis of 3-Amino-Benzo[d]imidazo[2,1-b]Thiazole Derivatives via a Multicomponent Procedure. 2008 , 55, 292-296	28

760	Efficient, Convenient and Mild Three-Component Template Preparation and Characterization of Some New Schiff Base Complexes. 2008 , 55, 858-862	5	
759	Efficient and Mild Synthesis of Novel Schiff Bases Via One-Pot, Three-Component Reaction Under Solvent-Free Conditions. 2009 , 184, 2351-2357	6	
758	Microwave-Induced One-Pot Facile Synthesis Of Thiazolo-Pyrimidines Using Silica Gel As Solid Support. 2009 , 15,		
757	Copper-Catalyzed Efficient Multicomponent Reaction: Synthesis of Benzoxazoline-Amidine Derivatives. 2009 , 351, 2709-2713	44	
756	Trapping of Active Methylene Intermediates with Alkenes, Indoles or Thiols: Towards Highly Selective Multicomponent Reactions. 2009 , 351, 3269-3278	28	
755	Oligosubstituted pyrroles directly from substituted methyl isocyanides and acetylenes. <i>Chemistry - A European Journal</i> , 2009 , 15, 227-36	91	
754	Radical and radical-ionic multicomponent processes. <i>Chemistry - A European Journal</i> , 2009 , 15, 3044-55 4.8	157	
753	A very efficient cerium(IV) ammonium nitrate catalyzed, four-component synthesis of tetrahydropyridines and its application in the concise generation of functionalized homoquinolizine 4.8 frameworks. <i>Chemistry - A European Journal</i> , 2009 , 15, 4565-72	54	
75 ²	High-throughput reaction optimisation and activity screening of ferrocene-based Lewis acid-catalyst complexes by using continuous-flow reaction detection mass spectrometry. <i>Chemistry - A European Journal</i> , 2009 , 15, 7368-75	10	
751	One-Pot Synthesis of Functionalized (4-Oxo-1,3-thiazinan-5-yl)acetic Acids from Isothiocyanates, Primary Alkylamines, and Ithaconic Anhydride. 2009 , 92, 1903-1907	4	
750	Microwave-assisted Synthesis of Pyrazolo[4,3-f]quinolin-7-one Derivatives via Multi-component Reactions. 2009 , 27, 1707-1710	6	
749	A Simple One-pot Synthesis of Indeno[2,1-f]quinolin-3-one Derivatives under Microwave Irradiation. 2009 , 27, 2392-2396	5	
748	Multicomponent Access to Functionalized Mesoionic Structures Based on TFAA Activation of Isocyanides: Novel Domino Reactions. 2009 , 2009, 617-625	19	
747	An efficient and clean synthesis of pyrido[2,3-d]pyrimidine-4,7-dione derivatives in aqueous media. 2009 , 46, 1331-1334	19	
746	Synthesis of highly stable unusual charge-separated pyridinium-, isoquinolinium-, quinolinium-, and N-methylimidazolium-tetronic acid zwitterions. 2009 , 65, 6063-6068	24	
745	Studies of multicomponent Kinugasa reactions in aqueous media. 2009 , 50, 1893-1896	39	
744	An efficient solution phase synthesis of triazadibenzoazulenones: designer isonitrile free methodology enabled by microwaves. 2009 , 50, 1939-1942	40	
743	A simple, cheap alternative to designer convertible isonitriles@expedited with microwaves. 2009 , 50, 4054-4057	46	

A novel multi-component reaction of indole, formaldehyde, and tertiary aromatic amines. 2009, 50, 5937-5940 56 742 A novel synthesis of highly substituted imidazo[1,5-a]pyrazine derivatives by 3-CR/2-CR sequence. 741 9 **2009**, 13, 63-7 A novel class of extended pi-conjugated systems: one-pot synthesis of 18 740 bis-3-aminoimidazo[1,2-a]pyridines, pyrimidines and pyrazines. 2009, 13, 269-74 Emerging molecular diversity from the intra-molecular Ugi reaction: iterative efficiency in medicinal 116 739 chemistry. 2009, 13, 195-207 Pseudo five-component synthesis of bis-alpha-acyloxy-beta-diketo amides from 738 1 diimide-dicarboxylic acids. 2009, 13, 379-83 Beyond the Ugi reaction: less conventional interactions between isocyanides and iminium species. 737 237 2009, 65, 2153-2171 Efficient, one-pot transformation of indoles into functionalized oxindole and spirooxindole systems 736 27 under Swern conditions. 2009, 65, 1660-1672 The first ionic liquid-promoted one-pot diastereoselective synthesis of 2,5-diamino-/2-amino-5-mercapto-1,3-thiazin-4-ones using masked amino/mercapto acids. **2009**, 65, 1306-1315 $^{
m 30}$ Synthesis of fully substituted pyrano[2,3-c]pyrazole derivatives via a multicomponent reaction of 734 59 isocyanides. 2009, 65, 3492-3495 A regioselective three-component reaction for synthesis of novel 733 75 1?H-spiro[isoindoline-1,2?-quinazoline]-3,4?(3?H)-dione derivatives. 2009, 65, 3804-3808 The first ionic liquid-promoted three-component coupling strategy for an expeditious synthesis of 732 18 Ehitrocarbonitriles/thiocyanates. 2009, 50, 640-643 Exploitation of the catalytic efficacy of Mg/Al hydrotalcite for the rapid synthesis of 2-aminochromene derivatives via a multicomponent strategy in the presence of microwaves. 2009, 80 731 50, 719-722 Novel ZnCl2-catalyzed one-pot multicomponent synthesis of 730 73 2-amino-3,5-dicarbonitrile-6-thio-pyridines. **2009**, 50, 3897-3900 InCl3-catalyzed efficient one-pot synthesis of 2-pyrrolo-3?-yloxindoles. 2009, 50, 3959-3962 729 55 Cu(OTf)2/Cu-catalyzed four-component reaction: a facile synthesis of \exists -alkoxytriazoles via click 728 20 chemistry. 2009, 50, 6029-6031 CAN-catalyzed syntheses of 3,4-dihydroquinoxalin-2-amine derivatives based on isocyanides. 2009, 727 23 50, 6502-6505 One-pot synthesis of highly functionalized stable ketenimines of 2,2,2-trifluoro-N-aryl-acetamides. 726 16 2009, 130, 368-371 Strategies for innovation in multicomponent reaction design. 2009, 42, 463-72 725 925

724	Alpha-alkenoyl ketene S,S-acetal-based multicomponent reaction: an efficient approach for the selective construction of polyfunctionalized cyclohexanones. 2009 , 74, 3116-21	26
723	Concise synthesis of tricyclic isoindolinones via one-pot cascade multicomponent sequences. 2009 , 11, 1817-20	28
722	Natural product synthesis using multicomponent reaction strategies. 2009 , 109, 4439-86	1331
721	Multicomponent synthesis of alpha-branched amides. 2009 , 11, 835-8	31
720	Construction of a bicyclic beta-benzyloxy and beta-hydroxy amide library through a multicomponent cyclization reaction. 2009 , 11, 640-4	18
719	Multicomponent Cascade Reactions Triggered by Cycloaddition of Fischer Alkoxy Alkynyl Carbene Complexes with Strained Bicyclic Olefins 2009 , 28, 361-369	9
718	Isocyanides and arylacetic acids: synthesis and reactivity of 3-aryl-2-acyloxyacrylamides, an example of serendipity-oriented synthesis. 2009 , 11, 4068-71	24
717	Catalyst-free aqueous multicomponent domino reactions from formaldehyde and 1,3-dicarbonyl derivatives. 2009 , 11, 1968	78
716	Multiple multicomponent macrocyclizations (MiBs): a strategic development toward macrocycle diversity. 2009 , 109, 796-814	261
715	Recent Progress in Three-Component Reactions. An Update. 2009 , 41, 1-68	142
715 714	Recent Progress in Three-Component Reactions. An Update. 2009 , 41, 1-68 Isocyanide-based two-step three-component keteneimine formation. 2009 , 11, 1825-7	142 50
714	Isocyanide-based two-step three-component keteneimine formation. 2009 , 11, 1825-7 ortho-Lithiophenyl isocyanide: a versatile precursor for 3H-quinazolin-4-ones and	50
714 713	Isocyanide-based two-step three-component keteneimine formation. 2009 , 11, 1825-7 ortho-Lithiophenyl isocyanide: a versatile precursor for 3H-quinazolin-4-ones and 3H-quinazolin-4-thiones. 2009 , 11, 389-92 A novel one-pot three-(in situ five-)component condensation reaction: an unexpected approach for the synthesis of tetrahydro-2,4-dioxo-1H-benzo[b][1,5]diazepine-3-yl-2-methylpropanamide	50 63
714 713 712	Isocyanide-based two-step three-component keteneimine formation. 2009 , 11, 1825-7 ortho-Lithiophenyl isocyanide: a versatile precursor for 3H-quinazolin-4-ones and 3H-quinazolin-4-thiones. 2009 , 11, 389-92 A novel one-pot three-(in situ five-)component condensation reaction: an unexpected approach for the synthesis of tetrahydro-2,4-dioxo-1H-benzo[b][1,5]diazepine-3-yl-2-methylpropanamide derivatives. 2009 , 11, 3342-5 User-friendly stereoselective one-pot access to 1,4-diazepane derivatives by a cyclodehydrative	50 63 80
714 713 712 711	Isocyanide-based two-step three-component keteneimine formation. 2009, 11, 1825-7 ortho-Lithiophenyl isocyanide: a versatile precursor for 3H-quinazolin-4-ones and 3H-quinazolin-4-thiones. 2009, 11, 389-92 A novel one-pot three-(in situ five-)component condensation reaction: an unexpected approach for the synthesis of tetrahydro-2,4-dioxo-1H-benzo[b][1,5]diazepine-3-yl-2-methylpropanamide derivatives. 2009, 11, 3342-5 User-friendly stereoselective one-pot access to 1,4-diazepane derivatives by a cyclodehydrative three-component reaction with 1,3-dicarbonyls. 2009, 7, 1911-20	50 63 80 25
714 713 712 711 710	Isocyanide-based two-step three-component keteneimine formation. 2009, 11, 1825-7 ortho-Lithiophenyl isocyanide: a versatile precursor for 3H-quinazolin-4-ones and 3H-quinazolin-4-thiones. 2009, 11, 389-92 A novel one-pot three-(in situ five-)component condensation reaction: an unexpected approach for the synthesis of tetrahydro-2,4-dioxo-1H-benzo[b][1,5]diazepine-3-yl-2-methylpropanamide derivatives. 2009, 11, 3342-5 User-friendly stereoselective one-pot access to 1,4-diazepane derivatives by a cyclodehydrative three-component reaction with 1,3-dicarbonyls. 2009, 7, 1911-20 Bocyanide-free[Ligi reactions. 2009, 7, 3024 Efficient synthesis of spiro[chromeno[2,3-d]pyrimidine-5,3'-indoline]-tetraones by a one-pot and	50 63 80 25 31

(2010-2009)

706	New benzotriazole and benzimidazole scaffolds from Ugi-Smiles couplings of isocyanides. 2009 , 11, 995-7	40
705	Efficient three-component one-pot synthesis of fully substituted pyridin-2(1H)-ones via tandem Knoevenagel condensation-ring-opening of cyclopropane-intramolecular cyclization. 2009 , 3636-8	21
704	Fluorous parallel synthesis of a piperazinedione-fused tricyclic compound library. 2009, 11, 452-9	29
703	Expedient synthesis of 3-hydroxyisoquinolines and 2-hydroxy-1,4-naphthoquinones via one-pot aryne acyl-alkylation/condensation. 2009 , 7, 4960-4	62
702	Design and microwave-assisted synthesis of naphtho[2,3-f]quinoline derivatives and their luminescent properties. 2009 , 11, 239-42	36
701	Three-Component One-Pot Synthesis of Indeno[2?,1?:5,6]Pyrido[2,3-d]Pyrazole Derivatives in Aqueous Media. 2009 , 56, 504-509	12
700	Multiple Bond-Forming Transformations: The Key Concept toward Eco-Compatible Synthetic Organic Chemistry. 2010 , 187-202	33
699	Three-component synthesis of 2-oxoindolin-3-ylphosphonates. 2010 , 58, 896-900	5
698	Multicomponent reactions and combinatorial chemistry. 2010 , 80, 2628-2646	17
697	Diversity oriented synthesis of benzoxanthene and benzochromene libraries via one-pot, three-component reactions and their anti-proliferative activity. 2010 , 12, 20-4	140
697 696		140 338
	three-component reactions and their anti-proliferative activity. 2010 , 12, 20-4	
696	three-component reactions and their anti-proliferative activity. 2010 , 12, 20-4 Multicomponent reactions for the synthesis of heterocycles. 2010 , 5, 2318-35 Synthesis of 1-(1H-indol-3-yl)-1,2-dihydroisoquinolines via AgOTf-catalyzed three-component	338
696 695	three-component reactions and their anti-proliferative activity. 2010, 12, 20-4 Multicomponent reactions for the synthesis of heterocycles. 2010, 5, 2318-35 Synthesis of 1-(1H-indol-3-yl)-1,2-dihydroisoquinolines via AgOTf-catalyzed three-component reactions of 2-alkynylbenzaldehydes, amines, and indoles. 2010, 12, 238-44 Brilsted base-catalyzed one-pot three-component Biginelli-type reaction: an efficient synthesis of	33 ⁸ 56
696 695 694	three-component reactions and their anti-proliferative activity. 2010, 12, 20-4 Multicomponent reactions for the synthesis of heterocycles. 2010, 5, 2318-35 Synthesis of 1-(1H-indol-3-yl)-1,2-dihydroisoquinolines via AgOTf-catalyzed three-component reactions of 2-alkynylbenzaldehydes, amines, and indoles. 2010, 12, 238-44 Brilsted base-catalyzed one-pot three-component Biginelli-type reaction: an efficient synthesis of 4,5,6-triaryl-3,4-dihydropyrimidin-2(1H)-one and mechanistic study. 2010, 75, 1162-7	338 56 126
696695694693	Multicomponent reactions for the synthesis of heterocycles. 2010, 5, 2318-35 Synthesis of 1-(1H-indol-3-yl)-1,2-dihydroisoquinolines via AgOTf-catalyzed three-component reactions of 2-alkynylbenzaldehydes, amines, and indoles. 2010, 12, 238-44 Bristed base-catalyzed one-pot three-component Biginelli-type reaction: an efficient synthesis of 4,5,6-triaryl-3,4-dihydropyrimidin-2(1H)-one and mechanistic study. 2010, 75, 1162-7 One-pot three-component synthesis of the spiroacenaphthylene derivatives. 2010, 66, 5345-5348 Regio and diastereoselective synthesis of functionalized 2,3-dihydrofuro[3,2-c]coumarins via a	338 56 126 61
696695694693692	Multicomponent reactions for the synthesis of heterocycles. 2010, 5, 2318-35 Synthesis of 1-(1H-indol-3-yl)-1,2-dihydroisoquinolines via AgOTf-catalyzed three-component reactions of 2-alkynylbenzaldehydes, amines, and indoles. 2010, 12, 238-44 Brilsted base-catalyzed one-pot three-component Biginelli-type reaction: an efficient synthesis of 4,5,6-triaryl-3,4-dihydropyrimidin-2(1H)-one and mechanistic study. 2010, 75, 1162-7 One-pot three-component synthesis of the spiroacenaphthylene derivatives. 2010, 66, 5345-5348 Regio and diastereoselective synthesis of functionalized 2,3-dihydrofuro[3,2-c]coumarins via a one-pot three-component reaction. 2010, 66, 9493-9496	338 56 126 61 43

688	Chemoselective and Regiospecific Synthesis of Iminospiro-🏻 lactones from Maleic Anhydride or Citraconic Anhydride and Alkyl Isocyanides with Dialkyl Acetylenedicarboxylates. 2010 , 93, 757-762	5
687	Three-Component Reaction of Isocyanides and 2-Formylbenzoic Acid with Dibenzylamine Catalyzed by Silica Nanoparticles under Solvent-Free Conditions. 2010 , 93, 2203-2209	4º
686	Multicomponent Reactions of 1,3-Cyclohexanediones and Formaldehyde in Glycerol: Stabilization of Paraformaldehyde in Glycerol Resulted from using Dimedone as Substrate. 2010 , 352, 519-530	70
685	Efficient and General Synthesis of 3-Aminoindolines and 3-Aminoindoles via Copper-Catalyzed Three Component Coupling Reaction. 2010 , 352, 961-966	58
684	Three-Component Reactions of 2-Alkynylbenzaldoximes and ⊞,ฌnsaturated Carbonyl Compounds with Bromine or Iodine Monochloride. 2010 , 352, 1746-1751	27
683	Facile Assembly of H-Pyrazolo[5,1-a]isoquinolines via Silver Triflate-Catalyzed One-Pot Tandem Reaction of 2-Alkynyl- benzaldehyde, Sulfonohydrazide, and Ketone or Aldehyde. 2010 , 352, 2050-2056	62
682	Multicomponent Synthesis of Peptide-Sugar Conjugates Incorporating Hexafluorovaline. 2010 , 352, 2791-279	98 ₇
681	Boron-based dipolar multicomponent reactions: simple generation of substituted aziridines, oxazolidines and pyrrolidines. <i>Chemistry - A European Journal</i> , 2010 , 16, 7904-15	23
68o	Direct, One-pot Sequential Reductive Alkylation of Lactams/Amides with Grignard and Organolithium Reagents through Lactam/Amide Activation. 2010 , 122, 3101-3104	62
679	Isocyanide in der Synthese von Stickstoff-Heterocyclen. 2010 , 122, 9280-9311	98
678	Direct, one-pot sequential reductive alkylation of lactams/amides with Grignard and organolithium reagents through lactam/amide activation. 2010 , 49, 3037-40	189
677	Isocyanides in the synthesis of nitrogen heterocycles. 2010 , 49, 9094-124	395
676	An efficient one-pot three-component synthesis of 4-phenyl hexahydro-1H-pyrano[2,3-d]pyrimidin-2(8aH)-one derivatives. 2010 , 47, n/a-n/a	1
675	One-pot synthesis of functionalized fused 4H-pyran systems. 2010 , 47, 857-860	7
674	Synthesis of substituted 1,3-oxazines using sulfamic acid as an efficient and eco-friendly catalyst. 2010 , 47, 1386-1391	3
673	Bis-Lewis acids-catalyzed highly diastereoselective one-pot reductive dehydroxylation of chiral N,O-acetals. 2010 , 66, 172-175	12
672	Isocyanide based multicomponent reactions of oxazolidines and related systems. 2010 , 66, 6496-6507	22
671	Three-component reaction of N?-(2-alkynylbenzylidene)hydrazide, ∃,Eunsaturated carbonyl compound, with bromine. 2010 , 66, 8242-8246	24

