

Ayman El-Faham

List of Publications by Year in descending order

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252
papers

7,778
citations

76326

40
h-index

66911

78
g-index

272
all docs

272
docs citations

272
times ranked

6270
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptide Coupling Reagents, More than a Letter Soup. Chemical Reviews, 2011, 111, 6557-6602.	47.7	922
2	Advantageous applications of azabenzotriazole (triazolopyridine)-based coupling reagents to solid-phase peptide synthesis. Journal of the Chemical Society Chemical Communications, 1994, , 201.	2.0	329
3	Oxyma: An Efficient Additive for Peptide Synthesis to Replace the Benzotriazole-Based HOBt and HOAt with a Lower Risk of Explosion ^[1] . Chemistry - A European Journal, 2009, 15, 9394-9403.	3.3	326
4	COMU: A Safer and More Effective Replacement for Benzotriazole-Based Uronium Coupling Reagents. Chemistry - A European Journal, 2009, 15, 9404-9416.	3.3	260
5	Tetramethylfluoroformamidinium Hexafluorophosphate: A Rapid-Acting Peptide Coupling Reagent for Solution and Solid Phase Peptide Synthesis. Journal of the American Chemical Society, 1995, 117, 5401-5402.	13.7	256
6	Use of Onium Salt-Based Coupling Reagents in Peptide Synthesis1. Journal of Organic Chemistry, 1998, 63, 9678-9683.	3.2	245
7	Racemization studies during solid-phase peptide synthesis using azabenzotriazole-based coupling reagents. Tetrahedron Letters, 1994, 35, 2279-2282.	1.4	199
8	The Uronium/Guanidinium Peptide Coupling Reagents: Finally the True Uronium Salts. Angewandte Chemie - International Edition, 2002, 41, 441-445.	13.8	194
9	Efficiency in Peptide Coupling: 1-Hydroxy-7-azabenzotriazole vs 3,4-Dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine. Journal of Organic Chemistry, 1995, 60, 3561-3564.	3.2	192
10	Effect of Tertiary Bases on O-Benzotriazolyluronium Salt-Induced Peptide Segment Coupling. Journal of Organic Chemistry, 1994, 59, 695-698.	3.2	162
11	Stepwise Automated Solid Phase Synthesis of Naturally Occurring Peptaibols Using Fmoc Amino Acid Fluorides. Journal of Organic Chemistry, 1995, 60, 405-410.	3.2	127
12	The diisopropylcarbodiimide/ 1-hydroxy-7-azabenzotriazole system: Segment coupling and stepwise peptide assembly. Tetrahedron, 1999, 55, 6813-6830.	1.9	126
13	Choosing the Right Coupling Reagent for Peptides: A Twenty-Five-Year Journey. Organic Process Research and Development, 2018, 22, 760-772.	2.7	108
14	Recent development in peptide coupling reagents. Journal of Saudi Chemical Society, 2012, 16, 97-116.	5.2	101
15	COMU: A third generation of uronium-type coupling reagents. Journal of Peptide Science, 2010, 16, 6-9.	1.4	97
16	Peptide Coupling in the Presence of Highly Hindered Tertiary Amines. Journal of Organic Chemistry, 1996, 61, 2460-2465.	3.2	89
17	Green Solid-Phase Peptide Synthesis 2. 2-Methyltetrahydrofuran and Ethyl Acetate for Solid-Phase Peptide Synthesis under Green Conditions. ACS Sustainable Chemistry and Engineering, 2016, 4, 6809-6814.	6.7	85
18	Synthesis and Biological Evaluation of a Teixobactin Analogue. Organic Letters, 2015, 17, 6182-6185.	4.6	77

