

# Associa€ProfªDr Jamal Rafique

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3513873/publications.pdf>

Version: 2024-02-01

59  
papers

2,078  
citations

172207

29  
h-index

243296

44  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regioselective, Solvent- and Metal-Free Chalcogenation of Imidazo[1,2-a]pyridines by Employing I <sub>2</sub> /DMSO as the Catalytic Oxidation System. Chemistry - A European Journal, 2016, 22, 11854-11862.	1.7	156
2	Direct, Metal-free C(sp <sup>2</sup> )-H Chalcogenation of Indoles and Imidazopyridines with Dichalcogenides Catalysed by KIO <sub>3</sub> . Chemistry - A European Journal, 2018, 24, 4173-4180.	1.7	107
3	Rose Bengal catalysed photo-induced selenylation of indoles, imidazoles and arenes: a metal free approach. Organic and Biomolecular Chemistry, 2018, 16, 880-885.	1.5	105
4	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.	7.8	80
5	DMSO/iodine-catalyzed oxidative C-Se/S bond formation: a regioselective synthesis of unsymmetrical chalcogenides with nitrogen- or oxygen-containing arenes. Catalysis Science and Technology, 2016, 6, 3087-3098.	2.1	76
6	Synthesis of Unsymmetrical Diorganyl Chalcogenides under Greener Conditions: Use of an Iodine/DMSO System, Solvent- and Metal-Free Approach. Advanced Synthesis and Catalysis, 2015, 357, 1446-1452.	2.1	72
7	Solvent- and Metal-Free Chalcogenation of Bicyclic Arenes Using I <sub>2</sub> /DMSO as Non-Metallic Catalytic System. European Journal of Organic Chemistry, 2017, 2017, 4740-4748.	1.2	61
8	Synthesis and evaluation of dihydropyrimidinone-derived selenoesters as multi-targeted directed compounds against Alzheimer's disease. Bioorganic and Medicinal Chemistry, 2016, 24, 5762-5770.	1.4	60
9	Synthesis and structural characterisation of the aggregates of benzo-1,2-chalcogenazole 2-oxides. Dalton Transactions, 2017, 46, 6570-6579.	1.6	60
10	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.	1.5	56
11	KIO <sub>3</sub> -Catalyzed C(sp <sup>2</sup> )-H Bond Selenylation/Sulfonylation of (Hetero)arenes: Synthesis of Chalcogenated (Hetero)arenes and their Evaluation for Anti-Alzheimer Activity. Asian Journal of Organic Chemistry, 2018, 7, 1819-1824.	1.3	54
12	NH <sub>4</sub> I-catalyzed chalcogen(S/Se)-functionalization of 5-membered N-heteroaryls under metal-free conditions. Tetrahedron, 2018, 74, 3971-3980.	1.0	53
13	Metal- and Solvent-Free Approach to Access 3-Se/S-Chromones from the Cyclization of Enaminones in the Presence of Dichalcogenides Catalyzed by KIO <sub>3</sub> . ACS Omega, 2017, 2, 2280-2290.	1.6	51
14	Synthesis of Selenium-Quinone Hybrid Compounds with Potential Antitumor Activity via Rh-Catalyzed C-H Bond Activation and Click Reactions. Molecules, 2018, 23, 83.	1.7	49
15	Trihaloisocyanuric acids in ethanol: an eco-friendly system for the regioselective halogenation of imidazo-heteroarenes. Green Chemistry, 2020, 22, 3410-3415.	4.6	49
16	Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. Molecules, 2017, 22, 1367.	1.7	48
17	Solvent- and metal-free selective oxidation of thiols to disulfides using I <sub>2</sub> /DMSO catalytic system. Tetrahedron Letters, 2017, 58, 4713-4716.	0.7	46
18	Electrochemical Oxidative C(sp <sup>2</sup> )-H Bond Selenylation of Activated Arenes. European Journal of Organic Chemistry, 2019, 2019, 6465-6469.	1.2	43