(2010-2010)

670	One-pot synthesis of 2-amino-5-nitro-4,6-diarylcyclohex-1-ene-1,3,3-tricarbo-nitriles by condensation of aldehyde, malononitrile, and nitromethane in the presence of MgAl HT under solvent-free condition. 2010 , 51, 2924-2927	15
669	Concise Two-Step Solution Phase Syntheses of four novel Dihydroquinazoline scaffolds. 2010 , 51, 3951-3955	26
668	Pseudo four-component synthesis of benzopyranopyrimidines. 2010 , 51, 4202-4204	30
667	Acyl pyruvates as synthons in the Biginelli reaction. 2010 , 51, 4229-4232	25
666	Synthesis of (Z)-1-benzylidene-3-(1H-indol-1-yl)-1H-indene-2,2(3H)-dicarbonitriles via three-component reaction of 2-alkynylbenzaldehyde, malononitrile, and indole. 2010 , 51, 4391-4394	11
665	Two step syntheses of fused quinoxaline-benzodiazepines and bis-benzodiazepines. 2010 , 51, 4566-4569	26
664	Concise Preparation of Novel Tricyclic Chemotypes: Fused Hydantoin-benzodiazepines. 2010 , 51, 4689-4692	18
663	UgiBmiles couplings in water. 2010 , 51, 4962-4964	16
662	Bromodimethylsulfonium bromide (BDMS)-catalyzed multicomponent synthesis of 3-aminoalkylated indoles. 2010 , 51, 5701-5703	29
661	Tandem three-component reaction of aldehyde, alkyl acrylate, and amide using ethyl diphenylphosphine as organocatalyst. 2010 , 51, 5943-5946	9
660	Three-component reaction involving metal-free heteroannulation of N-Boc-3-amido indole, aryl aldehydes, and aromatic alkynes under microwave conditions: synthesis of highly diversified Etarbolines. 2010 , 51, 6022-6024	32
659	Ugi-type four-component reaction for a novel synthesis of 5-oxo-perhydrofuro[3,2-b]pyran carboxylate derivatives. 2010 , 51, 6835-6838	16
658	InCl3 mediated one-pot multicomponent synthesis, anti-microbial, antioxidant and anticancer evaluation of 3-pyranyl indole derivatives. 2010 , 20, 5054-61	53
657	Microwave-assisted solvent-free synthesis of Bis(dihydropyrimidinone)benzenes and evaluation of their cytotoxic activity. 2010 , 75, 375-80	26
656	Multi-Component Reaction between Cyclohexyl Isocyanide, Cyanoacetic Acid and Aldehyde: Synthesis of Methyl 2-Cyano-3-(Aryl)-Cyclohexylcarbamoyl-(Aryl)-Acrylate. 2010 , 34, 506-507	1
655	N,N-Dimethylformamide-Promoted Reaction of Isocyanides and Barbituric acids: An Easy Synthesis of 5-[(Alkyl or Arylamino)Methylene]Barbituric Acids. 2010 , 34, 140-144	3
654	Synthesis of biginelli products of thiobarbituric acids and their antimicrobial activity. 2010 , 75, 1033-1040	15
653	Novel, one-pot, three-component route to indol-3-yl substituted spirooxindole derivatives. 2010 , 12, 659-63	44

652	Clean chemical synthesis of 2-amino-chromenes in water catalyzed by nanostructured diphosphate Na2CaP2O7. 2010 , 12, 2261	81
651	Unusual approach to branched 3-alkynylamides and to 1,5-dihydropyrrol-2-ones. 2010 , 12, 416-9	33
650	Isolation of ugi four-component condensation primary adducts: a straightforward route to isocoumarins. 2010 , 12, 788-91	34
649	Catalyst-free one-pot four component synthesis of polysubstituted imidazoles in neutral ionic liquid 1-butyl-3-methylimidazolium bromide. 2010 , 12, 844-9	133
648	Palladium-Copper Catalyzed Alkyne Activation as an Entry to Multicomponent Syntheses of Heterocycles. 2010 , 25-94	61
647	Microreactor Technology as an Efficient Tool for Multicomponent Reactions. 2010 , 161-198	47
646	Efficient generation of biologically active H-pyrazolo[5,1-a]isoquinolines via multicomponent reaction. 2010 , 12, 4856-9	126
645	Unusual solid-state luminescent push-pull indolones: a general one-pot three-component approach. 2010 , 12, 3364-7	46
644	Multicomponent reaction of imidazo[1,5-a]pyridine carbenes with aldehydes and dimethyl acetylenedicarboxylate or allenoates: a straightforward approach to fully substituted furans. 2010 , 75, 6644-52	32
643	Efficient one-pot synthesis of spirooxindole derivatives catalyzed by L-proline in aqueous medium. 2010 , 12, 231-7	231
642	Iron(III)-catalyzed four-component coupling reaction of 1,3-dicarbonyl compounds, amines, aldehydes, and nitroalkanes: a simple and direct synthesis of functionalized pyrroles. 2010 , 75, 1674-83	226
641	Multicomponent reactions of 1,3-disubstituted 5-pyrazolones and formaldehyde in environmentally benign solvent systems and their variations with more fundamental substrates. 2010 , 12, 908	67
640	One-pot, pseudo four-component synthesis of a spiro[diindeno[1,2-b:2',1'-e]pyridine-11,3'-indoline]-trione library. 2010 , 12, 191-4	80
639	Novel one-pot three component reaction for the synthesis of [2-(alkylsulfanyl)imidazo[1,2-a]pyridin-3-yl](aryl)methanone. 2010 , 12, 41-4	41
638	Robinson-Schpf Condensation. 2010 , 2414	
637	Multicomponent Syntheses of Macrocycles. 2010 , 1-24	20
636	New xanthate-based radical cyclization onto alkynes. 2010 , 46, 2489-91	14
635	Copper-catalyzed multicomponent reaction: synthesis of 4-arylsulfonylimino-4,5-dihydrofuran derivatives. 2010 , 75, 5743-5	48

(2011-2010)

634	Tandem [4 + 1 + 1] annulation and metal-free aerobic oxidative aromatization: straightforward synthesis of highly substituted phenols from one aldehyde and two ketones. 2010 , 46, 9061-3	26
633	Diversity synthesis of N-substituted 2-amino-1,6-naphthyridine derivatives under microwave irradiation. 2010 , 12, 16-9	24
632	One-pot synthesis of new fused 4,5-bridged 1,2,5-triazepine-3,6-diones, 1,2,5-triazepine-3,7-diones heterocycles by Petasis reaction. 2010 , 12, 75-83	17
631	One-pot synthesis of new substituted 1,2,3,4-tetrahydrocarbazoles via Petasis reaction. 2010 , 12, 617-29	12
630	Silver triflate-catalyzed three-component reaction of 2-alkynylbenzaldehyde, sulfonohydrazide, and alpha,beta-unsaturated carbonyl compound. 2010 , 46, 5238-40	70
629	Organocatalytic tandem three-component reaction of aldehyde, alkyl vinyl ketone, and amide: one-pot syntheses of highly functional alkenes. 2011 , 9, 363-6	9
628	Diastereoselectivity switch in cooperatively catalyzed three-component reactions of an aryldiazoacetate, an alcohol, and a ∰unsaturated ⊞-keto ester. 2011 , 76, 5821-4	22
627	New approach to the multicomponent one-pot synthesis of 2-aryl-1H-phenanthro[9,10-d]imidazoles. 2011 , 17,	13
626	Synthesis of H-pyrazolo[5,1-a]isoquinolines via copper(II)-catalyzed oxidation of an aliphatic C-H bond of tertiary amine in air. 2011 , 13, 712-5	101
625	One-Pot, Three-Component Synthesis of Cis-Isoquinolonic Acids Using ZnCl2, AlCl3-SiO2 as Catalyst. 2011 , 41, 523-527	11
624	Organocatalytic tandem three-component reaction of imine, alkyl vinyl ketone, and imide via aza-Baylis-Hillman reaction. 2011 , 76, 2888-91	14
623	Flash synthesis of TAC-101 and its analogues from 1,3,5-tribromobenzene using integrated flow microreactor systems. 2011 , 1, 758	32
622	Vicinal C-functionalization of alkenes. Pd/light-induced multicomponent coupling reactions leading to functionalized esters and lactones. 2011 , 13, 2114-7	57
621	Catalytic Activity of Dual Metal Cyanide Complex in Multi-Component Coupling Reactions. 2011 , 32, 1597-160	038
620	Enantioselective organocatalytic Friedel-Crafts alkylation reaction of indoles with 5-hydroxyfuran-2(5H)-one: access to chiral []-lactones and []-lactams via a Ugi 4-center 3-component reaction. 2011 , 76, 8143-50	25
619	Three-component synthesis of neoglycopeptides using a Cu(II)-triggered aminolysis of peptide hydrazide resin and an azide-alkyne cycloaddition sequence. 2011 , 13, 4336-9	7
618	Multicomponent macrocyclization reactions (MCMRs) employing highly reactive acyl ketene and nitrile oxide intermediates. 2011 , 13, 4732-5	12
617	A green methodology for one-pot synthesis of polysubstituted-tetrahydropyrimidines using PEG. 2011 , 4, 109-115	11

616	Palladium-catalyzed cyclization of propargylic compounds. 2011 , 44, 111-22	174
615	An efficient approach to pyrazolo[5,1-a]isoquinolin-2-amines via a silver(I)-catalyzed three-component reaction of 2-alkynylbenzaldehyde, sulfonohydrazide, and nitrile. 2011 , 9, 7033-7	25
614	An efficient, catalyst free synthesis of 3-(2?'-benzothiazolyl)-2,3-dihydroquinazolin-4(1H)-ones in aqueous medium. 2011 , 4, 321-325	6
613	One-Pot Synthesis of 2-Amino-5,10-dihydro-5,10-dioxo-4-phenyl-4H-benzo[g]chromene Derivatives Catalyzed by ZnCl2. 2011 , 41, 806-811	10
612	Integrated electrochemical-chemical oxidation mediated by alkoxysulfonium ions. 2011, 133, 11840-3	98
611	Asymmetric organocatalytic synthesis of complex cyclopenta[b]quinoline derivatives. 2011 , 13, 3678-81	14
610	Efficient one-pot three-component synthesis of fused pyridine derivatives in ionic liquid. 2011 , 13, 45-9	73
609	Multicomponent synthesis of fused benzimidazolopiperazines. 2011 , 76, 4728-33	27
608	Isocyanide-based multicomponent reactions: synthesis of alkyl-2-(1-(alkylcarbamoyl)-2,2-dicyanoethyl)benzoate and isochromeno[3,4-b]pyrrole derivatives. 2011 , 76, 10306-11	38
607	Water-prompted synthesis of alkyl nitrile derivatives via Knoevenagel condensation and Michael addition reaction. 2011 , 13, 566	40
606	Three-component strategy toward 5-membered heterocycles from isocyanide dibromides. 2011 , 13, 1261-3	52
605	Synthesis of iodo-indoloazepinones in an iodine-mediated three-component domino reaction via a regioselective 7-endo-dig iodo-cyclization pathway. 2011 , 76, 6798-805	43
604	Three-component, one-pot sequential synthesis of glyco-hydantoin conjugates. 2011 , 9, 8379-92	10
603	Practical three-component synthesis of crowded arenes with donor-acceptor substitution. 2011 , 9, 7224-36	10
602	The multicomponent reaction of imidazo[1,5-a]pyridine carbenes with phthalaldehydes and dimethyl acetylenedicarboxylate: a facile construction of benzo[d]furo[3,2-b]azepines. 2011 , 9, 2166-74	15
601	IBX in aqueous medium: a green protocol for the Biginelli reaction. 2011 , 1, 1128	19
600	Blue-luminescent 5-(3-indolyl)oxazoles via microwave-assisted three-component coupling-cycloisomerization-Fischer indole synthesis. 2011 , 9, 8130-40	44
599	Pd-mediated new synthesis of pyrroles: their evaluation as potential inhibitors of phosphodiesterase 4. 2011 , 47, 7779-81	54

(2011-2011)

598	The Ugi Reaction in a Polyethylene Glycol Medium: A Mild, Protocol for the Production of Compound Libraries. 2011 , 35, 444-447	1
597	Consecutive three-component synthesis of 3-(hetero)aryl-1H-pyrazoles with propynal diethylacetal as a three-carbon building block. 2011 , 16, 9340-56	9
596	Ugi post-condensation copper-triggered oxidative cascade towards pyrazoles. 2011 , 7, 1310-4	9
595	A facile strategy for the one pot multicomponent synthesis of spiro dihydropyridines from amines and activated alkynes. 2011 , 52, 6508-6511	53
594	An efficient and simple approach for the synthesis of pyranopyrazoles using imidazole (catalytic) in aqueous medium, and the vibrational spectroscopic studies on 6-amino-4-(4'-methoxyphenyl)-5-cyano-3-methyl-1-phenyl-1,4-dihydropyrano[2,3-c]pyrazole using	86
593	Unprecedented binary Cu(I)/Cu(II) catalyzed one-pot, three-component synthesis and evaluation of luminescent property of 2-amino-3-iminoethenylidene-2-indolones: a new class of merocyanine dye analogues. 2011 , 13, 4980-3	16
592	Convergent assembly of structurally diverse quinazolines. 2011 , 9, 351-7	6
591	Synthesis of New dihydropyrimidinones catalysed by dicationic ionic liquid. 2011 , 123, 645-655	12
590	Multicomponent synthesis of poly-substituted benzo[a]pyrano[2,3-c]phenazine derivatives under microwave heating. 2011 , 13, 135-9	71
589	A novel and facile synthesis of N-cyclohexyl-benzofurans by one-pot three-component reaction. 2011 , 15, 245-8	9
588	Recent progress of isocyanide-based multicomponent reactions in Iran. 2011 , 15, 41-68	171
587	New multicomponent approach for the synthesis of benzo[c]coumarin derivatives over MgO under solvent-free conditions. 2011 , 15, 233-7	18
586	One-pot synthesis of benzochromeno-pyrazole derivatives. 2011 , 15, 239-43	11
	one poesynthesis of benzoemomeno pyrazote derivatives. 2011, 13, 235 43	11
585	Synthesis of fluorescent hydroxyl naphthalene-1,4-dione derivatives by a three-component reaction in water. 2011 , 89, 63-69	49
585 584	Synthesis of fluorescent hydroxyl naphthalene-1,4-dione derivatives by a three-component	
	Synthesis of fluorescent hydroxyl naphthalene-1,4-dione derivatives by a three-component reaction in water. 2011 , 89, 63-69 Synthesis of quinoline-based glycoconjugates: a facile one-pot three-component reaction. 2011 ,	49
5 ⁸ 4	Synthesis of fluorescent hydroxyl naphthalene-1,4-dione derivatives by a three-component reaction in water. 2011 , 89, 63-69 Synthesis of quinoline-based glycoconjugates: a facile one-pot three-component reaction. 2011 , 346, 728-32 Library construction of 1-(1H-imidazol-1-yl)-1,2-dihydroisoquinolines via three-component reaction	49 12