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19	Aspartimide formation in peptide chemistry: occurrence, prevention strategies and the role of N-hydroxylamines. Tetrahedron, 2011, 67, 8595-8606.	1.9	76
20	The 1,1-Dioxobenzo[b]thiophene-2-ylmethyloxycarbonyl (Bsmoc)â€Amino-Protecting Group. Journal of Organic Chemistry, 1999, 64, 4324-4338.	3.2	73
21	Peptide synthesis beyond DMF: THF and ACN as excellent and friendlier alternatives. Organic and Biomolecular Chemistry, 2015, 13, 2393-2398.	2.8	69
22	2-Methyltetrahydrofuran and cyclopentyl methyl ether for green solid-phase peptide synthesis. Amino Acids, 2016, 48, 419-426.	2.7	69
23	Green Transformation of Solid-Phase Peptide Synthesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 3671-3683.	6.7	67
24	Morpholine-Based Immonium and Halogenoamidinium Salts as Coupling Reagents in Peptide Synthesis¹. Journal of Organic Chemistry, 2008, 73, 2731-2737.	3.2	61
25	Green solid-phase peptide synthesis 4. Î³-Valerolactone and N -formylmorpholine as green solvents for solid phase peptide synthesis. Tetrahedron Letters, 2017, 58, 2986-2988.	1.4	61
26	Exploring new selective 3-benzylquinoxaline-based MAO-A inhibitors: Design, synthesis, biological evaluation and docking studies. European Journal of Medicinal Chemistry, 2015, 93, 308-320.	5.5	59
27	Wound healing of different molecular weight of hyaluronan; in-vivo study. International Journal of Biological Macromolecules, 2016, 89, 582-591.	7.5	56
28	Design and synthesis of new s-triazine polymers and their application as nanoparticulate drug delivery systems. New Journal of Chemistry, 2016, 40, 9565-9578.	2.8	56
29	The Solid State and Solution Structure of HAPyUâ€€,â€€,â€€. Journal of Organic Chemistry, 2001, 66, 5245-5247.	3.2	52
30	Green Solid-Phase Peptide Synthesis (GSPPS) 3. Green Solvents for Fmoc Removal in Peptide Chemistry. Organic Process Research and Development, 2017, 21, 365-369.	2.7	52
31	Lysine Scanning of Arg₁₀â€€Teixobactin: Deciphering the Role of Hydrophobic and Hydrophilic Residues. ACS Omega, 2016, 1, 1262-1265.	3.5	51
32	New Family of Base- and Nucleophile-Sensitive Amino-Protecting Groups. A Michael-Acceptor-Based Deblocking Process. Practical Utilization of the 1,1-Dioxobenzo[b]thiophene-2-ylmethyloxycarbonyl (Bsmoc)â€€Group. Journal of the American Chemical Society, 1997, 119, 9915-9916.	13.7	48
33	Comparison of the Effects of 5- and 6-HOAt on Model Peptide Coupling Reactions Relative to the Cases for the 4- and 7-Isomers,. Organic Letters, 2000, 2, 2253-2256.	4.6	48
34	Microwave irradiation and COMU: a potent combination for solid-phase peptide synthesis. Tetrahedron Letters, 2009, 50, 6200-6202.	1.4	48
35	Novel pyrazolyl-s-triazine derivatives, molecular structure and antimicrobial activity. Journal of Molecular Structure, 2017, 1145, 244-253.	3.6	45
36	Bis(BOC) amino acid fluorides as reactive peptide coupling reagents. Journal of Organic Chemistry, 1993, 58, 4162-4164.	3.2	43

