Sumbal Saba

List of Publications by Year
in descending order

50 papers	1,833 citations	186265 28 h-index	265206 42 g-index
59 all docs	59 docs citations	59 times ranked	1359 citing authors

#	Article	IF	Citations
1	IP-Se-06, a Selenylated Imidazo[1,2-a]pyridine, Modulates Intracellular Redox State and Causes Akt/mTOR/HIF-1Î± and MAPK Signaling Inhibition, Promoting Antiproliferative Effect and Apoptosis in Glioblastoma Cells. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-18.	4.0	15
2	Synthesis of cholesterol containing unsymmetrical dimers: a new series of liquid crystals. Liquid Crystals, 2022, 49, 758-768.	2.2	6
3	Versatile Electrochemical Synthesis of Selenylbenzo[b]Furan Derivatives Through the Cyclization of 2-Alkynylphenols. Frontiers in Chemistry, 2022, 10, .	3.6	16
4	Advances in photochemical seleno-functionalization of (hetero)arenes. , 2022, , 123-145.		0
5	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. Neurochemical Research, 2021, 46, 120-130.	3.3	35
6	Apoptosis oxidative damageâ€mediated and antiproliferative effect of selenylated imidazo[1,2â€a]pyridines on hepatocellular carcinoma HepG2 cells and in vivo. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22663.	3.0	23
7	A selanylimidazopyridine (3-SePh-IP) reverses the prodepressant- and anxiogenic-like effects of a high-fat/high-fructose diet in mice. Journal of Pharmacy and Pharmacology, 2021, 73, 673-681.	2.4	25
8	KIO₄â€mediated Selective Hydroxymethylation/Methylenation of Imidazoâ€Heteroarenes: A Greener Approach. Angewandte Chemie, 2021, 133, 18602-18608.	2.0	6
9	Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. Molecules, 2021, 26, 4446.	3.8	17
10	KIO₄â€mediated Selective Hydroxymethylation/Methylenation of Imidazoâ€Heteroarenes: A Greener Approach. Angewandte Chemie - International Edition, 2021, 60, 18454-18460.	13.8	30
11	Antimicrobial and Antibiofilm Activities of 4,5-Dihydro-1H-pyrazole-1-carboximidamide Hydrochloride against Salmonella spp.. Journal of Chemistry, 2021, 2021, 1-9.	1.9	1
12	Alkyl 2-(2-(arylidene)alkylhydrazinyl)thiazole-4-carboxylates: Synthesis, acetyl cholinesterase inhibition and docking studies. Journal of Molecular Structure, 2021, 1245, 131063.	3.6	17
13	Photoinduced, Direct C(sp²)â^'H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosinâ€...Y. Chemistry - A European Journal, 2020, 26, 4461-4466.	3.3	35
14	Borophosphate glass as an active media for CuO nanoparticle growth: an efficient catalyst for selenylation of oxadiazoles and application in redox reactions. Scientific Reports, 2020, 10, 15233.	3.3	26
15	Synthesis of Novel Selenocyanates and Evaluation of Their Effect in Cultured Mouse Neurons Submitted to Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	4.0	20
16	Frontispiece: Photoinduced, Direct C(sp²)â^'H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosinâ€...Y. Chemistry - A European Journal, 2020, 26, .	3.3	2
17	Synthesis of 2,1,3-Benzoxadiazole Derivatives as New Fluorophoresâ€"Combined Experimental, Optical, Electro, and Theoretical Study. Frontiers in Chemistry, 2020, 8, 360.	3.6	10
18	Selenylated-oxadiazoles as promising DNA intercalators: Synthesis, electronic structure, DNA interaction and cleavage. Dyes and Pigments, 2020, 180, 108519.	3.7	26