580	An efficient synthesis of pyrazolo[3,4-b]quinolin-5(6H)-one derivatives in ionic liquid. 2011 , 48, 308-311	10
579	Copper-Catalyzed Aerobic Oxidative Cyclization of Hydrazones to Pyrazolidinones. 2011 , 2011, 3117-3121	4
578	Phosphite-Mediated Synthesis of Benzimidazoles: A One-Pot Four-Component Approach from Nitrophenols. 2011 , 2011, 6177-6180	7
577	Silica-supported Perchloric Acid Catalyzed One-pot Synthesis of 1,4-Dihydropyridines. 2011 , 29, 2471-2475	5
576	Combustion Derived Nanocrystalline-ZrO2 and Its Catalytic Activity for Biginelli Condensation under Microwave Irradiation. 2011 , 29, 1863-1868	11
575	An Efficient Synthesis of N-Substituted-3-aryl-3-(2-hydroxy-4,4-dimethyl-6-oxocyclohex-1-enyl)propanamides by Four-component Reaction in Aqueous Medium. 2011 , 29, 2368-2372	8
574	A Novel, One-Pot Four-Component Route to 2?-Thioxo-2?,3?-dihydrospiro[indole-3,6?-[1,3]thiazin]-2-one Derivatives. 2011 , 94, 1315-1319	18
573	Gold-nanoparticle-catalyzed synthesis of propargylamines: the traditional A3-multicomponent reaction performed as a two-step flow process. <i>Chemistry - A European Journal</i> , 2011 , 17, 3005-10	49
572	Exploiting the divergent reactivity of \oplus -isocyanoacetate: multicomponent synthesis of 5-alkoxyoxazoles and related heterocycles. <i>Chemistry - A European Journal</i> , 2011 , 17, 880-9	70
571	Syntheses of spirocyclic oxindole-butenolides by using three-component cycloadditions of isocyanides, allenoates, and isatins. <i>Chemistry - A European Journal</i> , 2011 , 17, 7409-13	63
570	An efficient route to diverse H-pyrazolo[5,1-a]isoquinolines via sequential multi-component/cross-coupling reactions. 2011 , 67, 1145-1149	29
569	A convergent construction of 1,4-dihydropyridine scaffold containing indole fragment. 2011 , 67, 5469-5476	17
568	Antimony trichloride catalyzed three-component reaction of urea, aldehydes and cyclic enol ethers: a novel route to 4-arylhexahydrofuro[2,3-d]pyrimidin-2(3H)-ones. 2011 , 52, 26-28	17
567	An efficient synthesis of Eacylureas via a three-component, one-pot synthesis using TCS/ZnCl2. 2011 , 52, 1448-1451	11
566	One-pot multistep synthesis of 3-aminoindolizine derivatives. 2011 , 52, 1392-1394	19
565	One-pot multistep synthesis of 3,4-fused isoquinolin-1(2H)-one analogs. 2011 , 52, 1574-1577	19
564	A novel sulfonic acid functionalized ionic liquid catalyzed multicomponent synthesis of 10,11-dihydrochromeno[4,3-b]chromene-6,8(7H,9H)-dione derivatives in water. 2011 , 52, 2601-2604	68
563	Synthesis of diverse phenylglycine derivatives via transformation of Ugi four-component condensation primary adducts. 2011 , 52, 2673-2675	5

562	Quinoxaline synthesis in novel tandem one-pot protocol. 2011 , 52, 2862-2865	47
561	Isocyanide-based multicomponent reactions: synthesis of 3,3-dicyano-N-alkyl-2-arylpropanamide derivatives. 2011 , 52, 4186-4188	15
560	Three-component tandem reaction involving acid chlorides, terminal alkynes, and ethyl 2-amino-1H-indole-3-carboxylates: synthesis of highly diversified pyrimido[1,2-a]indoles via sequential Sonogashira and [3+3] cyclocondensation reactions. 2011 , 52, 4288-4291	23
559	Facile, four-component, domino reactions for the regioselective synthesis of tetrahydrobenzo[g]quinolines. 2011 , 52, 4562-4566	33
558	Chromenopyridines: promising scaffolds for medicinal and biological chemistry. 2011 , 18, 4761-85	30
557	Silica Gel Promotes Cascade Synthesis of 2-(Heteroaryl)acetamide Derivatives from Isocyanides, Dialkylamines, and Heteroarylcarbaldehydes. 2011 , 41, 1444-1454	8
556	Unexpected Synthesis of 3-(2-Aminothiazol-5-yl)-3-Arylpropanoates through a One-Pot Four-Component Procedure. 2011 , 35, 689-691	2
555	One-pot synthesis of acenaphtho[1,2-b]pyrroles in the presence of supported ionic liquid catalyst. 2012 , 18,	1
554	Preparation of various xanthene derivatives over sulfonic acid functionalized imidazolium salts (SAFIS) as novel, highly efficient and reusable catalysts. 2012 , 15, 719-736	94
553	Multicomponent synthesis of 6H-dibenzo[b,d]pyran-6-ones and a total synthesis of cannabinol. 2012 , 14, 310-3	50
552	Ugi-Smiles couplings of 4-substituted pyridine derivatives: a fast access to chloroquine analogues. 2012 , 14, 476-8	17
551	Regioselective multicomponent sequential synthesis of hydantoins. 2012 , 10, 9538-55	19
550	PANI-HBF4: A Reusable Polymer-Based Solid Acid Catalyst for Three-Component, One-Pot Synthesis of 3-Substituted Amino Methyl Indoles Under Solvent-Free Conditions. 2012 , 42, 1593-1603	9
549	Approach to the library of 3-hydroxy-1,5-dihydro-2H-pyrrol-2-ones through a three-component condensation. 2012 , 14, 631-5	23
548	Straightforward assembly of phenylimidazoquinoxalines via a one-pot two-step MCR process. 2012 , 14, 1354-7	50
547	A simple and efficient method for the facile access of highly functionalized pyridines and their fluorescence property studies. 2012 , 2, 12305	43
546	Challenging 50 years of established views on Ugi reaction: a theoretical approach. 2012 , 77, 1361-6	102
545	Multicomponent reactions in unconventional solvents: state of the art. 2012 , 14, 2091	459

544	An eco-friendly sequential catalyst- and solvent-free four-component stereoselective synthesis of novel 1,4-pyranonaphthoquinones. 2012 , 14, 2484	42
543	Regioselective multi-component synthesis of 1H-pyrazolo[3,4-d]pyrimidine-6(7H)-thiones. 2012 , 16, 591-600	6
542	A facile and efficient synthesis of 2,2,2-trifluoroethyl 2-[(E)-N-phenylcinnamamido]-2-phenylacetates in trifluoroethanol via sequential Ugi four-component reaction/esterification. 2012 , 53, 6177-6181	9
541	Tandem migration-carboalkoxylation of o-isocyanophenyl acetals leading to benzoxazoles. 2012 , 14, 708-11	14
540	Generation of diverse 1-(isoquinolin-1-yl)guanidines via a sequential multi-component/cross-coupling reaction. 2012 , 68, 5197-5202	23
539	A novel and convenient copper-catalyzed three-component coupling of aldehydes, alkynes, and hydroxylamines leading to propargylamines. 2012 , 53, 4797-4801	9
538	Three-component sequential synthesis of N,N?-disubstituted 5-arylidenedihydropyrimidine-2,4-dione. 2012 , 53, 4733-4737	4
537	Efficient one-pot, three-component synthesis of a library of pyrrolo[1,2-c]pyrimidine derivatives. 2012 , 14, 101-7	22
536	A simple procedure for polymer-supported N-heterocyclic carbene silver complex via click chemistry: an efficient and recyclable catalyst for the one-pot synthesis of propargylamines. 2012 , 41, 12428-33	46
535	Expedient synthesis of a 72-membered isoxazolino-Eketoamide library by a 2IB-component reaction. 2012 , 14, 85-8	12
534	Eco-friendly synthesis and biological evaluation of substituted pyrano[2,3-c]pyrazoles. 2012, 22, 5272-8	124
533	Multicomponent Assembly of Highly Substituted Indoles by Dual Palladium-Catalyzed Coupling Reactions. 2012 , 124, 10740-10743	10
532	Multicomponent assembly of highly substituted indoles by dual palladium-catalyzed coupling reactions. 2012 , 51, 10588-91	52
531	Design, Synthesis, Characterization, and Antimicrobial Activity of Biginelli Products of Indandione. 2012 , 49, 929-932	4
530	Dynamic 1H NMR investigation along with a theoretical study around the $C\Gamma$ and $C = C$ bonds in a particular phosphorus ylide. 2012 , 25, 1328-1335	11
529	A one-pot multicomponent strategy for stereospecific construction of tricyclic pyrrolo[1,2-a]quinolines. 2012 , 48, 11966-8	16
528	An asymmetric Ugi three-component reaction induced by chiral cyclic imines: synthesis of morpholin- or piperazine-keto-carboxamide derivatives. 2012 , 77, 1386-95	28
527	One pot synthesis of indene through copper(I)-catalyzed three-components coupling and cyclization reaction. 2012 , 10, 3636-41	8

526	Applications of Isocyanides in IMCRs for the Rapid Generation of Molecular Diversity. 2012 , 335-384	10
525	A multicomponent formal [1+2+1+2]-cycloaddition for the synthesis of dihydropyridines. 2012 , 48, 4893-5	25
524	A facile and rapid route for the synthesis of novel 1,5-substituted tetrazole hydantoins and thiohydantoins via a TMSN3-Ugi/RNCX cyclization. 2012 , 53, 5593-5596	20
523	A facile synthesis of novel ferrocene grafted spiro-indenoquinoxaline pyrrolizidines via one-pot multicomponent [3+2] cycloaddition of azomethine ylides. 2012 , 53, 6676-6681	23
522	Sulfuric acid-modified PEG-6000 (PEG-OSO3H): an efficient Br⊞sted acidBurfactant combined catalyst for the one-pot three component synthesis of ⊞-aminonitriles in water. 2012 , 2, 1010	44
521	Preparation of quinazolino[3,2-a]quinazolines via a palladium-catalyzed three-component reaction of carbodiimide, isocyanide, and amine. 2012 , 48, 3836-8	106
520	Iodine catalyzed four-component reaction: a straightforward one-pot synthesis of functionalized pyrroles under metal-free conditions. 2012 , 2, 3387	59
519	Development and Application of Isocyanide-based Multicomponent Reactions. 2012 , 121	
518	A palladium-catalyzed three-component reaction for the preparation of quinazolin-4(3H)-imines. 2012 , 48, 2903-5	114
	Avelone had view eficance idea' also beneficatore 2012 20 1127	
517	A valence bond view of isocyanides' electronic structure. 2012 , 36, 1137	41
517	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012 , 17, 2529-41	1
	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by	
516	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012 , 17, 2529-41 Regioselective one-pot, three component synthesis of ethyl	1
516 515	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012, 17, 2529-41 Regioselective one-pot, three component synthesis of ethyl 6-aryl-3-propylpyridazine-4-carboxylates in water. 2012, 1, 115-122 A facile and efficient synthesis of 1-trichloromethyl-1,2-dihydrobenzo[b][1,6]naphthyridines via three-component reaction among 2-alkynylquinoline-3-carbaldehydes, primary amines, and	9
516 515 514	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012, 17, 2529-41 Regioselective one-pot, three component synthesis of ethyl 6-aryl-3-propylpyridazine-4-carboxylates in water. 2012, 1, 115-122 A facile and efficient synthesis of 1-trichloromethyl-1,2-dihydrobenzo[b][1,6]naphthyridines via three-component reaction among 2-alkynylquinoline-3-carbaldehydes, primary amines, and chloroform. 2012, 18,	1 9 2
516515514513	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012, 17, 2529-41 Regioselective one-pot, three component synthesis of ethyl 6-aryl-3-propylpyridazine-4-carboxylates in water. 2012, 1, 115-122 A facile and efficient synthesis of 1-trichloromethyl-1,2-dihydrobenzo[b][1,6]naphthyridines via three-component reaction among 2-alkynylquinoline-3-carbaldehydes, primary amines, and chloroform. 2012, 18, Solvent-free one-pot synthesis of pyrane derivatives. 2012, 49, 405-408 Facile, novel two-step syntheses of benzimidazoles, bis-benzimidazoles, and	1 9 2
516515514513512	Tandem three-component reactions of aldehyde, alkyl acrylate, and dialkylmalonate catalyzed by ethyl diphenylphosphine. 2012, 17, 2529-41 Regioselective one-pot, three component synthesis of ethyl 6-aryl-3-propylpyridazine-4-carboxylates in water. 2012, 1, 115-122 A facile and efficient synthesis of 1-trichloromethyl-1,2-dihydrobenzo[b][1,6]naphthyridines via three-component reaction among 2-alkynylquinoline-3-carbaldehydes, primary amines, and chloroform. 2012, 18, Solvent-free one-pot synthesis of pyrane derivatives. 2012, 49, 405-408 Facile, novel two-step syntheses of benzimidazoles, bis-benzimidazoles, and bis-benzimidazole-dihydroquinoxalines. 2012, 16, 73-9	1 9 2 0

508	Cu-catalyzed three-component synthesis of substituted benzothiazoles in water. <i>Chemistry - A European Journal</i> , 2012 , 18, 4840-3	115
507	Multicomponent reaction to construct spirocyclic oxindoles with a Michael (triple Michael)/cyclization cascade sequence as the key step. <i>Chemistry - A European Journal</i> , 2012 , 18, 9645-50 ^{4.8}	49
506	Synthsis of 4-Piperidones via Multicomponent Double Mannich Reaction Catalyzed by I2. 2012 , 30, 1504-1510	5
505	New approach for the synthesis of novel acenaphtho[1,2-b]furan-8-amines. 2012 , 16, 269-77	11
504	Efficient CAN catalyzed synthesis of 1H-indazolo[1,2-b] phthalazine-1,6,11-triones: An eco-friendly protocol. 2012 , 57, 2273-2279	52
503	Solvent-free one-pot synthesis of 2-pyridone derivatives. 2012 , 23, 512-514	4
502	Synthesis, characterization and antimicrobial activity of some new biquinoline derivatives containing a thiazole moiety. 2012 , 23, 454-457	14
501	Gold(III) chloride (HAuCl4IBH2O) in PEG: A new and efficient catalytic system for the synthesis of functionalized spirochromenes. 2012 , 425-426, 35-43	33
500	ParikhDoering oxidationDehydrationDgi cyclization cascade in the development of lactams from formidoalkanols (3>chain length>7). 2012 , 68, 294-299	14
499	One-pot multicomponent synthesis of polysubstituted indolizines. 2012 , 68, 85-91	27
498	Electrocatalytic and chemical assembling of N,N?-dialkylbarbituric acids and aldehydes: efficient cascade approach to the spiro-[furo[2,3-d]pyrimidine-6,5?-pyrimidine]-2,2?,4,4?,6?-(1?H,3H,3?H)-pentone framework. 2012 , 68, 1198-1206	24
497	An efficient three-component synthesis of new barbiturate salts. 2012 , 68, 2906-2916	6
496	Revisit to the Biginelli reaction: a novel and recyclable bioglycerol-based sulfonic acid functionalized carbon catalyst for one-pot synthesis of substituted 3,4-dihydropyrimidin-2-(1H)-ones. 2012 , 53, 1968-1973	59
495	Ugi/Robinson-Gabriel reactions directed toward the synthesis of 2,4,5-trisubstituted oxazoles. 2012 , 53, 1998-2000	28
494	A novel sugar based intramolecular Ugi 3CC for the N-alkyl-3-oxo-4-aryl-octahydrofuro[2,3-f][1,4]oxazepine-5-carboxamides. 2012 , 53, 2273-2276	14
493	Tandem one pot synthesis of 1,5-benzodiazocine-2-one by isocyanide based Ugi multicomponent reaction. 2012 , 53, 3619-3622	14
492	A novel intramolecular Ugi 3CC for the synthesis of N-alkyl-3-oxo-2-aryl-1,2,3,4-tetrahydropyrazino[1,2-a]indole-1-carboxamides. 2012 , 53, 3676-3679	10
49 ¹	Ultrasound-promoted catalyst-free one-pot four component synthesis of 2H-indazolo[2,1-b]phthalazine-triones in neutral ionic liquid 1-butyl-3-methylimidazolium bromide. 2012 , 19, 307-13	82

490	Exploiting the Divergent Reactivity of Isocyanoacetates: One-Pot Three-Component Synthesis of Functionalized Angular Furoquinolines. 2012 , 2012, 475-479	18
489	1,4-Dipolar Cycloaddition Reactions in Ionic Liquids: A Facile Synthesis of 9aH,15H-[1]Benzopyrano[3?,2?: 3,4]pyrido[2,1-a]isoquinolines (=9aH,15H-Benzo[a][1]benzopyrano[2,3-h]quinolizines). 2012 , 95, 76-86	7
488	Three component reactions of N-nucleophiles and activated acetylenes with NH-acids: A facile synthesis in water. 2012 , 49, 154-160	5
487	Three-component one-pot synthesis of pyrazolo[3,4-b]quinolin-5(6H)-one derivatives in aqueous media. 2012 , 49, 212-216	19
486	Three-component one-pot synthesis of quinolinefuran conjugates from acetylenedicarboxylate, isocyanide, and 2-chloroquinoline-3-carbaldehyde. 2013 , 69, 8668-8674	17
485	Heterogenized tungsten complex: an efficient and high yielding catalyst for the synthesis of structurally diverse tetra substituted pyrrole derivatives via four-component assembly. 2013 , 54, 5624-5628	39
484	A Multi-Component Reaction in the Morita Baylis Hillman Route. 2013, 2013, 4816-4822	5
483	Cyclization Cascade of Hydrazono Ugi Adducts towards Pyrazoles. 2013 , 2013, 5805-5808	3
482	Silica-supported ionic liquid as highly efficient catalyst for one-pot synthesis of acenaphtho[1,2-b]furan compounds. 2013 , 125, 511-516	3
481	Chemistry of Enaminonitriles of Pyrano[2,3-c]pyrazole and Related Compounds. 2013, 43, 2685-2719	34
480	Synthesis of novel glycopeptidomimetics via NEprotected-amino alkyl isonitrile based Ugi 4C reaction. 2013 , 54, 4409-4413	6
479	Reaction of Imidoformates with Anthranilates: Facile, One-Pot, Three-Component Synthesis of 8H-Quinazolino[4,3-b]quinazolin-8-ones. 2013 , 50, n/a-n/a	1
478	Catalyst-free, Knoevenagel Michael Addition Reaction of Dimedone under Microwave Irradiation: An Efficient One-pot Synthesis of Polyhydroquinoline Derivatives. 2013 , 50, 941-944	9
477	An Efficient Synthesis of New Dispiropyrrolidine Derivatives via Three-Component 1,3-Dipolar Cycloaddition Reaction. 2013 , 50, E121-E125	5
476	An eco-efficient, domino synthesis of highly functionalized spiro-oxindole derivatives catalyzed by an organocatalyst in an aqueous medium. 2013 , 3, 18775	11
475	General one-pot reductive gem-bis-alkylation of tertiary lactams/amides: rapid construction of 1-azaspirocycles and formal total synthesis of (⊞)-cephalotaxine. <i>Chemistry - A European Journal</i> , 4.8 2013 , 19, 13075-86	73
474	On the Probability That Ring-Forming Multicomponent Reactions Are Intrinsically Green: Setting Thresholds for Intrinsic Greenness Based on Design Strategy and Experimental Reaction Performance. 2013 , 1, 496-512	9
473	Efficient in Situ Synthesis of 3,5-Disubstituted-1,2,4-triazoles Under Microwave-Assisted Conditions. 2013 , 43, 3181-3191	8