#	ARTICLE	IF	CITATIONS
19	Novel selenylated imidazo[1,2-a]pyridines for breast cancer chemotherapy: Inhibition of cell proliferation by Akt-mediated regulation, DNA cleavage and apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1291-1297.	1.0	42
20	Synthesis and Biological Evaluation of 2-Picolylamide-Based Diselenides with Non-Bonded Interactions. <i>Molecules</i> , 2015, 20, 10095-10109.	1.7	39
21	Synthesis of Functionalized Organoselenium Materials: Selenides and Diselenides Containing Cholesterol. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3470-3476.	1.2	39
22	Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. <i>Current Organic Chemistry</i> , 2015, 20, 166-188.	0.9	39
23	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles: A Robust and Magnetically Recoverable Catalyst for Direct C-H Bond Selenylation and Sulfenylation of Benzothiazoles. <i>ChemistrySelect</i> , 2018, 3, 328-334.	0.7	37
24	Borophosphate glasses: Synthesis, characterization and application as catalyst for bis(indolyl)methanes synthesis under greener conditions. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 153-159.	1.5	37
25	K <sub>2</sub> CO <sub>3</sub> -mediated, direct C-H bond selenation and thiolation of 1,3,4-oxadiazoles in the absence of metal catalyst: an eco-friendly approach. <i>RSC Advances</i> , 2014, 4, 51648-51652.	1.7	36
26	Copper-Catalyzed Three-Component Reaction of Oxadiazoles, Elemental Se/S and Aryl Iodides: Synthesis of Chalcogenyl (Se/S)-Oxadiazoles. <i>ChemistrySelect</i> , 2018, 3, 13191-13196.	0.7	35
27	Photoinduced, Direct C(sp <sup>2</sup> )-H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosin Y. <i>Chemistry - A European Journal</i> , 2020, 26, 4461-4466.	1.7	35
28	The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021, 46, 120-130.	1.6	35
29	Antioxidant and Antiplasmodial Activities of Bergenin and 11-O-Galloylbergenin Isolated from <i>Mallotus philippensis</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-6.	1.9	33
30	Light-Mediated Seleno-Functionalization of Organic Molecules: Recent Advances. <i>Chemical Record</i> , 2021, 21, 2739-2761.	2.9	33
31	KIO <sub>4</sub> -mediated Selective Hydroxymethylation/Methylenation of Imidazo-Heteroarenes: A Greener Approach. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18454-18460.	7.2	30
32	Regioselective hydrothiolation of terminal acetylene catalyzed by magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles. <i>Synthetic Communications</i> , 2017, 47, 291-298.	1.1	27
33	Rice straw ash extract, An efficient solvent for regioselective hydrothiolation of alkynes. <i>Environmental Chemistry Letters</i> , 2019, 17, 1441-1446.	8.3	27
34	Borophosphate glass as an active media for CuO nanoparticle growth: an efficient catalyst for selenylation of oxadiazoles and application in redox reactions. <i>Scientific Reports</i> , 2020, 10, 15233.	1.6	26
35	Selenylated-oxadiazoles as promising DNA intercalators: Synthesis, electronic structure, DNA interaction and cleavage. <i>Dyes and Pigments</i> , 2020, 180, 108519.	2.0	26
36	A selenylimidazopyridine (3-SePh-IP) reverses the prodepressant- and anxiogenic-like effects of a high-fat/high-fructose diet in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 673-681.	1.2	25