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19	Electrochemical synthesis of selenyl-dihydrofurans via anodic selenofunctionalization of allyl-naphthol/phenol derivatives and their anti-Alzheimer activity. Organic and Biomolecular Chemistry, 2020, 18, 4916-4921.	2.8	56
20	Trihaloisocyanuric acids in ethanol: an eco-friendly system for the regioselective halogenation of imidazo-heteroarenes. Green Chemistry, 2020, 22, 3410-3415.	9.0	49
21	Electrochemical Oxidative C(sp²)â€“H Bond Selenylation of Activated Arenes. European Journal of Organic Chemistry, 2019, 2019, 6465-6469.	2.4	43
22	Aflatoxin M1 in human breast milk: A global systematic review, meta-analysis, and risk assessment study (Monte Carlo simulation). Trends in Food Science and Technology, 2019, 88, 333-342.	15.1	80
23	Rose Bengal catalysed photo-induced selenylation of indoles, imidazoles and arenes: a metal free approach. Organic and Biomolecular Chemistry, 2018, 16, 880-885.	2.8	105
24	Fe₃O₄ Nanoparticles: A Robust and Magnetically Recoverable Catalyst for Direct Câ€H Bond Selenylation and Sulfenylation of Benzothiazoles. ChemistrySelect, 2018, 3, 328-334.	1.5	37
25	New long-chain donor-acceptor-donor pyromellitic diimide (PMDI) derivatives. A combined theoretical and experimental study. Dyes and Pigments, 2018, 157, 143-150.	3.7	7
26	Direct, Metalâ€free C(sp²)â^'H Chalcogenation of Indoles and Imidazopyridines with Dichalcogenides Catalysed by KIO₃. Chemistry - A European Journal, 2018, 24, 4173-4180.	3.3	107
27	Copperâ€Catalyzed Threeâ€Component Reaction of Oxadiazoles, Elemental Se/S and Aryl Iodides: Synthesis of Chalcogenyl (Se/S)â€Oxadiazoles. ChemistrySelect, 2018, 3, 13191-13196.	1.5	35
28	NH4I-catalyzed chalcogen(S/Se)-functionalization of 5-membered N-heteroaryls under metal-free conditions. Tetrahedron, 2018, 74, 3971-3980.	1.9	53
29	Borophosphate glasses: Synthesis, characterization and application as catalyst for bis(indolyl)methanes synthesis under greener conditions. Journal of Non-Crystalline Solids, 2018, 498, 153-159.	3.1	37
30	KIO₃â€Catalyzed C(sp²)â€H Bond Selenylation/Sulfenylation of (Hetero)arenes: Synthesis of Chalcogenated (Hetero)arenes and their Evaluation for Antiâ€Alzheimer Activity. Asian Journal of Organic Chemistry, 2018, 7, 1819-1824.	2.7	54
31	Novel selenylated imidazo[1,2-a]pyridines for breast cancer chemotherapy: Inhibition of cell proliferation by Akt-mediated regulation, DNA cleavage and apoptosis. Biochemical and Biophysical Research Communications, 2018, 503, 1291-1297.	2.1	42
32	Ytterbium (III) triflate/Sodium Dodecyl Sulfate: A Versatile Recyclable and Waterâ€Tolerant Catalyst for the Synthesis of Bis(indolyl)methanes (BIMs). ChemistrySelect, 2018, 3, 6358-6363.	1.5	24
33	Synthesis of Bis(indolyl)methanes Using Fe3O4 Nanoparticle as a Robust, Efficient and Magnetically Recoverable Catalyst Under Solvent-Free Conditions. Revista Virtual De Quimica, 2018, 10, 1591-1606.	0.4	1
34	Metal- and Solvent-Free Approach to Access 3-Se/S-Chromones from the Cyclization of Enaminones in the Presence of Dichalcogenides Catalyzed by KIO₃. ACS Omega, 2017, 2, 2280-2290.	3.5	51
35	Solvent- and metal-free selective oxidation of thiols to disulfides using I2/DMSO catalytic system. Tetrahedron Letters, 2017, 58, 4713-4716.	1.4	46
36	Solventâ€and Metalâ€Free Chalcogenation of Bicyclic Arenes Using I₂/DMSO as Nonâ€Metallic Catalytic System. European Journal of Organic Chemistry, 2017, 2017, 4740-4748.	2.4	61

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37	Regioselective hydrothiolation of terminal acetylene catalyzed by magnetite (Fe₃O₄) nanoparticles. Synthetic Communications, 2017, 47, 291-298.	2.1	27
38	Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. Molecules, 2017, 22, 1367.	3.8	48
39	Spectral characterization and crystal structure of 2-amino-Nâ€²-[(1Z)-1-(4-chlorophenyl)ethylidene]-benzohydrazide. Journal of Saudi Chemical Society, 2016, 20, 40-44.	5.2	5
40	Antioxidant and Antiplasmodial Activities of Bergenin and 11-O-Galloylbergenin Isolated fromMallotus philippensis. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-6.	4.0	33
41	Synthesis and evaluation of dihydropyrimidinone-derived selenoesters as multi-targeted directed compounds against Alzheimerâ€™s disease. Bioorganic and Medicinal Chemistry, 2016, 24, 5762-5770.	3.0	60
42	Regioselective, Solventâ€•and Metalâ€Free Chalcogenation of Imidazo[1,2â€a]pyridines by Employing I₂/DMSO as the Catalytic Oxidation System. Chemistry - A European Journal, 2016, 22, 11854-11862.	3.3	156
43	DMSO/iodine-catalyzed oxidative Câ€“Se/Câ€“S bond formation: a regioselective synthesis of unsymmetrical chalcogenides with nitrogen- or oxygen-containing arenes. Catalysis Science and Technology, 2016, 6, 3087-3098.	4.1	76
44	Synthesis and Biological Evaluation of 2-Picolylamide-Based Diselenides with Non-Bonded Interactions. Molecules, 2015, 20, 10095-10109.	3.8	39
45	Synthesis of Functionalized Organoselenium Materials: Selenides and Diselenides Containing Cholesterol. European Journal of Organic Chemistry, 2015, 2015, 3470-3476.	2.4	39
46	Synthesis of Unsymmetrical Diorganyl Chalcogenides under Greener Conditions: Use of an Iodine/DMSO System, Solventâ€•and Metalâ€Free Approach. Advanced Synthesis and Catalysis, 2015, 357, 1446-1452.	4.3	72
47	Synthesis of new monodendrons, gallic acid derivatives, self- assembled in a columnar phase. Liquid Crystals, 2015, , 1-13.	2.2	3
48	Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. Current Organic Chemistry, 2015, 20, 166-188.	1.6	39
49	K₂CO₃-mediated, direct Câ€“H bond selenation and thiolation of 1,3,4-oxadiazoles in the absence of metal catalyst: an eco-friendly approach. RSC Advances, 2014, 4, 51648-51652.	3.6	36
50	(2-Aminophenyl)[(5S)-5-hydroxy-3,5-dimethyl-4,5-dihydro-1H-pyrazol-1-yl]methanone. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1834-o1835.	0.2	1