472	Multicomponent assembly of 2-amino-4-substituted 4H-chromenes using cyclic Michael donors. 2013 , 91, 479-485	4
471	Protecting Group Free Synthesis of Carboxyl-substituted Dihydropyrimidines Through Biginelli Reaction. 2013 , 50, 1299-1303	5
470	Direct synthesis of diverse Efluoroethylamines by a multicomponent protocol. <i>Chemistry - A European Journal</i> , 2013 , 19, 3579-83	17
469	An Efficient Synthesis of N-Substituted-3-aryl-3-(4-hydroxy-6-methyl-2-oxo-2H-pyran-3-yl)propanamides by Four-Component Reaction in Aqueous Medium. 2013 , 50, 99-103	2
468	Synthesis of Thioamides by Catalyst-Free Three-Component Reactions in Water. 2013, 2013, 7054-7057	51
467	Efficient one-pot four-component synthesis of fused thiazolopyridin-2-ones in ionic liquid. 2013 , 125, 1471-1480	10
466	Isocyanide-based multicomponent reactions: synthesis of 2-(1-(alkylcarbamoyl)-2,2-dicyanoethyl)-N-alkylbenzamide and 1,7-diazaspiro[4,4]nonane-2,4-dione derivatives. 2013 , 69, 9832-9838	16
465	Copper ferrite nanoparticles: an efficient and reusable nanocatalyst for a green one-pot, three-component synthesis of spirooxindoles in water. 2013 , 15, 530-4	88
464	Single-step Ugi multicomponent reaction for the synthesis of phosphopeptidomimetics. 2013 , 78, 10077-87	9
463	Ionic-liquid-promoted Four-component One-pot Synthesis of Highly Functionalized Benzimidazo[2,1-b][1,3]thiazines: Facile Construction of N-fused Heterocycles. 2013 , 2, 519-524	9
462	Synthesis of fused pyridines in the presence of thiamine hydrochloride as an efficient and reusable catalyst in aqueous conditions. 2013 , 37, 3798	28
461	Micelle promoted multicomponent synthesis of 3-amino alkylated indoles via a Mannich-type reaction in water. 2013 , 3, 1673-1678	38
460	Copper-catalyzed click synthesis of functionalized 1,2,3-triazoles with 3,4-dihydropyrimidinone or amide group via a one-pot four-component reaction. 2013 , 69, 881-887	24
459	Expeditious synthesis, antibacterial activity evaluation and GQSAR studies of 3-bisoxindoles, 2-oxindolyl-2-hydroxyindan-1,3-diones and 2-oxindolyl-2-hydroxyacenaphthylen-1-ones. 2013 , 3, 496-507	17
458	Multi-component synthesis of peptide-sugar conjugates. 2013 , 11, 2421-44	10
457	A New, Fast and Easy Strategy for One-pot Synthesis of Full Substituted Cyclopropanes: Direct Transformation of Aldehydes to 3-Aryl-1,1,2,2-tetracyanocyclopropanes. 2013 , 60, 35-44	14
456	Synthesis of cyclopentadiene-fused chromanones via one-pot multicomponent reactions. 2013 , 78, 2611-6	27
455	Multicomponent Domino Process: Rational Designand Serendipity. 2013 , 579-610	4

454	One-pot three-component synthesis of pyrano [3,2-b]pyrazolo[4,3-e]pyridin-8(1H)-ones. 2013 , 15, 141-6	25
453	Higher-order multicomponent reactions: beyond four reactants. 2013 , 42, 4948-62	414
452	A one-pot, pseudo four-component synthesis of novel benzopyrano[2,3-b]pyridines under solvent-free conditions. 2013 , 54, 1963-1966	17
451	Thiamine hydrochloride (VB1)-catalyzed one-pot synthesis of (E)-N-benzylidene-2-phenyl-1H-benzo[d]imidazo[1,2-a]imidazol-3-amine derivatives. 2013 , 69, 2954-2960	18
450	Unusual reactivity of 1-aminoanthraquinone in copper catalyzed multicomponent reaction with isatins and aryl alkynes: synthesis and photophysical properties of regioisomeric fluorescent 3-spiroheterocyclic 2-oxindoles. 2013 , 69, 2891-2899	11
449	Straightforward Microwave-Assisted Synthesis of 5,8-Disubstituted 5,6,8,9-Te[trahydro-4H,7H-2,5,6a,8,9a-pentaazaphenalene-1,3-diones. 2013 , 2013, 1732-1739	4
448	One-Pot, Three-Component Synthesis of Novel Spiro[3H-indole-3,2?-thiazolidine]-2,4?(1H)-diones in an Ionic Liquid as a Reusable Reaction Media. 2013 , 96, 414-418	9
447	Synthesis of 3,4-dihydro-2H-1,4-benzo[b]thiazine derivatives via DABCO-catalyzed one-pot three-component condensation reactions. 2013 , 3, 4643	10
446	Silica supported tungstic acid (STA): an efficient catalyst for the synthesis of bis-spiro piperidine derivatives under milder condition. 2013 , 54, 1302-1306	36
445	Dual behavior of isatin-based cyclic ketimines with dicarbomethoxy carbene: expedient synthesis of highly functionalized spirooxindolyl oxazolidines and pyrrolines. 2013 , 15, 1512-5	51
444	Facile and Efficient Synthesis of Indol-3-yl Substituted Pyran Derivatives via One-Pot Multicomponent Reactions under Ultrasonic Irradiation. 2013 , 50, 244-251	7
443	Aromatic C=C bonds as dipolarophiles: facile reactions of uncomplexed electron-deficient benzene derivatives and other aromatic rings with a non-stabilized azomethine ylide. <i>Chemistry - A European</i> 4.8 <i>Journal</i> , 2013 , 19, 7181-92	83
442	Synthesis of novel isoquinolinone and 1,2-dihydroisoquinoline scaffolds via Ugi reaction and ring opening reaction of furans. 2013 , 17, 295-305	7
441	A p-toluenesulfinic acid-catalyzed three-component Ugi-type reaction and its application for the synthesis of ⊞-amino amides and amidines. 2013 , 54, 2340-2343	24
440	An efficient one-pot protocol for regioselective synthesis of 3-aryl-6,8-dialkyl-7-thioxo-7,8-dihydropyrimido[4,5-c] pyridazine-5(6H)-ones. 2013 , 34, 395-406	6
439	One-Pot Multicomponent Solvent-Free Synthesis of 2-Amino-4H-benzo[b]pyrans Catalyzed by Per-6-amino-Ecyclodextrin. 2013 , 1, 174-179	73
438	One pot imino DielsAlder reaction for the synthesis of 3-aryl-3,4-dihydrobenzo[f]quinoline derivatives catalyzed by antimony trichloride. 2013 , 54, 2920-2923	18
437	An efficient copper catalyzed one-pot, four-component, and diastereoselective synthesis of highly functionalized ferrocenyl azetidinimines. 2013 , 54, 3007-3010	9

436	Toward the Ideal Synthesis and Transformative Therapies: The Roles of Step Economy and Function Oriented Synthesis. 2013 , 69, 7529-7550	87
435	FeCl3 catalysed multicomponent divergent synthesis of a library of indeno-fused heterocycles. 2013 , 3, 3291	12
434	Following the Lead from Nature: Divergent Pathways in Natural Product Synthesis and Diversity-Oriented Synthesis. 2013 , 2013, 4195-4214	59
433	Gold(III)-catalyzed three-component coupling reaction (TCC) selective toward furans. 2013 , 15, 2884-7	58
432	Microwave-assisted Aqueous Multicomponent Reaction: Facile Synthesis of Polyfunctionalized Indoline-spiro Fused Pyran Derivatives. 2013 , 50, 599-602	13
431	Efficient Consecutive Four-Component Synthesis of 5-Acylpyrid-2-ones Initiated by Copper-Free Alkynylation. 2013 , 2013, 4303-4310	15
430	Synthesis of S- and N-Functionalized Dithiocarbamates from Cyclic Sulfates. 2013 , 2013, 3758-3763	3
429	Novel multicomponent reactions via trapping of protic onium ylides with electrophiles. 2013 , 46, 2427-40	453
428	Use of Sodium Molybdate Dihydrate as an Efficient Heterogeneous Catalyst for the Synthesis of Benzopyranopyrimidine Derivatives. 2013 , 43, 211-216	6
427	Novel isocyanide-based three-component reaction: a facile synthesis of substituted 1H-chromeno[2,3-d]pyrimidine-5-carboxamides. 2013 , 69, 8511-8515	26
426	One-pot synthesis of polysubstituted 2-piperidinones from aromatic aldehydes, nitromethane, ammonium acetate, and dialkyl malonates. 2013 , 144, 1031-1041	7
425	Chemical and electrocatalytic cascade cyclization of Guareschi imides: Bne-potIsimple and efficient way to the 2,4-dioxo-3-azabicyclo[3.1.0]hexane scaffold. 2013 , 69, 5234-5241	16
424	A benign synthesis of 2-amino-4H-chromene in aqueous medium using hydrotalcite (HT) as a heterogeneous base catalyst. 2013 , 3, 2050	57
423	Construction of Functional Macromolecules with Well-Defined Structures by Indium-Catalyzed Three-Component Polycoupling of Alkynes, Aldehydes, and Amines. 2013 , 46, 3246-3256	85
422	A rapid and simple diversity-oriented synthesis of novel 3-amino-2?-oxospiro [benzo[c]pyrano[3,2-a]phenazine-1,3?-indoline]-2-carbonitrile/carboxylate derivatives via a one-pot, four-component domino reaction. 2013 , 54, 3487-3492	20
421	A concise synthesis of 4-imino-3,4-dihydroquinazolin-2-ylphosphonates via a palladium-catalyzed reaction of carbodiimide, isocyanide, and phosphite. 2013 , 11, 798-802	33
420	Three-component assembly of structurally diverse 2-aminopyrimidine-5-carbonitriles. 2013, 15, 370-8	15
419	Asymmetric synthesis of vabicaserin via oxidative multicomponent annulation and asymmetric hydrogenation of a 3,4-substituted quinolinium salt. 2013 , 15, 2942-5	18

(2014-2013)

418	Synthesis and Antitumor Activity of Novel Coumarin Derivatives via a Three-component Reaction in Water. 2013 , 31, 507-514	44
417	Consecutive three-component synthesis of film luminescent indolone merocyanines with L-amino acid ester donors. 2013 , 49, 860-871	12
416	Novel and Efficient One-Pot Synthesis of Spiro[Indoline-3,4?-Pyrano [2,3-c]pyrazole]Derivatives Catalysed by L-Proline in Aqueous Medium. 2013 , 37, 365-368	17
415	Transition-metal-catalyzed multicomponent coupling reactions with imines and carbon monoxide. 2013 , 85, 377-384	20
414	A Dynamic Multicomponent Approach for One-Pot Synthesis of 3-Thioisoindolinones. 2013 , 53, 127-132	2
413	Scope and Post-Transformations for the Borane-Isocyanide Multicomponent Reactions: Concise Access to Structurally Diverse Heterocyclic Compounds. 2013 , 355, 3273-3284	10
412	A catalyst-free, one-pot three-component aminomethylation of ∃-substituted nitroacetates: theoretical and experimental studies into the rate-accelerating effects of the solvent methanol. 2013 , 8, 877-82	13
411	Efficient, Convenient and Mild Three Component Template Preparation and Characterization of Some New Schiff Base Complexes. 2013 , 60, 997-1002	1
410	Polyethylene glycol (PEG-400): an efficient and recyclable reaction medium for the synthesis of pyrazolo[3,4-b]pyridin-6(7H)-one derivatives. 2013 , 18, 13139-47	24
409	One-pot synthesis of 2'-aminobenzothiazolo-arylmethyl-2-naphthols catalyzed by NBS under solvent-free conditions. 2013 , 2013, 702929	3
409		173
	solvent-free conditions. 2013 , 2013, 702929	
408	solvent-free conditions. 2013, 2013, 702929 . 2014, Three-Component Asymmetric Catalytic Ugi ReactionConcinnity from Diversity by	173
408	. 2014, Three-Component Asymmetric Catalytic Ugi Reaction Toncinnity from Diversity by Substrate-Mediated Catalyst Assembly. 2014, 126, 3504-3509	173 15
408 407 406	. 2014, Three-Component Asymmetric Catalytic Ugi ReactionConcinnity from Diversity by Substrate-Mediated Catalyst Assembly. 2014, 126, 3504-3509 ECyclodextrin catalyzed synthesis of substituted indoles in aqueous medium. 2014, 5, 668-670 Selective synthesis of polyfunctionalized hydroisoquinoline derivatives via a three-component	173 15 5
408 407 406 405	. 2014, Three-Component Asymmetric Catalytic Ugi ReactionConcinnity from Diversity by Substrate-Mediated Catalyst Assembly. 2014, 126, 3504-3509 ECyclodextrin catalyzed synthesis of substituted indoles in aqueous medium. 2014, 5, 668-670 Selective synthesis of polyfunctionalized hydroisoquinoline derivatives via a three-component domino reaction. 2014, 4, 62457-62464 Inorganic base catalyzed synthesis of (2-amino-3-cyano-4H-chromene-4-yl) phosphonate derivatives	173 15 5
408 407 406 405 404	. 2014, Three-Component Asymmetric Catalytic Ugi Reaction Loncinnity from Diversity by Substrate-Mediated Catalyst Assembly. 2014, 126, 3504-3509 ECyclodextrin catalyzed synthesis of substituted indoles in aqueous medium. 2014, 5, 668-670 Selective synthesis of polyfunctionalized hydroisoquinoline derivatives via a three-component domino reaction. 2014, 4, 62457-62464 Inorganic base catalyzed synthesis of (2-amino-3-cyano-4H-chromene-4-yl) phosphonate derivatives via multi-component reaction under mild and efficient conditions. 2014, 4, 63420-63424 Greener and expeditious one-pot synthesis of dihydropyrimidinone derivatives using	173 15 5 7

400	A Facile and One-pot Synthetic Route to Functionalized Ethyl 3-(Alkanoyl)-2-(alkyl imino)-2,3-dihydrothiazole-4-carboxylate Derivatives under Mild, Solventand Catalyst-free Conditions. 2014 , 61, 1259-1264	4
399	Synthesis of 1-(Cyclohexylamino)-2-(aryl)pyrrolo[1,2-a]quinoline-3-carbonitrile Derivatives Using a Mild, Four-Component Reaction. 2014 , 51, E152-E155	7
398	Free-Radical Multicomponent Processes. 2014 , 401-438	3
397	Three-component reaction between amines, carbon disulfide and electron-deficient derivatives of chloropyridine or chlorobenzene: synthesis of 3,6-diazaspiro[4.5]deca-2,7,9-trien-6-ium chloride and dithioylcarbamates derivatives. 2014 , 11, 289-295	3
396	Synthesis of new spiro-oxindolo-(pyrrolizidines/pyrrolidines) via cycloaddition reactions of azomethine ylides and dibenzylideneacetone. 2014 , 145, 341-348	1
395	A Copper-Catalyzed One-Pot, Three-Component Diastereoselective Synthesis of 3-Spiroazetidinimine-2-oxindoles and Their Synthetic Transformation into Fluorescent Conjugated Indolones. 2014 , 2014, 954-965	18
394	Synthesis of alkynyl/alkenyl-substituted pyridine derivatives via heterocyclization and Pd-mediated Sonogashira/Heck coupling process in one-pot: a new MCR strategy. 2014 , 4, 17196-17205	11
393	Isocyanide-based multicomponent reactions: concise synthesis of spirocyclic oxindoles with molecular complexity by using a [1,5]-hydrogen shift as the key step. <i>Chemistry - A European Journal</i> 4.8 , 2014 , 20, 5905-9	44
392	Microwave assisted one-pot tandem three-component synthesis of 2,4,5-triary1-2-4-dihydro-3H-1,2,4-triazol-3-one derivatives. 2014 , 25, 553-556	8
391	An expeditious approach to access 2-arylimidazo[1,2-a]pyridin-3-ol from 2-amino pyridine through a novel Petasis based cascade reaction. 2014 , 55, 1281-1284	15
390	Uncapped SnO2 quantum dot catalyzed cascade assembling of four components: a rapid and green approach to the pyrano[2,3-c]pyrazole and spiro-2-oxindole derivatives. 2014 , 70, 6088-6099	53
389	Silica Sulfuric Acid-Catalyzed Five-component Efficient Synthesis of Five-Substituted Tetrahydropyridines. 2014 , 51, 442-449	4
388	The Dakin West analogue reaction: improvements and applications. 2014 , 145, 683-709	4
387	Exploiting the Divalent Nature of Isonitriles: a novel Pictet-Spengler Amidination process. 2014 , 55, 3328-333	31 ₁₄
386	Synthesis of N-Glycosyl Conjugates through a Multicomponent Domino Process. 2014 , 2014, 2386-2397	9
385	Pd-Mediated Multicomponent Synthesis of Highly Functionalized Pyridines and Consequential C [] Coupling Using Suzuki Reaction in One Pot: Their In Vitro Evaluation as Potential Antibacterial Agents. 2014 , 51, E104-E113	4
384	One-Pot Three-Component Domino Reaction for the Synthesis of Novel Spiro Indolinyl Isoxazolo[2,3-c][1,3,5]Thiadiazepinones Catalyzed by PTSA. 2014 , 51, 1814-1817	3
383	KF/Al2O3 Mediated Multicomponent Reactions for the Efficient Synthesis of Highly Substituted Dihydropyridines. 2014 , 51, E156-E162	8