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37	Enhancing the Antifungal Activity of Griseofulvin by Incorporation a Green Biopolymer-Based Nanocomposite. <i>Polymers</i> , 2021, 13, 542.	4.5	43
38	Protected amino acid chlorides vs protected amino acid fluorides: Reactivity comparisons. <i>Tetrahedron Letters</i> , 1998, 39, 241-244.	1.4	42
39	Converting Teixobactin into a Cationic Antimicrobial Peptide (AMP). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7476-7482.	6.4	42
40	Evaluation of clay-ionene nanocomposite carriers for controlled drug delivery: Synthesis, in vitro drug release, and kinetics. <i>Materials Chemistry and Physics</i> , 2019, 225, 122-132.	4.0	42
41	PyOxP and PyOxB: the Oxyma-based novel family of phosphonium salts. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3665.	2.8	41
42	Ultrasonic promoted synthesis of novel s -triazine-Schiff base derivatives; molecular structure, spectroscopic studies and their preliminary anti-proliferative activities. <i>Journal of Molecular Structure</i> , 2016, 1125, 121-135.	3.6	41
43	<i>N</i> -methylation in amino acids and peptides: Scope and limitations. <i>Biopolymers</i> , 2018, 109, e23110.	2.4	41
44	Teixobactin as a scaffold for unlimited new antimicrobial peptides: SAR study. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2788-2796.	3.0	40
45	Bis(tetramethylene)fluoroformamidinium Hexafluorophosphate(BTFFH): A Convenient Coupling Reagent for Solid Phase Peptide Synthesis. <i>Chemistry Letters</i> , 1998, 27, 671-672.	1.3	39
46	Novel Proton Acceptor Immonium-Type Coupling Reagents: Application in Solution and Solid-Phase Peptide Synthesis. <i>Organic Letters</i> , 2007, 9, 4475-4477.	4.6	39
47	Organophosphorus and Nitro-Substituted Sulfonate Esters of 1-Hydroxy-7-azabenzotriazole as Highly Efficient Fast-Acting Peptide Coupling Reagents. <i>Journal of Organic Chemistry</i> , 2004, 69, 62-71.	3.2	38
48	Use of Oxyma as pH modulatory agent to be used in the prevention of base-driven side reactions and its effect on 2-chlorotrityl chloride resin. <i>Biopolymers</i> , 2012, 98, 89-97.	2.4	38
49	Design and synthesis of mono-and di-pyrazolyl-s-triazine derivatives, their anticancer profile in human cancer cell lines, and in vivo toxicity in zebrafish embryos. <i>Bioorganic Chemistry</i> , 2019, 87, 457-464.	4.1	37
50	Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. <i>Pharmaceutics</i> , 2019, 11, 386.	4.5	35
51	Substituted Guanidines: Introducing Diversity in Combinatorial Chemistry. <i>Organic Letters</i> , 2000, 2, 3539-3542.	4.6	34
52	Re-evaluation of the N-terminal substitution and the D-residues of teixobactin. <i>RSC Advances</i> , 2016, 6, 73827-73829.	3.6	34
53	Greening the Solid-Phase Peptide Synthesis Process. 2-MeTHF for the Incorporation of the First Amino Acid and Precipitation of Peptides after Global Deprotection. <i>Organic Process Research and Development</i> , 2018, 22, 1809-1816.	2.7	33
54	A Novel Family of Onium Salts Based Upon Isonitroso Meldrum's Acid Proves Useful as Peptide Coupling Reagents. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3641-3649.	2.4	32

