# Assoc Prof Dr Jamal Rafique

## List of Publications by Year in Descending Order



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| 60 papers | 1,406 citations | 25 h-index | 36 g-index |
| 73 ext. papers | 1,722 ext. citations | 4.4 avg, IF | 4.9 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 60 | IP-Se-06, a Selenylated Imidazo[1,2-]pyridine, Modulates Intracellular Redox State and Causes Akt/mTOR/HIF-1 and MAPK Signaling Inhibition, Promoting Antiproliferative Effect and Apoptosis in Glioblastoma Cells.. *Oxidative Medicine and Cellular Longevity*, **2022**, 2022, 3710449 | 6.7 | 0 |
| 59 | Advances in photochemical seleno-functionalization of (hetero)arenes **2022**, 123-145 | | |
| 58 | 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 | 4.8 | 9 |
| 57 | Light-Mediated Seleno-Functionalization of Organic Molecules: Recent Advances. *Chemical Record*, **2021**, 21, 2739-2761 | 6.6 | 9 |
| 56 | Synthesis of cardanol-based 1,2,3-triazoles as potential green agents against neoplastic cells. *Sustainable Chemistry and Pharmacy*, **2021**, 20, 100408 | 3.9 | 3 |
| 55 | KIO4-mediated Selective Hydroxymethylation/Methylenation of Imidazo-Heteroarenes: A Greener Approach. *Angewandte Chemie*, **2021**, 133, 18602-18608 | 3.6 | 2 |
| 54 | The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. *Neurochemical Research*, **2021**, 46, 120-130 | 4.6 | 18 |
| 53 | Apoptosis oxidative damage-mediated and antiproliferative effect of selenylated imidazo[1,2-a]pyridines on hepatocellular carcinoma HepG2 cells and in vivo. *Journal of Biochemical and Molecular Toxicology*, **2021**, 35, e22663 | 3.4 | 6 |
| 52 | Straightforward synthesis of cytosporone analogs AMS35AA and AMS35BB. *Anais Da Academia Brasileira De Ciencias*, **2021**, 93, e20201347 | 1.4 | 0 |
| 51 | Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. *Molecules*, **2021**, 26, | 4.8 | 5 |
| 50 | KIO -mediated Selective Hydroxymethylation/Methylenation of Imidazo-Heteroarenes: A Greener Approach. *Angewandte Chemie - International Edition*, **2021**, 60, 18454-18460 | 16.4 | 5 |
| 49 | Antimicrobial and Antibiofilm Activities of 4,5-Dihydro-1H-pyrazole-1-carboximidamide Hydrochloride against Salmonella spp.. *Journal of Chemistry*, **2021**, 2021, 1-9 | 2.3 | 1 |
| 48 | Alkyl 2-(2-(arylidene)alkylhydrazinyl)thiazole-4-carboxylates: Synthesis, acetyl cholinesterase inhibition and docking studies. *Journal of Molecular Structure*, **2021**, 1245, 131063 | 3.4 | 1 |
| 47 | Frontispiece: Photoinduced, Direct C(sp2)H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosin Y. *Chemistry - A European Journal*, **2020**, 26, | 4.8 | 1 |
| 46 | Synthesis of 2,1,3-Benzoxadiazole Derivatives as New Fluorophores-Combined Experimental, Optical, Electro, and Theoretical Study. *Frontiers in Chemistry*, **2020**, 8, 360 | 5 | 8 |
| 45 | Selenylated-oxadiazoles as promising DNA intercalators: Synthesis, electronic structure, DNA interaction and cleavage. *Dyes and Pigments*, **2020**, 180, 108519 | 4.6 | 12 |
| 44 | Trihaloisocyanuric acids in ethanol: an eco-friendly system for the regioselective halogenation of imidazo-heteroarenes. *Green Chemistry*, **2020**, 22, 3410-3415 | 10 | 29 |