382	Synthesis of novel fluorescent benzo[a]pyrano[2,3-c]phenazine and benzo[a]chromeno[2,3-c]phenazine derivatives via facile four-component domino protocol. 2014 , 55, 3431-3435		32
381	One-Pot Three-Component Synthesis of Benzo[f]thiopyrano[3,4-b]quinolin-11(8H)-one Derivatives. 2014 , 51, 702-705		5
380	Three-component asymmetric catalytic Ugi reactionconcinnity from diversity by substrate-mediated catalyst assembly. 2014 , 53, 3436-41		64
379	Toward lead-oriented synthesis: one-pot version of Castagnoli condensation with nonactivated alicyclic anhydrides. 2014 , 16, 146-53		24
378	Heterogeneous ditopic ZnFe2O4 catalyzed synthesis of 4H-pyrans: further conversion to 1,4-DHPs and report of functional group interconversion from amide to ester. 2014 , 16, 1426-1435		95
377	Molecular iodine: a green and inclusive catalyst for the synthesis of highly functionalized 1,3,5-trisubstituted pyrazoles in aqueous medium. 2014 , 4, 779-783		17
376	Ugi three-component coupling reaction for the synthesis of 2-(6-oxo-11-phenyl-7,8-dihydrobenzo[b]pyrrolo[1,2-d][1,4]diazocin-5(6H)-yl)-2-phenylacetamide derivatives. 2014 , 55, 657-661		3
375	One-pot synthesis of 1,2,4,5-tetrahydro-2,4-dioxobenzo[b][1,4]diazepine and malonamide derivatives using multi-component reactions. 2014 , 70, 9512-9521		17
374	The UgiBmiles and PasseriniBmiles Couplings: A Story About Phenols in Isocyanide-Based Multicomponent Reactions. 2014 , 2014, 7749-7762		50
373	Flash generation of \oplus -(trifluoromethyl)vinyllithium and application to continuous flow three-component synthesis of \oplus -trifluoromethylamides. 2014 , 50, 15079-81		15
372	A facile access to highly functionalized triphenylphosphoranylidene succinimides through a three-component reaction and DFT investigation of the reaction mechanism. 2014 , 4, 37900		2
371	Mild gold-catalyzed three-component dehydrogenative coupling of terminal alkynes to amines and indole-2-carboxaldehyde. 2014 , 12, 2523-7		31
370	InCl3-Assisted Synthesis of Pyrano[2,3-a]carbazoles via Multicomponent Reaction. 2014 , 44, 2656-2661		4
369	Ionic liquid accelerated multicomponent sequential assembly of ferrocene grafted spiro-heterocycles. 2014 , 768, 128-135		16
368	From targeted aza-Michael addition to linked azaheterocyclic scaffolds. 2014 , 70, 7336-7343		6
367	Multicomponent, one-pot and expeditious synthesis of highly substituted new spiro[indolo-3,10?-indeno[1,2-b]quinolin]-2,4,11?-triones under micellar catalytic effect of CTAB in water. 2014 , 4, 36890		21
366	Gold/acid-co-catalyzed direct microwave-assisted synthesis of fused azaheterocycles from propargylic hydroperoxides. <i>Chemistry - A European Journal</i> , 2014 , 20, 3384-93	4.8	16
365	Facile synthesis of imidazo[1,2-a]pyridines via a one-pot three-component reaction under solvent-free mechanochemical ball-milling conditions. 2014 , 4, 30229		16

364	Thee-component, one-pot synthesis of hexahydroazepino[3,4-b]indole and tetrahydro-1H-pyrido[3,4-b]indole derivatives and evaluation of their cytotoxicity. 2014 , 24, 4501-4503	18
363	Copper(I)-Catalyzed Decarboxylative Coupling of Propiolic Acids with Secondary Amines and Aldehydes. 2014 , 2014, 5346-5350	22
362	Formation of Phosphorylated 3H-Pyrroles from Nef?Isocyanide?Perkow Adducts and Tosylmethyl Isocyanide. 2014 , 97, 1004-1008	12
361	Synthesis of functionalized Elactams and pyrrolidine-2,5-diones through a metal-free sequential Ugi-4CR/cyclization reaction. 2014 , 79, 7926-34	53
360	Combinatorial synthesis of functionalized spirooxindole-pyrrolidine/pyrrolizidine/pyrrolothiazole derivatives via three-component 1,3-dipolar cycloaddition reactions. 2014 , 16, 506-12	37
359	DMAP-catalyzed four-component one-pot synthesis of highly functionalized spirooxindole-1,4-dihydropyridines derivatives in aqueous ethanol. 2014 , 70, 8768-8774	20
358	Chemical and electrocatalytic cascade cyclization of salicylaldehyde with three molecules of malononitrile: Bne-potsimple and efficient way to the chromeno[2,3-b]pyridine scaffold. 2014 , 70, 8559-8563	39
357	Efficient synthesis of novel tricyclic fused pyranothiazolopyrimidine derivatives via isocyanide-based three-component reactions. 2014 , 70, 8619-8623	11
356	A new and facile tetrachlorosilane-promoted one-pot condensation for the synthesis of a novel series of tetracyclic 1,5-thiazepines. 2014 , 55, 6039-6041	15
355	Ultrasound-assisted synthesis of novel 1,2,3-triazoles coupled diaryl sulfone moieties by the CuAAC reaction, and biological evaluation of them as antioxidant and antimicrobial agents. 2014 , 84, 433-43	74
354	Regioselective Passerini and Passerini Enoevenagel Reactions with vic-Diketo Amides. 2014, 2014, 993-1006	9
353	Synthesis of N-arylquinolone derivatives bearing 2-thiophenoxyquinolines and their antimicrobial evaluation. 2014 , 25, 1073-1076	4
352	Driving the Morita B aylis⊞illman Reaction to a Multicomponent Organic Transformation. 2014 , 2014, 788-796	3
351	Pyrrolidinone and Piperidinone Isocyanides from Isocyano Esters. 2014 , 2014, 4949-4952	3
350	A simple and clean method for multicomponent synthesis of spiro [indole-tetrahydropyrano(2,3-d)pyrimidine] derivatives using SBA-Pr-SO3H as catalyst under solvent-free conditions. 2014 , 11, 701-709	27
349	One-pot Solvent Free Synthesis of Some Tert-indolylmethane Amine Derivatives by Fe(HSO4)3 as a Recyclable Catalyst. 2014 , 61, 1265-1269	4
348	Predicting new Ugi-smiles couplings: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , 2014 , 20, 9094-9	6
347	Quaternary ammonium salt as alkylation agent in three-component reactions for the synthesis of benzothiazoles in water. 2014 , 4, 27775-27779	4

346	Phytic acid: a biogenic organocatalyst for one-pot Biginelli reactions to 3,4-dihydropyrimidin-2(1H)-ones/thiones. 2014 , 4, 19710-19715	31
345	A tailor-made "tag-receptor" affinity pair for the purification of fusion proteins. 2014 , 15, 1423-35	13
344	Sequential hydroformylation/diels-alder processes: one-pot synthesis of polysubstituted cyclohexenes, cyclohexadienes, and phthalates from alkynes. <i>Chemistry - A European Journal</i> , 2014 , 4.8 20, 7939-42	17
343	Facile and efficient synthesis of acridinediones from primary amino alcohols via three-component condensation reactions assisted by microwave irradiation. 2014 , 18, 474-478	13
342	Efficient polymeric catalyst for one-pot synthesis of acenaphtho[1,2-b]pyrroles. 2014 , 40, 139-147	5
341	Solid-state synthesis of novel 3-substituted indoles. 2014 , 17, 118-123	6
340	Pseudo-four component synthesis of mono- and di-benzylated-1,2,3-triazoles derived from aniline. 2013 , 19, 55-66	2
339	Recent Advances in Multicomponent Reaction Chemistry. 2015 , 145-187	21
338	Direct Synthesis of 4-Organylselanylpyrazoles by Copper- Catalyzed One-Pot Cyclocondensation and C?H Bond Selenylation Reactions. 2015 , 357, 4041-4049	26
337	One-Pot Synthesis of Phenanthridinones by Using a Base-Catalyzed/Promoted Bicyclization of <code>H,</code> <code>LI</code> nsaturated Carbonyl Compounds with Dimethyl Glutaconate. 2015 , 2015, 4892-4899	5
336	Copper(I)-Catalyzed Three-Component Coupling of N-Tosylhydrazones, Alkynes and Azides: Synthesis of Trisubstituted 1,2,3-Triazoles. 2015 , 357, 2277-2286	50
335	Revisiting the Passerini reaction mechanism: existence of the nitrilium, organocatalysis of its formation, and solvent effect. 2015 , 80, 5652-7	51
334	The Biginelli Reaction Is a Urea-Catalyzed Organocatalytic Multicomponent Reaction. 2015, 80, 6959-67	60
333	Iodine catalyzed mild 4CR protocol for synthesis of Tetrahydroimidazo[1,2-a]pyridines: cascade construction of multiple Ct and C⊞etero bonds. 2015 , 71, 4752-4756	13
332	Synthesis of 4H-chromenes promoted by NbCl5 through multicomponent reaction. 2015 , 56, 4476-4479	19
331	Four-component reaction between naphthols, substituted Enitrostyrenes, substituted benzaldehydes and ammonium acetate in water PEG-400: an approach to construct polysubstituted naphthofuranamines. 2015 , 5, 48580-48585	15
330	Four-Component Reaction of Alkyl Isocyanide, Acetylenic Esters, Phenols and Pyrrole; Synthesis of Dialkyl 2-[(alkylimino)(1H-pyrrol-2-yl)methyl]-3-(aryloxy) Succinate. 2015 , 39, 270-273	3
329	An efficient protocol for the one-pot multicomponent synthesis of polysubstituted pyridines by using a biopolymer-based magnetic nanocomposite. 2015 , 18, 1307-1312	15

328	Regioselective synthesis and antibacterial activity of 3-(cyanoacetyl)indole-based kojic acid derivatives. 2015 , 146, 335-343	9
327	Stereoselective Synthesis of Highly Functionalized Dispirooxindoles through [3+2] Cycloaddition of Carbonyl Ylides with 3-Arylideneoxindoles. 2015 , 2015, 2038-2041	15
326	One-pot synthesis of hydrazono-sulfonamide adducts using Cu(BTC) MOF catalyst and their remarkable AIEE properties: unprecedented copper(II)-catalyzed generation of ketenimine. 2015 , 5, 20003-2	20047
325	Chemoselective Condensation of ENaphthol, Dimethyl Malonate, and Aromatic Aldehydes Promoted by Niobium Pentachloride. 2015 , 45, 1114-1126	7
324	An efficient one-pot four-component synthesis of 5H-spiro[benzo[7,8]chromeno[2,3-c]pyrazole-7,3?-indoline]-2?,5,6(9H)-trione derivatives catalyzed by MgCl2. 2015 , 56, 1072-1075	14
323	An efficient catalyst-free chemoselective multicomponent reaction for the synthesis of pyrimidine functionalized pyrrolo-annelated derivatives. 2015 , 5, 24327-24335	20
322	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. 2015 , 25, 1417-9	2
321	Base-promoted cascade reaction of isocyanides, selenium and amines: a practical approach to 2-aminobenzo[d][1,3]selenazines under metal-free conditions. 2015 , 2, 1338-1341	35
320	Microwave-Assisted Multicomponent Synthesis of Dihydroquinoxalinones on Soluble Polymer Support. 2015 , 17, 421-5	20
319	FeCl3-Catalyzed Combinatorial Synthesis of Functionalized Spiro[Indolo-3,10'-indeno [1,2-b]quinolin]-trione Derivatives. 2015 , 17, 404-8	29
318	Metal-free domino one-pot protocols for quinoline synthesis. 2015 , 5, 42020-42053	113
317	Dynamic IH NMR studies of hindered internal rotations in the synthesized particular phosphorus ylide: experimental and theoretical approaches. 2015 , 145, 410-416	9
316	Easy access to (2-imidazolin-4-yl)phosphonates by a microwave assisted multicomponent reaction. 2015 , 71, 2872-2881	15
315	Unexpected Synthesis of 5,6-Dihydropyridin-2(1H)-ones by a Domino Ugi/Aldol/Hydrolysis Reaction Starting from Baylis-Hillman Phosphonium Salts. 2015 , 17, 2234-7	21
314	Synthesis of highly substituted cyclopentadienes containing quinoline nucleus. 2015 , 12, 1577-1584	2
313	Introduction. 2015 , 1-15	1
312	2-HydroxymalonitrileA useful reagent for one-step synthesis of ⊞-Hydroxy esters. 2015 , 31, 321-324	1
311	First synthesis of aminonaphthoquinones derived from lawsone in a colloidal dispersion system created by a Bristed acid-surfactant-combined catalyst in water: An environmentally friendly protocol. 2015 , 4, 14-18	8

310	Passerini/Tsuji-Trost strategies towards achieving lactams and cyclopentane derivatives. 2015 , 51, 6411-4	9
309	Facile and diverse microwave-assisted synthesis of secondary propargylamines in water using CuCl/CuCl2. 2015 , 5, 28921-28924	18
308	Post-Ugi carbocyclization/fragmentation sequence for the synthesis of 6,7-dihydro-5H-pyrrolo[3,4-b]pyridin-5-ones. 2015 , 56, 2882-2886	13
307	Mild and cost-effective green fluorescent protein purification employing small synthetic ligands. 2015 , 1418, 83-93	12
306	A concise and simple click reaction catalyzed by immobilized Cu(I) in an ionic liquid leading to the synthesis of Ehydroxy triazoles. 2015 , 18, 1257-1263	12
305	In situ generation and protonation of the isocyanide/acetylene adduct: a powerful catalyst-free strategy for multicomponent synthesis of ketenimines, aza-dienes, and heterocycles. 2015 , 5, 97044-97065	49
304	Synthesis of 2-hydroxymalononitrile. 2015 , 31, 685-687	2
303	(Z)-Stereoselective Synthesis of Mono- and Bis-heterocyclic Benzimidazol-2-ones via Cascade Processes Coupled with the Ugi Multicomponent Reaction. 2015 , 80, 9007-15	24
302	A novel one pot four-component reaction for the efficient synthesis of spiro[indoline-3,4?-pyrano[2,3-c]pyrazole]-3?-carboxylate and trifluoromethylated spiro[indole-3,4?-pyrano[2,3-c]pyrazole] derivatives using recyclable PEG-400. 2015 , 39, 8978-8983	12
301	Steroid-Derived Naphthoquinoline Asphaltene Model Compounds: Hydriodic Acid Is the Active Catalyst in I2-Promoted Multicomponent Cyclocondensation Reactions. 2015 , 17, 5930-3	9
300	ZnO nanosheet-promoted synthesis of 1,3-oxathiol-2-ylidene derivatives using alkyl bromides in water. 2015 , 51, 834-837	1
299	Synthesis of cyclic analogues of hexamethylenebis(3-pyridine)amide (HMBPA) in a one-pot process. 2015 , 56, 627-629	13
298	Diversity-oriented synthesis of intensively blue emissive 3-hydroxyisoquinolines by sequential Ugi four-component reaction/reductive Heck cyclization. <i>Chemistry - A European Journal</i> , 2015 , 21, 753-62	36
297	An Efficient Synthesis of 3-(3-benzyl-2-(phenylimino)-2,3-dihydrothiazol-4-yl)-6-methyl-4-(2-oxo-2-phenylethoxy)-3,4-dihydro-2H-pyran Derivatives via Multi-Component Approach. 2015 , 52, 1883-1886	-2 ₃ one
296	A green and one-pot synthesis of benzo[g]chromene derivatives through a multi-component reaction catalyzed by lipase. 2015 , 5, 5213-5216	44
295	Formal [3+2] cycloaddition of Ugi adducts towards pyrrolines. 2015 , 51, 1116-9	12
294	Three-Component Reaction of Pyrimidin-2-yl Sulfonates with Sodium Azide and Alkynes: An Efficient Approach to C2II riazolo Functionalized Pyrimidines. 2015 , 52, 1584-1588	2
293	Microwave-Assisted Aqueous Reactions: An Efficient Route to Benzodiazepines. 2015 , 52, 92-96	13