#	ARTICLE	IF	CITATIONS
37	Ytterbium (III) triflate/Sodium Dodecyl Sulfate: A Versatile Recyclable and Water-Tolerant Catalyst for the Synthesis of Bis(indolyl)methanes (BIMs). <i>ChemistrySelect</i> , 2018, 3, 6358-6363.	0.7	24
38	Apoptosis oxidative damage-mediated and antiproliferative effect of selenylated imidazo[1,2-a]pyridines on hepatocellular carcinoma HepG2 cells and in vivo. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22663.	1.4	23
39	Antiplasmodial Isoflavanones from the Roots of <i>Sophora mollis</i> . <i>Journal of Natural Products</i> , 2009, 72, 1265-1268.	1.5	22
40	Solvent-Free Fmoc Protection of Amines Under Microwave Irradiation. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 746-749.	1.3	20
41	Synthesis of Novel Selenocyanates and Evaluation of Their Effect in Cultured Mouse Neurons Submitted to Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	20
42	Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. <i>Molecules</i> , 2021, 26, 4446.	1.7	17
43	Alkyl 2-(2-(arylidene)alkylhydrazinyl)thiazole-4-carboxylates: Synthesis, acetyl cholinesterase inhibition and docking studies. <i>Journal of Molecular Structure</i> , 2021, 1245, 131063.	1.8	17
44	Versatile Electrochemical Synthesis of Selenylbenzo[b]Furan Derivatives Through the Cyclization of 2-Alkynylphenols. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	16
45	The Antifungal Activity of <i>Sarcococca saligna</i> Ethanol Extract and its Combination Effect with Fluconazole against Different Resistant <i>Aspergillus</i> Species. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 127-133.	1.4	15
46	IP-Se-06, a Selenylated Imidazo[1,2-a]pyridine, Modulates Intracellular Redox State and Causes Akt/mTOR/HIF-1 $\alpha$ and MAPK Signaling Inhibition, Promoting Antiproliferative Effect and Apoptosis in Glioblastoma Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	1.9	15
47	Chemical constituents from the aerial parts of <i>Sophora mollis</i> . <i>Chemistry of Natural Compounds</i> , 2009, 45, 896-897.	0.2	10
48	Synthesis of 2,1,3-Benzoxadiazole Derivatives as New Fluorophores—Combined Experimental, Optical, Electro, and Theoretical Study. <i>Frontiers in Chemistry</i> , 2020, 8, 360.	1.8	10
49	New long-chain donor-acceptor-donor pyromellitic diimide (PMDI) derivatives. A combined theoretical and experimental study. <i>Dyes and Pigments</i> , 2018, 157, 143-150.	2.0	7
50	Synthesis of cardanol-based 1,2,3-triazoles as potential green agents against neoplastic cells. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 20, 100408.	1.6	6
51	KIO <sub>4</sub> -mediated Selective Hydroxymethylation/Methylenation of Imidazo-Heteroarenes: A Greener Approach. <i>Angewandte Chemie</i> , 2021, 133, 18602-18608.	1.6	6
52	Synthesis of cholesterol containing unsymmetrical dimers: a new series of liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 758-768.	0.9	6
53	Straightforward synthesis of cytosporone analogs AMS35AA and AMS35BB. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201347.	0.3	4
54	Synthesis of new monodendrons, gallic acid derivatives, self-assembled in a columnar phase. <i>Liquid Crystals</i> , 2015, , 1-13.	0.9	3

#	ARTICLE	IF	CITATIONS
55	Frontispiece: Photoinduced, Direct C(sp <sup>2</sup> )-H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosin. Y. Chemistry - A European Journal, 2020, 26, .	1.7	2
56	2-[(1R*,4R*)-1,4-Dihydroxycyclohexyl]acetic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o968-o968.	0.2	1
57	Antimicrobial and Antibiofilm Activities of 4,5-Dihydro-1H-pyrazole-1-carboximidamide Hydrochloride against Salmonella spp.. Journal of Chemistry, 2021, 2021, 1-9.	0.9	1
58	Synthesis of Bis(indolyl)methanes Using Fe <sub>3</sub> O <sub>4</sub> Nanoparticle as a Robust, Efficient and Magnetically Recoverable Catalyst Under Solvent-Free Conditions. Revista Virtual De Quimica, 2018, 10, 1591-1606.	0.1	1
59	Advances in photochemical seleno-functionalization of (hetero)arenes. , 2022, , 123-145.		0