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55	s-Triazine: A Privileged Structure for Drug Discovery and Bioconjugation. <i>Molecules</i> , 2021, 26, 864.	3.8	31
56	Exploring the Orthogonal Chemoselectivity of 2,4,6-Trichloro-1,3,5-Triazine (TCT) as a Trifunctional Linker With Different Nucleophiles: Rules of the Game. <i>Frontiers in Chemistry</i> , 2018, 6, 516.	3.6	30
57	Complex Polyfluoride Additives in Fmoc-Amino Acid Fluoride Coupling Processes. Enhanced Reactivity and Avoidance of Stereomutation. <i>Organic Letters</i> , 2003, 5, 975-977.	4.6	29
58	K ⁺ Oxyma: a Strong Acylation-Promoting, 2 ⁺ CTC Resin-Friendly Coupling Additive. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6372-6378.	2.4	29
59	Oxyma-B, an excellent racemization suppressor for peptide synthesis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8379-8385.	2.8	28
60	Synthesis, characterization and evaluation of 1,3,5-triazine aminobenzoic acid derivatives for their antimicrobial activity. <i>Chemistry Central Journal</i> , 2017, 11, 39.	2.6	28
61	Synthesis, structure and biological activity of zinc(II) pincer complexes with 2,4-bis(3,5-dimethyl-1H-pyrazol-1-yl)-6-methoxy-1,3,5-triazine. <i>Inorganica Chimica Acta</i> , 2020, 508, 119627.	2.4	28
62	3-Hydroxy-4-oxo-3,4-dihydro-5-azabenzotriazene. <i>Journal of Organic Chemistry</i> , 2004, 69, 54-61.	3.2	27
63	Synthesis and Application of <i>N</i> -Hydroxylamine Derivatives as Potential Replacements for HOBt. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1499-1501.	2.4	27
64	sym-Trisubstituted 1,3,5-Triazine Derivatives as Promising Organic Corrosion Inhibitors for Steel in Acidic Solution. <i>Molecules</i> , 2016, 21, 436.	3.8	27
65	Eco-friendly method for silver nanoparticles immobilized decorated silica: Synthesis & characterization and preliminary antibacterial activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 324-331.	5.3	26
66	Peptide assembly in the absence of base via Fmoc amino acid fluorides. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 669.	2.0	25
67	NEW SYNTHESSES OF <i>bis</i> (TETRAMETHYLENE)FLUOROFORMAMIDINIUM HEXAFLUOROPHOSPHATE (<i>BTFFH</i>) AND 1,3-DIMETHYL-2-FLUORO-4,5-DIHYDRO-1H-IMIDAZOLIUM HEXAFLUOROPHOSPHATE (<i>DFIH</i>). UTILITY IN PEPTIDE COUPLING REACTIONS. <i>Organic Preparations and Procedures International</i> , 1998, 30, 477-481.	1.3	25
68	1-Hydroxybenzotriazole (HOBt) acidity, formation constant with different metals and thermodynamic parameters: Synthesis and characterization of some HOBt metal complexes – Crystal structures of two polymers: [Cu ₂ (H ₂ O) ₅ (OBt) ₂ ($\frac{1}{4}$ -OBt) ₂ ·2H ₂ O·EtOH] (1A) and [Cu($\frac{1}{4}$ -OBt)(HOBt)(OBt)(EtOH)] (1B). <i>Inorganica Chimica Acta</i> , 2009, 362, 3526-3540.	2.4	25
69	Synthesis and evaluation of quinazoline amino acid derivatives as mono amine oxidase (MAO) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3574-3585.	3.0	25
70	Synthesis and Preliminary Biological Evaluation of 1,3,5-Triazine Amino Acid Derivatives to Study Their MAO Inhibitors. <i>Molecules</i> , 2015, 20, 15976-15988.	3.8	24
71	Silver-embedded epoxy nanocomposites as organic coatings for steel. <i>Progress in Organic Coatings</i> , 2018, 123, 209-222.	3.9	24
72	Addition of HOAt dramatically improves the effectiveness of pentafluorophenyl-based coupling reagents. <i>Tetrahedron Letters</i> , 1999, 40, 2045-2048.	1.4	23