292	Dynamic 1H NMR studies around the heteroaryllarbon (NCHN) and nitrogenlarbon (NC=CH) single bonds in a particular enaminoester involving a phenanthridine along with theoretical calculations. 2015 , 41, 3307-3317	
291	Ceric Ammonium Nitrate (CAN)Catalyzed, Efficient, One-Pot, Three-Component, aza-DielsAlder Reactions for a Facile Synthesis of Tetrahydropyranoquinoline Derivatives. 2015 , 45, 494-502	2
29 0	ZnS nanoparticles as an efficient recyclable heterogeneous catalyst for one-pot synthesis of 4-substituted-1,5-benzodiazepines. 2015 , 39, 1228-1236	34
289	Catalyst-free one-pot four-component domino reactions in water PEG-400: highly efficient and convergent approach to thiazoloquinoline scaffolds. 2015 , 17, 950-958	47
288	Convenient one-pot synthesis of N-acyl-1,3-diaryl-2-azaphenalene derivatives via solvent-free five-component condensation reactions. 2015 , 41, 6523-6532	2
287	One-pot synthesis of tetracyclic fused imidazo[1,2-a]pyridines via a three-component reaction. 2016 , 12, 1487-92	8
286	Multicomponent Syntheses of Fluorophores Initiated by Metal Catalysis. 2016 , 2016, 2902-2918	13
285	Harnessing Thin-Film Continuous-Flow Assembly Lines. <i>Chemistry - A European Journal</i> , 2016 , 22, 10773- 6 4.8	18
284	Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. 2016 , 55, 5550-4	34
283	Nickel-Catalyzed Dimerization and Alkylarylation of 1,3-Dienes with Alkyl Fluorides and Aryl Grignard Reagents. 2016 , 128, 5640-5644	7
282	Silica-Coated Magnetic Nano-Particles: Application in Catalysis. 2016 , 1-38	5
281	Diastereoselective synthesis of novel N-substituted pyrrolidine-2-one containing piperazine derivatives. 2016 , 13, 1691-1698	2
280	Microwave-assisted one-pot three-component synthesis of imine 1,2,3-triazoles. 2016 , 57, 1592-1596	14
279	Novel multi-component syntheses of pyrimidines using ECD in aqueous medium. 2016 , 57, 1656-1660	11
278	An efficient and green La(OTf)3 catalyzed Petasis borono Mannich reaction for the synthesis of tertiary amines. 2016 , 42, 7533-7549	9
277	An environmentally benign approach for the synthesis of 3,4,5-trisubstituted 2-aminofurans under solvent-free conditions via isocyanide-based multicomponent approach. 2016 , 57, 2638-2641	9
276	Intermolecular dearomative oxidative coupling of indoles with ketones and sulfonylhydrazines catalyzed by I2: synthesis of [2,3]-fused indoline tetrahydropyridazines. 2016 , 59, 1311-1316	3
275	Multicomponent Coupling Reaction of Perfluoroarenes with 1,3-Butadiene and Aryl Grignard Reagents Promoted by an Anionic Ni(II) Complex. 2016 , 18, 4868-4871	30

(2016-2016)

274	and Dimethyl Acetylenedicarboxylate in the Presence of 3-Methylindole: Theoretical and Experimental Approach. 2016 , 48, 770-778	4
273	Vinyl Esters as Acetaldehyde Surrogates: Potential Utility in Some Common Multicomponent Sequences. 2016 , 1, 4672-4681	
272	Synthesis of polycyclic spiroindolines by highly diastereoselective interrupted Ugi cascade reactions of 3-(2-isocyanoethyl)indoles. 2016 , 52, 12482-12485	37
271	NbCl5-promoted the synthesis of 4H-pyrans through multicomponent reaction. 2016 , 57, 5050-5052	20
270	Multicomponent and Domino Syntheses of AIE Chromophores. 2016 , 85-112	14
269	Piperidine Catalyzed Fourdomponent Strategy for the Facile Access of Polyfunctionalized 1,4-Dihydropyridines at Ambient Conditions. 2016 , 1, 5196-5200	10
268	H3PMo12O40 immobilized chitosan/Fe3O4 as a novel efficient, green and recyclable nanocatalyst in the synthesis of pyrano-pyrazole derivatives. 2016 , 13, 2301-2308	23
267	An efficient one pot three-component domino reaction for the synthesis of 1,3,4-trisubstituted pyrroles. 2016 , 1, 675-679	5
266	Copper-Catalyzed Multicomponent Synthesis of Fluorescent 2?-Phenyl-1?H-spiro[fluorene-9,4?-naphtho[2,3-h]quinoline]-7?,12?-dione Derivatives. 2016 , 2016, 4516-4525	6
265	An expedient synthesis strategy to the 1,4-dihydropyridines and pyrido[1,2-a]quinoxalines: iodine catalyzed one-pot four-component domino reactions. 2016 , 72, 6428-6435	26
264	Two-Step Route to Diverse N-Functionalized Peptidomimetic-like Isatins through an Oxidation/Intramolecular Oxidative-Amidation Cascade of Ugi Azide and Ugi Three-Component Reaction Products. 2016 , 18, 4904-4907	23
263	Four-component, one-pot synthesis of spiropyrazolo pyrimidine derivatives by using recyclable nanocopper ferrite catalyst and antibacterial studies. 2016 , 46, 1999-2008	17
262	Three-Component Synthesis of 3-Aminoalkylindoles using Iron(III) Phosphate. 2016 , 1, 5530-5532	2
261	An Efficient Synthetic Access to Substituted Thiazolyl-pyrazolyl-chromene-2-ones from Dehydroacetic Acid and Coumarin Derivatives by a Multicomponent Approach. 2016 , 2016, 2628-2636	15
260	Highly Convergent Synthesis of Intensively Blue Emissive Furo[2,3-c]isoquinolines by a Palladium-Catalyzed Cyclization Cascade of Unsaturated Ugi Products. <i>Chemistry - A European Journal</i> , 2016 , 22, 2020-2031	23
259	A General, Concise Strategy that Enables Collective Total Syntheses of over 50 Protoberberine and Five Aporhoeadane Alkaloids within Four to Eight Steps. <i>Chemistry - A European Journal</i> , 2016 , 22, 7084-9.8	54
258	DABCO-catalyzed consecutive one pot four-component protocol for the synthesis of a novel class of (Z)-5-(3-hydroxy-2-oxoindolin-3-yl)-2-iminothiazolidin-4-ones. 2016 , 6, 13820-13828	1
257	Peculiarities of 2-amino-3-R-4-aryl-4H-pyranes multicomponent synthesis derived from 1H-2,1-benzothiazin-4(3H)-one 2,2-dioxide. 2016 , 6, 16087-16099	10

256	One-pot, four-component synthesis of new 3,4,7,8-tetrahydro-3,3-dimethyl-11-aryl-2H-pyridazino[1,2-a]indazole-1,6,9(11H)-triones and 2H-indazolo[2,1-b]phthalazine-1,6,11(13H)-triones using an acidic ionic liquid	19
255	N,N-diethyl-N-sulfoethanammonium chloride ([Et3NBO3H]Cl) as a highly efficient and recyclable An expedient sequential one-pot four component synthesis of novel steroidal spiro-pyrrolidine heterocycles in ionic liquid. 2016, 109, 1-6	15
254	Copper-catalyzed three-component cascade reaction of alkynes, sulfonyl azides and simple aldehydes/ketones. 2016 , 14, 3022-6	6
253	Hydrophobically directed, catalyst-free, multi-component synthesis of functionalized 3,4-dihydroquinazolin-2(1H)-ones. 2016 , 6, 21789-21794	18
252	Keggin and Dawson-type polyoxometalates as efficient catalysts for the synthesis of 3,4-dihydropyrimidinones: experimental and theoretical studies. 2016 , 57, 1492-1496	17
251	Multicomponent syntheses of functional chromophores. 2016 , 45, 2825-46	194
250	Solvent-free, four-component synthesis of 3,4,7,8-tetrahydro-3,3-dimethyl-11-aryl-2H-pyridazino[1,2-a]indazole-1,6,9(11H)-triones; using 1-butyl-3-methylimidazolium hydroxide ([bmim]OH) as a green and reusable catalyst. 2016 , 13, 1011-1017	6
249	3-Component synthesis of ⊞-substituted sulfonamides via Brfisted acid-catalyzed C(sp(3))-H bond functionalization of 2-alkylazaarenes. 2016 , 14, 5525-8	7
248	Chemodivergent, One-Pot, Multi-Component Synthesis of Pyrroles and Tetrahydropyridines under Solvent- and Catalyst-Free Conditions Using the Grinding Method. 2016 , 18, 236-42	23
247	Multicomponent access to indolo[3,3a-c]isoquinolin-3,6-diones: formal synthesis of (⊞)-plicamine. 2016 , 14, 3677-80	14
246	One-pot synthesis of N-phenyl-N?-(arylcarbonothioyl)-N-arylhydrazide derivatives from hydrazonoyl chlorides with sodium sulfide and aryldiazonium salts. 2016 , 37, 48-53	
245	Catalyst-free sonosynthesis of highly substituted propanamide derivatives in water. 2016 , 28, 393-399	60
244	D-Xylonic acid: a solvent and an effective biocatalyst for a three-component reaction. 2016 , 18, 1738-1750	34
243	A highly efficient heterogeneous copper-catalyzed three-component coupling of tetrahydroisoquinolines, aldehydes and 1-alkynes. 2016 , 6, 1488-1495	44
242	Sodium carbonate-catalyzed Claisen Schmidt condensation: one-pot synthesis of highly functionalized cyclohexenones under environmental conditions. 2016 , 42, 2233-2246	7
241	A Facile, Atom-Economical, and One-Pot Pseudo Four-Component Synthesis of Isoxazolylspiro[diindeno[1,2-b;2?,1?-e]pyridine-11,3?-indoline]-2?,10,12-triones Catalyzed by pTSA. 2017 , 54, 889-894	
240	Aqueous microwave-assisted DMAP catalyzed synthesis of Ephosphonomalonates and 2-amino-4H-chromen-4-ylphosphonates via a domino Knoevenagel-phospha-Michael reaction. 2017 , 20, 140-145	21
239	N-N bond formation in Ugi processes: from nitric acid to libraries of nitramines. 2017 , 53, 2118-2121	8

238	Cascade synthesis of selective dihydro pyridazino fused acridinone derivatives via MCM-41 catalyzed ring-opening/ring-closure reaction. 2017 , 58, 622-628	7
237	Mn(III)pentadentate Schiff base complex supported on multi-walled carbon nanotubes as a green, mild and heterogeneous catalyst for the synthesis of tetrahydrobenzo[b]pyrans via tandem KnoevenagelMichael cyclocondensation reaction. 2017 , 31, e3690	14
236	Microwave-assisted, solvent-free, one-pot, three-component synthesis of fused pyran derivatives containing benzothiazole nucleus catalyzed by pyrrolidine-acetic acid and their biological evaluation. 2017 , 148, 1057-1067	1
235	Microwave-assisted synthesis of triamide derivatives via a pseudo five-component one-pot reaction. 2017 , 47, 810-812	
234	Amine-Functionalized Silica-Supported Magnetic Nanoparticles: Preparation, Characterization and Catalytic Performance in the Chromene Synthesis. 2017 , 27, 714-719	42
233	Three-component, four-centered, one-pot synthesis of 1-(arylethynyl)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole derivatives. 2017 , 58, 2088-2093	1
232	An environmentally friendly approach for the synthesis of quinazolinone sulfonamide. 2017 , 148, 1453-1461	2
231	Peptide array functionalization via the Ugi four-component reaction. 2017 , 53, 5553-5556	12
230	Passerini/Tsujillrost Strategy towards Pyrrole Derivatives. 2017 , 2017, 4242-4246	4
229	3-Piperazinyl propenylidene indolone merocyanines: consecutive three-component synthesis and electronic properties of solid-state luminophores with AIE properties. 2017 , 1, 2013-2026	20
228	Stereoselective Synthesis of Quaternary Pyrrolidine-2,3-diones and EAmino Acids. 2017, 19, 2961-2964	21
227	One-Pot Multicomponent Synthesis of EAmino Amides. 2017 , 129, 4636-4639	8
226	A reactant promoted solvent free synthesis of 3,4-dihydropyrimidin-2(1 H)-thione analogues using ammonium thiocyanate. 2017 , 58, 1778-1780	11
225	Copper-Catalyzed Multicomponent Reactions: Synthesis of Fused 1,2,3-Triazolo-1,3,6-triazonines. 2017 , 2017, 2579-2586	16
224	Synthesis of 1H-Chromeno[2,3-d]Pyrimidine-5-Carboxamides under Solvent-Free Conditions at Ambient Temperature. 2017 , 41, 85-87	2
223	One-Pot Multicomponent Synthesis of EAmino Amides. 2017 , 56, 4565-4568	56
222	Zinc cation supported on carrageenan magnetic nanoparticles: A novel, green and efficient catalytic system for one-pot three-component synthesis of quinoline derivatives. 2017 , 31, e3682	16
221	Copper-Catalyzed Cascade Cyclization Reactions of Isocyanides with <code>\(\text{H}\)-Diazocarbonyls as N-Terminal Electrophiles: Efficient Synthesis of 2-Imidazolines and 1,1?-Biimidazoles. 2017, 359, 351-356</code>	25

220	Role of computational efficiency indices and pose clustering in effective decision making: An example of annulated furanones in Pf-DHFR space. 2017 , 67, 48-61	2
219	Aerobic radical-cascade cycloaddition of isocyanides, selenium and imidamides: facile access to 1,2,4-selenadiazoles under metal-free conditions. 2017 , 19, 1613-1618	43
218	An efficient Ugi-3CR/aza Diels-Alder/Pomeranz-Fritsch protocol towards novel aza-analogues of (⊞)-nuevamine, (⊞)-lennoxamine and magallanesine: a diversity oriented synthesis approach. 2017 , 15, 2363-2369	18
217	Csp3N bond formation in aminothiophenes by 1,1-dibromo isocyanide: the unexpected 1,5-binucleophilicity of substrates. 2017 , 14, 2607-2614	
216	Culmmobilized Mesoporous Silica Nanoparticles [Cu2+@MSNs-(CO2]2] as an Efficient Nanocatalyst for One-Pot Synthesis of Pyrazolopyranopyrimidines in Water. 2017 , 2, 9642-9646	10
215	Synthesis of penta- and tetra-cyclic cage-like compounds and dispiro heterocycles through microwave-assisted solvent-free multi-component domino reactions. 2017 , 41, 11009-11015	4
214	Construction of Four Copper Coordination Polymers Derived from a Tetra-Pyridyl-Functionalized Calix[4]arene: Synthesis, Structural Diversity, and Catalytic Applications in the A3 (Aldehyde, Alkyne, and Amine) Coupling Reaction. 2017 , 17, 5441-5448	11
213	Efficient synthesis of pyranochromene derivatives via three-component reaction of 4-hydroxy-6-methylpyran-1-one with aromatic aldehydes and cyclic 1,3-diketone catalyzed by ZnO nanoparticles. 2017 , 87, 1820-1825	2
212	Design and discovery of novel monastrol-1,3,5-triazines as potent anti-breast cancer agent via attenuating Epidermal Growth Factor Receptor tyrosine kinase. 2017 , 7, 5851	33
211	Palladium-Catalyzed Incorporation of Two C1 Building Blocks: The Reaction of Atmospheric CO and Isocyanides with 2-Iodoanilines Leading to the Synthesis of Quinazoline-2,4(1H,3H)-diones. 2017 , 19, 4484-4487	53
210	One-pot, three-component synthesis and in vitro antibacterial evaluation of novel 3-amino-N-benzyl-1-aryl-1H-benzo[f]chromene-2-carboxamide derivatives. 2017 , 14, 2331-2337	5
209	Single Reactant Replacement Approach of Passerini Reaction: One-Pot Synthesis of EAcyloxyamides and Phthalides. 2017 , 19, 4616-4619	32
208	Palladium-Catalyzed Isocyanide Insertion with Allylic Esters: Synthesis of N-(But-2-enoyl)-N-(tert-butyl)benzamide Derivatives via Intramolecular Acyl Transfer Termination. 2017 , 359, 3538-3544	9
207	Metal-Catalyzed Multicomponent Reactions. 2017 , 1195-1220	1
206	Synthesis of Heterocycles by Pd-catalyzed and Pd-catalysis Initiated Multi-component Reactions. 2017 , 1463-1484	1
205	Macrocycles from Multicomponent Reactions. 2017 , 339-376	1
204	Ugi Reaction Followed by Intramolecular DielsAlder Reaction and Elimination of HCl: One-Pot Approach to Arene-Fused Isoindolinones. 2017 , 2017, 4379-4388	13
203	Synthesis of fluorescent heterocycles via a Knoevenagel/[4 + 1]-cycloaddition cascade using acetyl cyanide. 2017 , 15, 6076-6079	10