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| 43 | Photoinduced, Direct C(sp )-H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosin Y. *Chemistry - A European Journal*, **2020**, 26, 4461-4466 | 4.8 | 24 |
| 42 | 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 | 4.9 | 10 |
| 41 | Synthesis of Novel Selenocyanates and Evaluation of Their Effect in Cultured Mouse Neurons Submitted to Oxidative Stress. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 5417024 | 6.7 | 8 |
| 40 | 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 | 3.9 | 28 |
| 39 | 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 | 15.3 | 58 |
| 38 | Rice straw ash extract, an efficient solvent for regioselective hydrothiolation of alkynes. *Environmental Chemistry Letters*, **2019**, 17, 1441-1446 | 13.3 | 23 |
| 37 | Electrochemical Oxidative C(sp2)H Bond Selenylation of Activated Arenes. *European Journal of Organic Chemistry*, **2019**, 2019, 6465-6469 | 3.2 | 25 |
| 36 | Rose Bengal catalysed photo-induced selenylation of indoles, imidazoles and arenes: a metal free approach. *Organic and Biomolecular Chemistry*, **2018**, 16, 880-885 | 3.9 | 79 |
| 35 | Fe3O4 Nanoparticles: A Robust and Magnetically Recoverable Catalyst for Direct C-H Bond Selenylation and Sulfenylation of Benzothiazoles. *ChemistrySelect*, **2018**, 3, 328-334 | 1.8 | 29 |
| 34 | New long-chain donor-acceptor-donor pyromellitic diimide (PMDI) derivatives. A combined theoretical and experimental study. *Dyes and Pigments*, **2018**, 157, 143-150 | 4.6 | 4 |
| 33 | KIO3-Catalyzed C(sp2)-H Bond Selenylation/Sulfenylation of (Hetero)arenes: Synthesis of Chalcogenated (Hetero)arenes and their Evaluation for Anti-Alzheimer Activity. *Asian Journal of Organic Chemistry*, **2018**, 7, 1819-1824 | 3 | 37 |
| 32 | 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 | 3.4 | 31 |
| 31 | Ytterbium (III) triflate/Sodium Dodecyl Sulfate: A Versatile Recyclable and Water-Tolerant Catalyst for the Synthesis of Bis(indolyl)methanes (BIMs). *ChemistrySelect*, **2018**, 3, 6358-6363 | 1.8 | 17 |
| 30 | Direct, Metal-free C(sp )-H Chalcogenation of Indoles and Imidazopyridines with Dichalcogenides Catalysed by KIO. *Chemistry - A European Journal*, **2018**, 24, 4173-4180 | 4.8 | 87 |
| 29 | Copper-Catalyzed Three-Component Reaction of Oxadiazoles, Elemental Se/S and Aryl Iodides: Synthesis of Chalcogenyl (Se/S)-Oxadiazoles. *ChemistrySelect*, **2018**, 3, 13191-13196 | 1.8 | 21 |
| 28 | NH4I-catalyzed chalcogen(S/Se)-functionalization of 5-membered N-heteroaryls under metal-free conditions. *Tetrahedron*, **2018**, 74, 3971-3980 | 2.4 | 38 |
| 27 | 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 | 3.9 | 28 |
| 26 | Metal- and Solvent-Free Approach to Access 3-Se/S-Chromones from the Cyclization of Enaminones in the Presence of Dichalcogenides Catalyzed by KIO. *ACS Omega*, **2017**, 2, 2280-2290 | 3.9 | 37 |