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73	Design and Synthesis of New Immonium-Type Coupling Reagents. European Journal of Organic Chemistry, 2006, 2006, 1563-1573.	2.4	23
74	Hydrazino-methoxy-1,3,5-triazine Derivatives ^{â€™} Excellent Corrosion Organic Inhibitors of Steel in Acidic Chloride Solution. Molecules, 2016, 21, 714.	3.8	23
75	1,3,5-â€™Triazino Peptide Derivatives: Synthesis, Characterization, and Preliminary Antileishmanial Activity. ChemMedChem, 2018, 13, 725-735.	3.2	23
76	One pot synthesis of two Mn(II) perchlorate complexes with s -triazine NNN -pincer ligand; molecular structure, Hirshfeld analysis and DFT studies. Journal of Molecular Structure, 2018, 1164, 344-353.	3.6	23
77	<i>s</i>-triazine pincer ligands: Synthesis of their metal complexes, coordination behavior, and applications. Applied Organometallic Chemistry, 2021, 35, e6317.	3.5	23
78	EDC ^Â -HCl and Potassium Salts of Oxyma and Oxyma ^{â€š} as Superior Coupling Cocktails for Peptide Synthesis. European Journal of Organic Chemistry, 2015, 2015, 3116-3120.	2.4	22
79	Synthesis and characterization of novel dimeric<i>s</i>-triazine derivatives as potential anti-bacterial agents against MDR clinical isolates. New Journal of Chemistry, 2018, 42, 10676-10688.	2.8	22
80	Synthesis, characterization, and structural studies of two heteroleptic Mn(II) complexes with tridentate <i>N,N,N</i>-pincer type ligand. Journal of Coordination Chemistry, 2018, 71, 2373-2388.	2.2	22
81	Bis-pyrazolyl-s-triazine Ni(II) pincer complexes as selective gram positive antibacterial agents; synthesis, structural and antimicrobial studies. Journal of Molecular Structure, 2019, 1195, 315-322.	3.6	22
82	Utilization of N,N,N ^{â€²} ,N ^{â€²} -Tetramethylfluoroformamidinium Hexafluoro ^Â phosphate (TFFH) in Peptide and Organic Synthesis. Synlett, 2009, 2009, 886-904.	1.8	21
83	Synthesis, Characterization, and Anti-Cancer Activity of Some New N ^{â€²} -(2-Oxoindolin-3-ylidene)-2-propylpentane hydrazide-hydrazones Derivatives. Molecules, 2015, 20, 14638-14655.	3.8	21
84	Two heptacoordinated manganese(II) complexes of giant pentadentate s -triazine bis -Schiff base ligand: Synthesis, crystal structure, biological and DFT studies. Inorganica Chimica Acta, 2018, 479, 275-285.	2.4	21
85	Modified triazine decorated with Fe 3 O 4 and Ag/Ag 2 O nanoparticles for self-healing of steel epoxy coatings in seawater. Progress in Organic Coatings, 2018, 121, 247-262.	3.9	21
86	Barbiturate- and Thiobarbiturate-Based <i>s</i>-Triazine Hydrazone Derivatives with Promising Antiproliferative Activities. ACS Omega, 2020, 5, 15805-15811.	3.5	21
87	OxymaPure/DIC: An Efficient Reagent for the Synthesis of a Novel Series of 4-[2-(2-Acetylaminophenyl)-2-oxo-acetyl-amino] Benzoyl Amino Acid Ester Derivatives. Molecules, 2013, 18, 14747-14759.	3.8	20
88	Microwave Synthesis, Characterization, and Antimicrobial Activity of Some Novel Isatin Derivatives. Journal of Chemistry, 2015, 2015, 1-8.	1.9	20
89	Investigation of the N-Terminus Amino Function of Arg10-Teixobactin. Molecules, 2017, 22, 1632.	3.8	20
90	Chloroformamidinium salts: Efficient reagents for preparation of 2-aminobenzoimidazole, 2-aminobenzoxazole, and 2-aminobenzothiazole derivatives. Journal of Heterocyclic Chemistry, 2006, 43, 599-606.	2.6	19