202	An Efficient One-Pot Protocol for the Synthesis of Polysubstituted 4-Amino-iminocoumarins and 4-Aminoquinolines by a Copper-Catalyzed Three-Component Reaction. 2017 , 2017, 102-110	24
201	Synthesis of silyl-protected terminal thioalkyne-substituted tetraaryl imidazoles: utilization of AgHe/ZSM-5 bimetallic nanooxides for cyclocondensation of polysubstituted imidazoles. 2017 , 43, 2653-2668	7
2 00	N,N?-Dialkyl-4-Aryl-3,4-Dihydropyrimidinones and Thiones: Ceric Ammonium Nitrate Catalyzed Synthesis and Molecular Structure Determination by X-ray Crystallography. 2017 , 54, 1486-1491	2
199	An efficient, four-component reaction for the synthesis of novel carbamodithioates. 2017 , 38, 43-51	3
198	Microwave-Assisted Regioselective Synthesis of 3-Functionalized Indole Derivatives via Three-Component Domino Reaction. 2017 , 19, 708-713	28
197	Ring Rearrangement Metathesis in 7-Oxabicyclo[2.2.1]heptene (7-Oxanorbornene) Derivatives. Some Applications in Natural Product Chemistry. 2017 , 12, 1934578X1701200	
196	New tricks of well-known aminoazoles in isocyanide-based multicomponent reactions and antibacterial activity of the compounds synthesized. 2017 , 13, 1050-1063	12
195	A practical and efficient approach to imidazo[1,2-]pyridine-fused isoquinolines through the post-GBB transformation strategy. 2017 , 13, 817-824	10
194	Synergy Effects in the Chemical Synthesis and Extensions of Multicomponent Reactions (MCRs)-The Low Energy Way to Ultra-Short Syntheses of Tailor-Made Molecules. 2017 , 22,	10
193	Consecutive One-Pot versus Domino Multicomponent Approaches to 3-(Diarylmethylene)oxindoles. 2017 , 22,	8
192	One-pot syntheses of blue-luminescent 4-aryl-1-benzo[isoindole-1,3(2)-diones by T3P activation of 3-arylpropiolic acids. 2017 , 13, 2340-2351	2
191	Synthesis of Highly Substituted Imidazole Uracil Containing Molecules via Ugi-4CR and Passerini-3CR. 2018 , 20, 192-196	11
190	Synthesis of (E)-3-(2-Oxo-2-arylethylidene)indolin-2-ones through Alkyne Carbonyl Metathesis and Their Stereospecific Application towards Spiro-oxindolopyrrolizidine Scaffolds. 2018 , 2018, 1496-1506	10
189	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. 2018 , 3, 2261-2266	13
188	ECarbolinone Analogues from the Ugi Silver Mine. 2018, 2018, 3139-3143	6
187	Heterogeneous AlPO4(SO3H) nanosheets: novel catalyst for the multi-component synthesis of quinazolinones and highly functionalized piperidines. 2018 , 15, 1107-1118	14
186	Theoretical study on mechanism of reaction between tert-butyl isocyanide and dimethyl acetylenedicarboxylate in presence of ethanethiol or thiophenol. 2018 , 44, 2653-2665	3
185	Nickel-catalyzed coupling reaction of alkyl halides with aryl Grignard reagents in the presence of 1,3-butadiene: mechanistic studies of four-component coupling and competing cross-coupling reactions. 2018 , 9, 2195-2211	31

184	Flow-Assisted Synthesis of Heterocycles via Multicomponent Reactions. 2018 , 133-159	1
183	One-Pot Synthesis of Spiro[chromeno[2,3-c]pyrazole-4,3?-indoline]-diones Using Sulfonic Acid Functionalized Nanoporous Silica SBA-Pr-SO3H and Study of Their Antimicrobial Properties. 2018 , 38, 66-74	6
182	Efficient Synthesis of Novel Polyfunctionalized Pyrazole Derivatives via Isocyanide-Based Three-Component Reaction. 2018 , 38, 213-218	3
181	Fe3O4@SiO2@rCl2-MNPs: A novel magnetic catalyst for the clean and efficient cascade synthesis of 1-(benzothiazolylamino)methyl-2-naphthol derivatives in the absence of solvent. 2018 , 32, e3972	12
180	ZnO-nanoparticles as an efficient catalyst for the synthesis of tetrasubstituted cyclopentadienones using sulfonoketenimides and enaminoesters. 2018 , 193, 45-49	3
179	One-pot synthesis of novel 1-(1H-tetrazol-5-yl)-1,2,3,4-tetrahydropyrrolo[1,2-a]pyrazine derivatives via an Ugi-azide 4CR process. 2018 , 22, 291-303	8
178	1,3-Di-n-butylimidazolium tribromide [BBim]Br: An efficient recyclable catalyst mediated synthesis of N-substituted azepines and their biological evaluation-interaction study with human serum albumin. 2018 , 178, 101-107	7
177	One-pot synthesis of novel 3,10-dihydro-2H-1,3-oxazepino[7,6-b]indoles via 1,4-dipolar cycloaddition reaction. 2018 , 74, 42-48	9
176	Multicomponent Reactions, Solvent-Free Synthesis of 2-Amino-4-aryl-6-substituted Pyridine-3,5-dicarbonitrile Derivatives, and Corrosion Inhibitors Evaluation. 2018 , 2018, 1-9	9
175	Direct synthesis of indenes via a rhodium-catalyzed multicomponent C-H annulation reaction. 2018 , 16, 8042-8047	6
174	Atom-economical, room-temperature, and high-efficiency synthesis of polyamides via a three-component polymerization involving benzoxazines, odorless isocyanides, and water. 2018 , 9, 5566-557	1 ¹⁹
173	A four-component radical cascade trifluoromethylation reaction of alkenes enabled by an electron-donor-acceptor complex. 2018 , 54, 12710-12713	30
172	Microwave irradiation: a green approach for the synthesis of functionalized -methyl-1,4-dihydropyridines 2018 , 8, 41892-41903	13
171	A GREEN APPROACH FOR THE SYNTHESIS OF 2-AMINO-4H-BENZO [B] PYRAN DERIVATIVES USING DBU AS AN EFFICIENT CATALYST. 2018 , 9, 59-65	
170	Electrosynthesis of Nanoparticles of 2-Amino-4H-Pyrans by One-Pot Reaction between Aromatic Aldehydes, Malononitrile and 4,4,4-Trifluoro-1-Phenylbuta-1,3-dione. 2018 , 42, 521-524	1
169	Acidic ionic liquids: highly efficient catalysts for one-pot four-component synthesis of pyrazolo[1,2-b]phthalazines under solvent-free conditions. 2018 , 54, 1056-1060	3
168	Glycerol Mediated Synthesis, Biological Evaluation, and Molecular Docking Study of 4-(1H-pyrazol-4-yl)-polyhydroquinolines as Potent Antitubercular Agents. 2018 , 56, 608	1
167	A Simple and Efficient Synthesis of Highly Substituted Indeno[1,2-]pyrrole and Acenaphtho[1,2-]pyrrole Derivatives by Tandem Three-Component Reactions. 2018 , 23,	5

166	A bidirectional access to novel thiadiazine hybrid molecules by double multicomponent reactions. 2018 , 59, 4050-4053	8
165	1,4-Conjugate addition/esterification of ortho-quinone methides in a multicomponent reaction. 2018 , 54, 11753-11756	24
164	Daminobutyric acid and collagen peptides as recyclable bifunctional biocatalysts for the solvent-free one-pot synthesis of 2-aminobenzothiazolomethyl-2-naphthols. 2018 , 11, 429-438	7
163	Gold Catalyzed Multicomponent Reactions beyond A∏Coupling. 2018 , 23,	18
162	Multicomponent Synthesis of Tetrahydroisoquinolines. 2018 , 20, 3460-3464	36
161	Asymmetric Three-Component Reaction for the Synthesis of Tetrasubstituted Allenoates via Allenoate-Copper Intermediates. 2018 , 4, 1658-1672	48
160	One-pot synthesis, biological evaluation and molecular docking studies of fused thiazolo[2,3-b]pyrimidinone-pyrazolylcoumarin hybrids. 2018 , 22, 943-956	7
159	Dihydroindeno[1,2-b]pyrroles: new Al selective off-on chemosensors for bio-imaging in living HepG2 cells. 2018 , 16, 5920-5931	15
158	Synthesis of new spiro pyrrole/pyrrolizine/thiazole derivatives via (3+2) cycloaddition reactions. 2018 , 42, 13819-13827	14
157	Domino Insertion-Coupling Synthesis of Solid-State Luminescent Propynylidene Indolones. Chemistry - A European Journal, 2018 , 24, 14712-14723 4.8	9
156	Metal Free C-H Functionalization Enabled Diastereoselective Multicomponent Reaction of N-Heterocycles to Fused Heteropolycycles. 2018 , 83, 8874-8887	20
155	Hexafluoroisopropanol as the Acid Component in the Passerini Reaction: One-Pot Access to EAmino Alcohols. 2018 , 20, 3988-3991	19
154	Real Multicomponent Reactions: Synthesis of Highly Substituted 2-Aminothiazoles. 2018 , 2018, 4673-4682	5
153	Ni-Catalyzed Dimerization and Hydroperfluoroarylation of 1,3-Dienes. 2018 , 83, 9267-9277	13
152	Triazole-gold (TAAu) catalyzed three-component coupling (A3 reaction) towards the synthesis of 2, 4-disubstituted quinoline derivatives. 2019 , 30, 392-394	14
151	Two step, one-pot sequential synthesis of functionalized hybrid polyheterocyclic scaffolds a solid state melt reaction (SSMR) 2019 , 9, 24314-24318	2
151 150	Two step, one-pot sequential synthesis of functionalized hybrid polyheterocyclic scaffolds a solid	2 61

148	Phenanthridine-Fused Tetracyclic Ring System: Metal-Free Diastereoselective Modular Construction of Highly Constrained Polyheterocycles via Post-Ugi Tandem Modifications. 2019 , 21, 6726-6730	16
147	Enantioselective synthesis of spiro[-pyran-3,3'-oxindole] derivatives catalyzed by cinchona alkaloid thioureas: Significant water effects on the enantioselectivity. 2019 , 49, 2971-2982	5
146	Novel electrophilic amides amenable by the Ugi reaction perturb thioredoxin system via thioredoxin reductase 1 (TrxR1) inhibition: Identification of DVD-445 as a new lead compound for anticancer therapy. 2019 , 181, 111580	12
145	One-Pot Reaction of Carboxylic Acids, Ynol Ethers, and -CPBA for Synthesis of ∃-Carbonyloxy Esters. 2019 , 21, 6423-6426	3
144	Ugi efficient synthesis, biological evaluation and molecular docking of coumarin-quinoline hybrids as apoptotic agents through mitochondria-related pathways. 2019 , 91, 103147	13
143	Silica catalyzed one pot synthesis of hybrid thiazolidin-4-one derivatives as anti-tubercular and anti-inflammatory agent by attenuating COX-2 pathway. 2019 , 49, 2725-2759	7
142	Green synthesis of naphtho[2,3-f]quinolin-13-one and naphtho[2,3-a]acridin-1(2H)-one derivatives catalyzed by heteropoly acid supported montmorillonite K-10 clay. 2019 , 1-13	
141	Vicinal difunctionalization of alkenes by four-component radical cascade reaction of xanthogenates, alkenes, CO, and sulfonyl oxime ethers. 2019 , 15, 1822-1828	1
140	A Novel Synthesis and Antioxidant Evaluation of Functionalized [1,3]-Oxazoles Using Fe3O4-Magnetic Nanoparticles. 2019 , 56, 2744-2752	7
139	Microwave-Assisted Synthesis and Biological Evaluation of Some New Pyrazolothiazoles via a Multicomponent Approach. 2019 , 4, 9878-9881	8
138	Efficiency of complex syntheses as multicomponent reactions, its algorithm and calculations based on concrete criteria. 2019 , 15, 1425-1433	
137	Catalytic One-Pot Double Asymmetric Cascade Reaction: Synthesis of Chlorinated Oxindoles and Geminal Diamines. 2019 , 9, 1748-1752	17
136	Multicomponent Ugi Reaction of Indole- N-carboxylic Acids: Expeditious Access to Indole Carboxamide Amino Amides. 2019 , 21, 5269-5272	12
135	Convenient One-Pot Four-Component Synthesis of 6,8-Disubstituted-5,6,7,8-tetrahydropyrimido[4,5-d]pyrimidin-4(3H)-ones via a Triple Mannich Reaction. 2019 , 72, 542	4
134	Synthesis of a wide range of biologically important spiropyrans and spiroacenaphthylenes, using NiFe2O4@SiO2@Melamine magnetic nanoparticles as an efficient, green and reusable nanocatalyst. 2019 , 1193, 118-124	18
133	Synthesis and molecular docking studies of some new thiosemicarbazone derivatives as HCV polymeraseinhibitors. 2019 , 49, 1444-1456	13
132	Synthesis, conformational analysis and molecular docking studies on three novel dihydropyrimidine derivatives. 2019 , 1192, 274-287	5
131	Chemodivergent, multicomponent-tandem facile synthesis of novel 1H-pyrazolo[1,2-b]phthalazine-5,10-dione using acetic acid functionalized imidazolium salt {[cmdmim]I} as a recyclable catalyst. 2019 , 43, 8266-8278	7

130	Ultrasound-Promoted One-Pot Synthesis of Mono- or Bis-Substituted Organylselanyl Pyrroles. 2019 , 84, 5471-5482	15
129	Cationic Pd(II) catalyzed regioselective intramolecular hydroarylation for the efficient synthesis of 4-aryl-2-quinolones. 2019 , 75, 2506-2520	12
128	Gold-Catalyzed Post-Ugi Cascade Transformation for the Synthesis of 2-Pyridones. 2019 , 2019, 2502-2507	7
127	Electrostatically Enhanced Sulfuric Acid: A Strong Brfisted Acidic Catalyst for Multi-Component Reactions. 2019 , 149, 1934-1940	3
126	One-Pot KnoevenagelMichaelfyclization Cascade Reaction for the Synthesis of Functionalized Novel 4H-pyrans by Using ZnCl2 as a Catalyst. 2019 , 56, 1020-1029	11
125	Copper iodide and ZnO nanoparticles catalyzed multicomponent synthesis of 1,3-cyclopentadiene: study of antioxidant activity. 2019 , 97, 270-276	3
124	Palladium-Catalyzed Multicomponent Reaction of Alkynes, Carboxylic Acids, and Isocyanides: A Direct Approach to Captodative Olefins. 2019 , 21, 1593-1597	18
123	Base Controlled Three-Component Regioselective Synthesis of 2-Imino Thiazolines and 2-Thioxoimidazolin-4-ones. 2019 , 21, 269-275	5
122	. 2019,	2
121	Multicomponent Radical Processes: Recent Developments. 2019 , 121-182	
120	Synthesis of coumarin based Knoevenagel-Ugi adducts by a sequential one pot five-component reaction and their biological evaluation as anti-bacterial agents. 2019 , 60, 8-12	18
119		18 0
	reaction and their biological evaluation as anti-bacterial agents. 2019 , 60, 8-12 An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type	
119	reaction and their biological evaluation as anti-bacterial agents. 2019 , 60, 8-12 An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type MCR. 2019 , 2018, 174-183 Biosynthesis of Fe3O4-magnetic nanoparticles using clover leaf aqueous extract: Green synthesis	O
119	reaction and their biological evaluation as anti-bacterial agents. 2019 , 60, 8-12 An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type MCR. 2019 , 2018, 174-183 Biosynthesis of Fe3O4-magnetic nanoparticles using clover leaf aqueous extract: Green synthesis of 1,3-benzoxazole derivatives. 2020 , 67, 891-897 Facile, efficient and one-pot access to diverse new functionalized aminoalkyl and amidoalkyl naphthol scaffolds via green multicomponent reaction using triethylammonium hydrogen sulfate	9
119 118	reaction and their biological evaluation as anti-bacterial agents. 2019, 60, 8-12 An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type MCR. 2019, 2018, 174-183 Biosynthesis of Fe3O4-magnetic nanoparticles using clover leaf aqueous extract: Green synthesis of 1,3-benzoxazole derivatives. 2020, 67, 891-897 Facile, efficient and one-pot access to diverse new functionalized aminoalkyl and amidoalkyl naphthol scaffolds via green multicomponent reaction using triethylammonium hydrogen sulfate ([EtNH][HSO]) as an acidic ionic liquid under solvent-free conditions. 2020, 24, 241-252 Ultrasound-Assisted Ecyclodextrin Catalyzed One-Pot Cascade Synthesis of	o 9 6
119 118 117 116	An efficient protocol for the synthesis of N-fused 2, 5-diketopiperazine via base catalyzed Ugi-type MCR. 2019, 2018, 174-183 Biosynthesis of Fe3O4-magnetic nanoparticles using clover leaf aqueous extract: Green synthesis of 1,3-benzoxazole derivatives. 2020, 67, 891-897 Facile, efficient and one-pot access to diverse new functionalized aminoalkyl and amidoalkyl naphthol scaffolds via green multicomponent reaction using triethylammonium hydrogen sulfate ([EtNH][HSO]) as an acidic ionic liquid under solvent-free conditions. 2020, 24, 241-252 Ultrasound-Assisted Ecyclodextrin Catalyzed One-Pot Cascade Synthesis of Pyrazolopyranopyrimidines in Water. 2020, 150, 450-460 Synthesis of highly functionalized organic compounds through Ugi post-transformations started	o 9 6 19