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| 25 | Synthesis and structural characterisation of the aggregates of benzo-1,2-chalcogenazole 2-oxides. *Dalton Transactions*, **2017**, 46, 6570-6579 | 4.3 | 49 |
| 24 | Synthesis of Selenium-Quinone Hybrid Compounds with Potential Antitumor Activity via Rh-Catalyzed C-H Bond Activation and Click Reactions. *Molecules*, **2017**, 23, | 4.8 | 29 |
| 23 | Solvent- and metal-free selective oxidation of thiols to disulfides using I2/DMSO catalytic system. *Tetrahedron Letters*, **2017**, 58, 4713-4716 | 2 | 32 |
| 22 | Solvent- and Metal-Free Chalcogenation of Bicyclic Arenes Using I2/DMSO as Non-Metallic Catalytic System. *European Journal of Organic Chemistry*, **2017**, 2017, 4740-4748 | 3.2 | 47 |
| 21 | Regioselective hydrothiolation of terminal acetylene catalyzed by magnetite (Fe3O4) nanoparticles. *Synthetic Communications*, **2017**, 47, 291-298 | 1.7 | 21 |
| 20 | Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. *Molecules*, **2017**, 22, | 4.8 | 36 |
| 19 | Synthesis and evaluation of dihydropyrimidinone-derived selenoesters as multi-targeted directed compounds against Alzheimer's disease. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 5762-5770 | 3.4 | 49 |
| 18 | Regioselective, Solvent- and Metal-Free Chalcogenation of Imidazo[1,2-a]pyridines by Employing I2 /DMSO as the Catalytic Oxidation System. *Chemistry - A European Journal*, **2016**, 22, 11854-62 | 4.8 | 127 |
| 17 | DMSO/iodine-catalyzed oxidative C–Se/C–S bond formation: a regioselective synthesis of unsymmetrical chalcogenides with nitrogen- or oxygen-containing arenes. *Catalysis Science and Technology*, **2016**, 6, 3087-3098 | 5.5 | 61 |
| 16 | Antioxidant and Antiplasmodial Activities of Bergenin and 11-O-Galloylbergenin Isolated from Mallotus philippensis. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 1051925 | 6.7 | 25 |
| 15 | Synthesis of Functionalized Organoselenium Materials: Selenides and Diselenides Containing Cholesterol. *European Journal of Organic Chemistry*, **2015**, 2015, 3470-3476 | 3.2 | 35 |
| 14 | 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 | 5.6 | 56 |
| 13 | Synthesis of new monodendrons, gallic acid derivatives, self- assembled in a columnar phase. *Liquid Crystals*, **2015**, 1-13 | 2.3 | 2 |
| 12 | Synthesis and biological evaluation of 2-picolylamide-based diselenides with non-bonded interactions. *Molecules*, **2015**, 20, 10095-109 | 4.8 | 31 |
| 11 | Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. *Current Organic Chemistry*, **2015**, 20, 166-188 | 1.7 | 24 |
| 10 | K2CO3-mediated, direct C–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 | 3.7 | 30 |
| 9 | Synthesis of Biologically Relevant Small Molecules Containing Selenium. Part B. Anti-infective and Anticancer Compounds **2014**, 1-66 | | 1 |
| 8 | Synthesis of Biologically Relevant Small Molecules Containing Selenium. Part C. Miscellaneous Biological Activities **2014**, 1-56 | | 1 |

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| 7 | Solvent-Free Fmoc Protection of Amines Under Microwave Irradiation. *Asian Journal of Organic Chemistry*, **2013**, 2, 746-749 | 3 | 15 |
| 6 | Synthesis of Biologically Relevant Small Molecules Containing Selenium. Part A. Antioxidant Compounds **2013**, | | 2 |
| 5 | 2-[(1R*,4R*)-1,4-Dihy-droxy-cyclo-hex-yl]acetic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o968 | | 1 |
| 4 | The antifungal activity of Sarcococca saligna ethanol extract and its combination effect with fluconazole against different resistant Aspergillus species. *Applied Biochemistry and Biotechnology*, **2010**, 162, 127-33 | 3.2 | 13 |
| 3 | Chemical constituents from the aerial parts of Sophora mollis. *Chemistry of Natural Compounds*, **2009**, 45, 896-897 | 0.7 | 8 |
| 2 | Antiplasmodial isoflavanones from the roots of Sophora mollis. *Journal of Natural Products*, **2009**, 72, 1265-8 | 4.9 | 14 |
| 1 | Synthesis of cholesterol containing unsymmetrical dimers: a new series of liquid crystals. *Liquid Crystals*,1-11 | 2.3 | 1 |