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91	Synthesis, structural and biological studies of two new Co(III) complexes with tridentate hydrazone ligand derived from the antihypertensive drug hydralazine. <i>Inorganica Chimica Acta</i> , 2017, 466, 16-29.	2.4	19
92	β-Valerolactone (GVL): An eco-friendly anchoring solvent for solid-phase peptide synthesis. <i>Tetrahedron Letters</i> , 2019, 60, 151058.	1.4	19
93	Synthesis, Molecular and Supramolecular Structures of New Cd(II) Pincer-Type Complexes with s-TriazineCore Ligand. <i>Crystals</i> , 2019, 9, 226.	2.2	19
94	Synthesis, X-ray structure, and DFT studies of five- and eight-coordinated Cd(II) complexes with s-triazine N-pincer chelate. <i>Journal of Coordination Chemistry</i> , 2019, 72, 1621-1636.	2.2	19
95	Multi-Functional Cardanol Triazine Schiff Base Polyimine Additives for Self-Healing and Super-Hydrophobic Epoxy of Steel Coating. <i>Coatings</i> , 2020, 10, 327.	2.6	19
96	Reaction of phthalaldehydic acid with different substituted aniline as well as hydrazine derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 617-626.	2.6	18
97	Dicyclopropylmethyl Peptide Backbone Protectant. <i>Organic Letters</i> , 2009, 11, 3718-3721.	4.6	18
98	Microwave irradiation: A facile, scalable and convenient method for synthesis of N-phthaloylamino acids. <i>Arabian Journal of Chemistry</i> , 2012, 5, 285-289.	4.9	18
99	Study of antileishmanial activity of 2-aminobenzoyl amino acid hydrazides and their quinazoline derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 918-921.	2.2	18
100	Re-evaluating the stability of COMU in different solvents. <i>Journal of Peptide Science</i> , 2017, 23, 763-768.	1.4	18
101	Synthesis, crystal structure, evaluation of urease inhibition potential and the docking studies of cobalt(III) complex based on barbituric acid Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2020, 503, 119405.	2.4	18
102	Facile method for the synthesis of silver nanoparticles using 3-hydrazino-isatin derivatives in aqueous methanol and their antibacterial activity. <i>International Journal of Nanomedicine</i> , 2014, 9, 1167.	6.7	17
103	Di- and tri-substituted s-triazine derivatives: Synthesis, characterization, anticancer activity in human breast-cancer cell lines, and developmental toxicity in zebrafish embryos. <i>Bioorganic Chemistry</i> , 2020, 94, 103397.	4.1	17
104	Syntheses, structure, Hirshfeld analysis and antimicrobial activity of four new Co(II) complexes with s-triazine-based pincer ligand. <i>Inorganica Chimica Acta</i> , 2020, 510, 119753.	2.4	17
105	Synthesis and characterisation of thiobarbituric acid enamine derivatives, and evaluation of their α-glucosidase inhibitory and anti-glycation activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 692-701.	5.2	17
106	Oxime Carbonates: Novel Reagents for the Introduction of Fmoc and Alloc Protecting Groups, Free of Side Reactions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3275-3280.	2.4	16
107	1,3,5-Triazine-based polymer: synthesis, characterization and application for immobilization of silver nanoparticles. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	16
108	Synthesis, X-Ray Crystal Structures, and Preliminary Antiproliferative Activities of New s-Triazine-hydroxybenzylidene Hydrazone Derivatives. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	1.9	16