112	A meglumine catalystbased synthesis, molecular docking, and antioxidant studies of dihydropyrano[3, 2-b]chromenedione derivatives. 2020 , 57, 355-369	5
111	On-resin multicomponent 1,3-dipolar cycloaddition of cyclopentanone-proline enamines and sulfonylazides as an efficient tool for the synthesis of amidino depsipeptide mimics. 2020 , 52, 15-24	2
110	Chemo-selective Synthesis of [indoline-3,4'-isoxazolo[5,4-b]pyridine Fused spirooxindole Derivatives via Brfisted Acid Catalysed Three@omponent Tandem Knoevenagel/Michael Addition Reaction. 2020 , 2, 100064	4
109	Green Bio-organic and Recoverable Catalyst Taurine (2-aminoethanesulfonic acid) for Synthesis of Bio-active Compounds 3,4-Dihydropyrimidin Derivatives in Aqueous Medium 2020 , 5, 12098-12102	7
108	Dihydropyrimidinones: efficient one-pot green synthesis using Montmorillonite-KSF and evaluation of their cytotoxic activity 2020 , 10, 42221-42234	6
107	⊞-Amidoamids as New Replacements of Antibiotics-Research on the Chosen K12, R2-R4 Strains. 2020 , 13,	10
106	Azirine-containing dipeptides and depsipeptides: synthesis, transformations and antibacterial activity. 2020 , 18, 9448-9460	2
105	Iodine-Promoted One-Pot Multicomponent Chemoselective Reaction for C-C/C-N and C-C/C-S Bond Formation Using Thiols. 2020 , 2020, 5780-5784	5
104	Recent advances in alkaline earth metal-enabled syntheses of heterocyclic compounds. 2020 , 18, 6443-6466	5
103	Uses of ethyl benzoyl acetate for the synthesis of thiophene, pyran, and pyridine derivatives with antitumor activities. 2020 , 57, 4023-4035	3
102	Controlling the stereochemistry in 2-oxo-aldehyde-derived Ugi adducts through the cinchona alkaloid-promoted electrophilic fluorination. 2020 , 16, 1963-1973	1
101	Synthesis of Chromeno[4,3-]pyrrol-4(1)-ones through a Multicomponent Reaction and Cyclization Strategy. 2020 , 5, 21968-21977	2
100	A perspective on environmentally benign protocols of thiazole synthesis. 2020 , 56, 455-463	5
99	Catalytic Asymmetric Three-component Hydroacyloxylation/ 1,4-Conjugate Addition of Ynamides. 2020 , 15, 1953-1956	4
98	Isocyanoacetate-Aldehyde Polymerization: A Facile Tool toward Functional Oxazoline-Containing Polymers. 2020 , 41, e2000179	6
97	Ultrasound Assisted and Aluminized Polyborate Prompted Green and Efficient One Pot Protocol for the Synthesis of Hexahydroquinolines. 2020 , 1-16	7
96	Design and synthesis of new thiazoles by microwave-assisted method: Evaluation as an anti-breast cancer agents and molecular docking studies. 2020 , 50, 2488-2501	3
95	Role of incorporated transition metal on surface properties and catalytic activity of mesoporous vanadium aluminophosphates in the synthesis of tetrahydroquinolin-5-(1H)-ones. 2020 , 28, 100419	O

(2021-2020)

94	Diastereoselective and Reversed Regioselective Annulations of -Alkyl Anilines to Julolidines and Lilolidines. 2020 , 22, 4883-4887	1
93	Direct synthesis of heterocycles via MCRs, using a name reaction. 2020 , 15-138	
92	Triethanolamine lactate-supported nanomagnetic cellulose: a green and efficient catalyst for the synthesis of pyrazolo[3,4-b]quinolines and theoretical study. 2020 , 46, 2749-2765	11
91	Synthesis, photophysical and electrochemical properties of donor ceptor type hydrazinyl thiazolyl coumarins. 2020 , 44, 7007-7016	1
90	Semi-synthetic diversification of coronarin D, a labdane diterpene, under Ugi reaction conditions. 2020 , 1-7	1
89	Introduction. 2020 , 1-14	1
88	Copper-Catalyzed Modular Assembly of Polyheterocycles. 2020 , 85, 9915-9927	4
87	Iodine-catalyzed ultrasound-assisted construction of pyridines and their glutamine synthetase molecular docking. 2020 , 67, 1296-1302	1
86	Organocatalytic Cascade Knoevenagel Michael Addition Reactions: Direct Synthesis of Polysubstituted 2-Amino-4H-Chromene Derivatives. 2020 , 150, 2331-2351	14
85	Four-Component One-Pot Process Involving Passerini Reaction Followed by Aldol Addition and Transesterification. 2020 , 2020, 3378-3389	3
84	Automated, Accelerated Nanoscale Synthesis of Iminopyrrolidines. 2020, 132, 12523-12527	2
83	Automated, Accelerated Nanoscale Synthesis of Iminopyrrolidines. 2020 , 59, 12423-12427	11
82	Indole-N-Carboxylic Acids and Indole-N-Carboxamides in Organic Synthesis. 2020 , 15, 973-985	5
81	Synthesis of Novel Biologically Important 5-Amino-2-Oxo-7-Aryl-3,7-Dihydro-2H-Pyrano[2,3-d]Thiazole-6-Carbonitriles in Trifluoroethanol (TFE) under Ultrasound Irradiation Condition and Their Antimicrobial Activity. 2020 , 1-11	3
80	Base-Promoted Multicomponent Reactions: A Synthesis of 2-Amino-1,3-selenazole Derivatives. 2020 , 85, 3508-3516	10
79	An asymmetric hydrocyanation/Michael reaction of ⊞-diazoacetates via Cu(i)/chiral guanidine catalysis. 2020 , 56, 2155-2158	8
78	Synthesis, Molecular Docking, and Preliminary Evaluation of 2-(1,2,3-Triazoyl)benzaldehydes As Multifunctional Agents for the Treatment of Alzheimer's Disease. 2020 , 15, 610-622	6
77	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO) nanomaterials: Promising green methodologies in organic chemistry. 2021 , 279, 111603	11

76	Nano-pistachio hull-OxTiCl4 Ik: synthesis, characterization and application as an effective and novel nanocatalyst for one-pot synthesis of dihydropyrano[3,2-b]chromenedione derivatives. 2021 , 18, 1137-1145	3
75	Synthesis of Fe3O4-supported Schiff base Cu (II) complex: a novel efficient and recyclable magnetic nanocatalyst for one-pot three-component synthesis of quinolin-5-one, chromene-3-carbonitrile and phthalazine-5,10-dione derivatives. 2021 , 47, 683-707	8
74	Effective catalytic approach of NiTiO3 photosonocatalyst for the synthesis of indazolo[3,2-b]quinazoline and its photophysical property. 2021 , 35, e6109	0
73	Triazenyl Alkynes as Versatile Building Blocks in Multicomponent Reactions: Diastereoselective Synthesis of EAmino Amides. 2021 , 133, 5207-5211	
72	Advances in Base-Mediated Post-Ugi Transformations via Peptidyl Anion Trapping. 2021, 10, 315-333	4
71	Triazenyl Alkynes as Versatile Building Blocks in Multicomponent Reactions: Diastereoselective Synthesis of EAmino Amides. 2021 , 60, 5147-5151	10
70	Unexpected regio- and stereoselective [4 + 3] cycloaddition reaction of azomethine ylides with benzylidene thiazolidinediones: synthesis of pharmacologically active spiroindoline oxazepine derivatives and theoretical study. 2021 , 25, 29-43	3
69	Highly diastereoselective synthesis of vicinal diamines via a Rh-catalyzed three-component reaction of diazo compounds with diarylmethanimines and ketimines. 2021 , 8, 2997-3003	3
68	Palladium-catalyzed Ugi-type reaction of 2-iodoanilines with isocyanides and carboxylic acids affording -acyl anthranilamides. 2021 , 57, 4247-4250	1
67	Recent approaches towards one-carbon homologation-functionalization of aldehydes. 2021 , 19, 3055-3074	2
66	Nano-pistachio hull-OSO3H: synthesis, characterization and application as an effective and novel nanocatalyst for one-pot synthesis of dihydropyrano [3, 2-b] chromene dione derivatives. 2021 , 132, 251-260	3
65	Multicomponent and One-pot Syntheses of Quinoxalines. 2021 , 363, 980-1006	13
64	Microwave assisted organic syntheses (MAOS): The green synthetic method. 2021 , 491-542	1
63	Photocatalytic three-component radical cascade: a general route to heterocyclic-substituted alkyl sulfones. 2021 , 8, 5316-5321	7
62	One-pot four-component synthesis of methyl 4-(4-chlorophenyl)-5,7-dioxo-1-phenyl-1,4,5,6,7,8-hexahydropyrazolo [4?,3?:5,6] pyrano [2,3-d] pyrimidine-3-carboxylate; a green approach. 2021 , 65, 152754	6
61	PPh3 Catalyzed Post-Transformation Ugi-4CR Intramolecular Cyclization Reaction: One-Pot Synthesis of Functionalized Spiropyrrolidinochromanones. 2021 , 6, 1216-1222	O
60	Synthesis and herbicidal and fungistatic evaluation of Passerini adducts bearing phenoxyacetic moieties. 2021 , 75, 3047-3059	0
59	Dihydropyrimidinones Scaffold as a Promising Nucleus for Synthetic Profile and Various Therapeutic Targets: A Review. 2021 , 18, 270-293	1

58	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. 2021 , 11, 4820	2
57	Dual Functional Pd-Catalyzed Multicomponent Reaction by Umpolung Chemistry of the Oxygen Atom in Electrophiles. 2021 , 86, 6847-6854	1
56	Iron-promoted sulfur sequestration for the substituent-dependent regioselective synthesis of tetrazoles and guanidines. 2021 , 42, 499-509	
55	Multicomponent Polymerization of Alkynes, Isocyanides, and Isocyanates toward Heterocyclic Polymers. 2021 , 54, 6753-6761	3
54	Iron-Catalyzed Synthesis of Pyrrole Derivatives and Related Five-Membered Azacycles. 2021 , 2021, 3837-384	9 3
53	Green Synthesis of New Category of Pyrano[3,2-c]Chromene-Diones Catalyzed by Nanocomposite as Fe3O4@SiO2-Propyl Covalented Dapsone-Copper Complex. 2021 , 9, 720555	
52	High-Throughput and Combinatorial Approaches for the Development of Multifunctional Polymers. 2021 , e2100400	3
51	Novel Pumice@SO3H catalyzed efficient synthesis of 2,4,5-triarylimidazoles and acridine-1,8-diones under microwave assisted solvent-free path. 2021 , 22, 100485	3
50	Anchoring of nickel (II) kojic acid in functionalized Si-MCM-41 matrix: a effective nanocatalyst for the catalytic clean synthesis of dihydropyrano[3,2-b]chromenediones. 1	2
49	Identifying tumor cell growth inhibitors by combinatorial chemistry and zebrafish assays. 2009, 4, e4361	23
48	Synthesis of Amidoalkyl Naphthols from Reaction of ENaphthol, Acetamide and Aromatic Aldehydes in the Presence of Potassium Hydrogen Sulfate. 2011 , 6, 464-466	2
47	Magnetic Nano Cobalt Ferrite Catalyzed Synthesis of 4 <i>H</i> -Pyrano[3,2- <i>h</i>]quinoline Derivatives under Microwave Irradiation. 2016 , 06, 101-109	16
46	An Efficient Synthesis of ⊞-Amino-Evalerolactones by the Ugi Five-Center Three-Component Reaction. 2002 , 23, 1277-1320	7
45	A Convenient One-Pot Biginelli Reaction Catalyzed by Y(OAc)3: An Improved Protocol for the Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones and Their Sulfur Analogues. 2010 , 31, 863-868	28
44	Silica Gel Promoted Mild, Efficient and Inexpensive Protocol for the Preparation of 3,4-dihydropyrano[c]chromenes. 2011 , 55, 662-665	15
43	Efficient Synthesis of Novel 3-Substituted Coumarin-3-carboxamide. 2014 , 58, 186-192	6
42	Assembly of polyfunctional arenes with three contiguous and different substituents by Pd-catalyzed four-component reactions. 2021 , 100615	
41	CHAPTER 17:Ionic Liquid Effect in Catalysed Multicomponent Reactions. 2019 , 377-392	

40	One-pot of Three-component Synthesis of Novel Biologically Important 5-Amino-1,3-diaryl-1H-pyrazole-4-carbonitriles Using L-Proline Catalyst and their Antimicrobial Activity. 2019 , 16, 922-930	
39	Synthesis of Novel bis-Spirooxindoles Using Triethylamine as a Homogeneous Base Catalyst under Mild Conditions. 2021 , 53, 25-33	
38	Green Chemistry Principles In Advancing Hierarchical Functionalization of Polymer-Based Nanomedicines. 2020 , 135-157	
37	Utilization of 1-phenylimidazo[1,5-a]quinoline as partner in 1,4-dipolar cycloaddition reactions. 2020 , 75, 259-267	1
36	The First Effort for the Preparation of Amidoalkyl Naphthoquinone Skeleton Based on Solvent-Free Multicomponent Reaction. 1-10	1
35	The one-pot synthesis of butyl-1H-indol-3-alkylcarboxylic acid derivatives in ionic liquid as potent dual-acting agent for management of BPH. 2020 , 205, 112616	O
34	Enamines and their variants as intermediates for synthesis of aza-heterocycles with applications in MCRs. 2022 , 103, 132545	4
33	Sequential Knoevenagel [4+1] Cycloaddition-Condensation-Aza-Friedel-Crafts Intramolecular Cyclization: A 4-Center-3-Component Reaction Toward Tunable Fluorescent Indolizine Tetracycles. 2021 ,	3
32	Structural and physical characterizations of an organic Dispiro-Oxindolopyrrolidines single crystal for magnetic applications. 2021 , 1251, 131869	
31	Palladium-catalyzed post-Ugi arylative dearomatization/Michael addition cascade towards plicamine analogues. 2021 , 19, 9752-9757	1
30	Synthesis of quinazolinone and quinazoline derivatives using green chemistry approach. 2022,	
29	Green and four-component cyclocondensation synthesis and in silico docking of new polyfunctionalized pyrrole derivatives as the potential anticholinesterase agents 2022 , 1	
28	Tuneable N -Substituted Polyamides with High Biomass Content via Ugi 4 Component Polymerization. 2100408	1
27	Proceedings of the 2nd International Conference on Multi-Component Reactions, Combinatorial and Related Chemistry, Genoa, 14-16 April 2003. 2003 , 6, 169-70	
26	Solvent-Free Synthesis of Glycoside Annulated 1,2,3-Triazole Based Dihydropyrimidinones using Copper Ferrite Nanomaterials as Heterogeneous Catalyst and DFT Studies. 2022 , 7,	2
25	Multicomponent Reactions as Synthetic Design Tools of AIE and Emission Solvatochromic Quinoxalines. 2022 , 455-484	
24	Study and application of graphene oxide in the synthesis of 2,3-disubstituted quinolines via a Povarov multicomponent reaction and subsequent oxidation. 2022 , 12, 15834-15847	1
23	Sustainable Synthesis of Pseudopeptides via Isocyanide-Based Multicomponent Reactions in Water.	4

22	Three Component Synthesis of EAminoxy Amides.	0
21	Oxazole and isoxazole: From one-pot synthesis to medical applications. 2022 , 132813	2
20	Synthesis, crystal structure, Hirshfeld surface, computational and antibacterial studies of a 9-phenanthrenecarboxaldehyde-based thiodihydropyrimidine derivative. 2022 , 133571	0
19	Efficient and Recoverable Bio-Organic Catalyst Cysteine for Synthesis, Docking Study, and Antifungal Activity of New Bio-Active 3,4-Dihydropyrimidin-2(1H)-ones/thiones Under Microwave Irradiation.	4
18	One-pot three-component synthesis of novel phenyl-pyrano-thiazol-2-one derivatives and their anti-diabetic activity studies. 2022 , 4, 100439	3
17	Piperidine-lodine as Efficient Dual Catalyst for the One-Pot, Three-Component Synthesis of Coumarin-3-Carboxamides. 2022 , 27, 4659	0
16	Copper-Catalyzed One-Step Formation of Four CN Bonds toward Polyfunctionalized Triazoles via Multicomponent Reaction. 2022 , 24, 6006-6012	1
15	CuFe2O4/KCC-1/PMA as an efficient and recyclable nanocatalyst for the synthesis of amidoalkyl derivatives under solvent-free condition. 2022 , 122530	O
14	Recent Advances in Multicomponent Reaction Through C?H Bond Functionalization. 1-25	0
13	Catalytic Stereoselective Multicomponent Reactions for the Synthesis of Spiro Derivatives: Recent Progress.	O
12	Trimesic acid-modified magnetic gum as a highly efficient and recyclable biocatalyst for the one-pot green synthesis of condensation reactions. 2023 , 227, 685-697	O
11	The investigation of substituent effect in the structure of copolymer as the protecting cover of magnetic nanocomposite on its catalytic activity.	O
10	An Efficient Combinatorial Synthesis of Novel Thiazolidinone-bis Schiff Base Hybrids Using One-Pot Multicomponent Reaction.	0
9	Nickel-Catalyzed Multicomponent Reactions: An Overview. 2022 , 7,	1
8	Green synthesis and application of spiro[indoline-3,4?-pyrano[2,3-c]pyrazoles] as selective Hg (II) fluorescence sensor.	0
7	Five-membered O,N-heterocycles. 2023 , 317-361	O
6	Luminescent furo[2,3-c]isoquinolines as fluorophores - Tuning the luminophore by donor substitution. 2023 , 214, 111190	0
5	Efficacy of Binary Media and Gold Catalyst for the Synthesis of a Conjugates with Cyclohexyl-Tetrazole-Alkyloxyphenyl-Benzenamine through Ugi 4-CC Reactions: Cytotoxic and Single-Crystal Studies. 1-15	0

Synthesis of the 1,5-Benzothiazepane Scaffold (Established Methods and New Developments.

Synthesis of oxocines. 2023, 401-431

Cross- and Multi-Coupling Reactions Using Monofluoroalkanes.

Heterogenization of molybdenum complexes: techniques and catalytic applications. 2023, 119227

Heterogenization of molybdenum complexes: techniques and catalytic applications. 2023, 119227