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109	Synthesis and Antimicrobial Activity of a New Series of Thiazolidine-2,4-diones Carboxamide and Amino Acid Derivatives. <i>Molecules</i> , 2020, 25, 105.	3.8	16
110	Understanding Tetrahydropyranyl as a Protecting Group in Peptide Chemistry. <i>ChemistryOpen</i> , 2017, 6, 168-177.	1.9	15
111	Synthesis and structure diversity of high coordination number Cd(II) complexes of large s-triazine bis-Schiff base pincer chelate. <i>Inorganica Chimica Acta</i> , 2019, 488, 131-140.	2.4	15
112	Novel one-dimensional polymeric Cu(II) complexes via Cu(II)-assisted hydrolysis of the 2,4-bis(3,5-dimethyl-1H-pyrazol-1-yl)-6-methoxy-1,3,5-triazine pincer ligand: Synthesis, structure, and antimicrobial activities. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5941.	2.8	15
113	Preparation and Characterization of Nanofibrous Scaffolds of Ag/Vanadate Hydroxyapatite Encapsulated into Polycaprolactone: Morphology, Mechanical, and In Vitro Cells Adhesion. <i>Polymers</i> , 2021, 13, 1327.	4.5	15
114	Screening of <i>N</i> -Alkyl-Cyanoacetamido Oximes as Substitutes for <i>N</i> -Hydroxysuccinimide. <i>ChemistryOpen</i> , 2012, 1, 147-152.	1.9	14
115	Microwave-assisted synthesis, structural elucidation and biological assessment of 2-(2-acetamidophenyl)-2-oxo-N phenyl acetamide and N-(2-(2-oxo-2(phenylamino)acetyl)phenyl)propionamide derivatives. <i>Journal of Molecular Structure</i> , 2012, 1013, 163-167.	3.6	14
116	Production and physicochemical assessment of new stevia amino acid sweeteners from the natural stevioside. <i>Food Chemistry</i> , 2015, 173, 979-985.	8.2	14
117	Solid-phase synthesis of homodetic cyclic peptides from Fmoc-MeDbz-resin. <i>Tetrahedron Letters</i> , 2018, 59, 1779-1782.	1.4	14
118	Amide Formation: Choosing the Safer Carbodiimide in Combination with OxymaPure to Avoid HCN Release. <i>Organic Letters</i> , 2021, 23, 6900-6904.	4.6	14
119	Biological Screening of Novel Derivatives of Valproic Acid for Anticancer and Antiangiogenic Properties. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 7785-7792.	1.2	14
120	Synthesis and Antiproliferative Activity of a New Series of Mono- and Bis(dimethylpyrazolyl)-triazine Derivatives Targeting EGFR/PI3K/AKT/mTOR Signaling Cascades. <i>ACS Omega</i> , 2022, 7, 24858-24870.	3.5	14
121	Synthesis of Some Pyridazinylacetic Acid Derivatives as a Novel Class of Monoamine Oxidase-A Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1717-1721.	1.3	13
122	±-Ketoamino acid ester derivatives as promising MAO inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 70-74.	2.2	13
123	One pot synthesis, molecular structure and spectroscopic studies (X-ray, IR, NMR, UV-Vis) of novel 2-(4,6-dimethoxy-1,3,5-triazin-2-yl) amino acid ester derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 184-198.	3.9	13
124	Synthesis of Novel Class of <i>N</i> -Alkyl-isatin-3-iminobenzoic Acid Derivatives and Their Biological Activity in Zebrafish Embryos and Human Cancer Cell Lines. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 350-359.	1.4	13
125	CHAPTER 18. Solid-Phase Peptide Synthesis, the State of the Art: Challenges and Opportunities. <i>RSC Drug Discovery Series</i> , 0, , 518-550.	0.3	13
126	Synthesis, Characterization and Anti-proliferation Activities of Novel Cyano Oximino Sulfonate Esters. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 373-378.	1.3	12

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127	Molecular structure and DFT investigations on new cobalt(II) chloride complex with superbase guanidine type ligand. Journal of Chemical Sciences, 2015, 127, 2137-2149.	1.5	12
128	Ultrasonic Irradiation: Synthesis, Characterization, and Preliminary Antimicrobial Activity of Novel Series of 4,6-Disubstituted-1,3,5-triazine Containing Hydrazone Derivatives. Journal of Chemistry, 2016, 2016, 1-9.	1.9	12
129	Exploiting the Thiobarbituric Acid Scaffold for Antibacterial Activity. ChemMedChem, 2018, 13, 1923-1930.	3.2	12
130	Synthesis, characterization, thermal stability and kinetics of thermal degradation of novel polymers based-s-triazine Schiff base. Journal of Polymer Research, 2020, 27, 1.	2.4	12
131	Straightforward Regio- and Diastereoselective Synthesis, Molecular Structure, Intermolecular Interactions and Mechanistic Study of Spirooxindole-Engrafted Rhodanine Analogs. Molecules, 2021, 26, 7276.	3.8	12
132	A versatile synthetic route to chiral quinoxaline derivatives from amino acids precursors. International Journal of Peptide Research and Therapeutics, 2002, 9, 49-54.	0.1	11
133	A NOVEL AND DIRECT METHOD FOR THE PREPARATION OF 4-AMINO-1,1,3,3-TETRASUBSTITUTED GUANIDINES AND OF [1,2,4]TRIAZOLO-FUSED HETEROCYCLIC DERIVATIVES. Organic Preparations and Procedures International, 2004, 36, 121-127.	1.3	11
134	Use of N-Methylpiperazine for the Preparation of Piperazine-Based Unsymmetrical Bis-Ureas as Anti-HIV Agents. ChemMedChem, 2008, 3, 1034-1037.	3.2	11
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