

# Sumbal Saba

## List of Publications by Year in descending order

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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  | Regioselective, Solvent- and Metal-Free Chalcogenation of Imidazo[1,2-a]pyridines by Employing I <sub>2</sub> /DMSO as the Catalytic Oxidation System. <i>Chemistry - A European Journal</i> , 2016, 22, 11854-11862.                                            | 3.3  | 156       |
| 2  | Direct, Metal-Free C(sp <sup>2</sup> )-H Chalcogenation of Indoles and Imidazopyridines with Dichalcogenides Catalysed by KIO <sub>3</sub> . <i>Chemistry - A European Journal</i> , 2018, 24, 4173-4180.                                                        | 3.3  | 107       |
| 3  | Rose Bengal catalysed photo-induced selenylation of indoles, imidazoles and arenes: a metal free approach. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 880-885.                                                                                        | 2.8  | 105       |
| 4  | Aflatoxin M1 in human breast milk: A global systematic review, meta-analysis, and risk assessment study (Monte Carlo simulation). <i>Trends in Food Science and Technology</i> , 2019, 88, 333-342.                                                              | 15.1 | 80        |
| 5  | DMSO/iodine-catalyzed oxidative C-Se/S bond formation: a regioselective synthesis of unsymmetrical chalcogenides with nitrogen- or oxygen-containing arenes. <i>Catalysis Science and Technology</i> , 2016, 6, 3087-3098.                                       | 4.1  | 76        |
| 6  | Synthesis of Unsymmetrical Diorganyl Chalcogenides under Greener Conditions: Use of an Iodine/DMSO System, Solvent- and Metal-Free Approach. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1446-1452.                                                     | 4.3  | 72        |
| 7  | Solvent- and Metal-Free Chalcogenation of Bicyclic Arenes Using I <sub>2</sub> /DMSO as Non-Metallic Catalytic System. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4740-4748.                                                                     | 2.4  | 61        |
| 8  | Synthesis and evaluation of dihydropyrimidinone-derived selenoesters as multi-targeted directed compounds against Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5762-5770.                                                          | 3.0  | 60        |
| 9  | Electrochemical synthesis of selenyl-dihydrofurans via anodic selenofunctionalization of allyl-naphthol/phenol derivatives and their anti-Alzheimer activity. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4916-4921.                                   | 2.8  | 56        |
| 10 | 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. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1819-1824. | 2.7  | 54        |
| 11 | NH <sub>4</sub> I-catalyzed chalcogen(S/Se)-functionalization of 5-membered N-heteroaryls under metal-free conditions. <i>Tetrahedron</i> , 2018, 74, 3971-3980.                                                                                                 | 1.9  | 53        |
| 12 | 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> . <i>ACS Omega</i> , 2017, 2, 2280-2290.                                                         | 3.5  | 51        |
| 13 | Trihaloisocyanuric acids in ethanol: an eco-friendly system for the regioselective halogenation of imidazo-heteroarenes. <i>Green Chemistry</i> , 2020, 22, 3410-3415.                                                                                           | 9.0  | 49        |
| 14 | Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. <i>Molecules</i> , 2017, 22, 1367.                                                                                               | 3.8  | 48        |
| 15 | Solvent- and metal-free selective oxidation of thiols to disulfides using I <sub>2</sub> /DMSO catalytic system. <i>Tetrahedron Letters</i> , 2017, 58, 4713-4716.                                                                                               | 1.4  | 46        |
| 16 | Electrochemical Oxidative C(sp <sup>2</sup> )-H Bond Selenylation of Activated Arenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6465-6469.                                                                                                     | 2.4  | 43        |
| 17 | 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.            | 2.1  | 42        |
| 18 | Synthesis and Biological Evaluation of 2-Picolylamide-Based Diselenides with Non-Bonded Interactions. <i>Molecules</i> , 2015, 20, 10095-10109.                                                                                                                  | 3.8  | 39        |

| #  | ARTICLE                                                                                                                                                                                                                                 | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Synthesis of Functionalized Organoselenium Materials: Selenides and Diselenides Containing Cholesterol. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3470-3476.                                                           | 2.4  | 39        |
| 20 | Recent Advances in the Synthesis of Biologically Relevant Selenium-containing 5-Membered Heterocycles. <i>Current Organic Chemistry</i> , 2015, 20, 166-188.                                                                            | 1.6  | 39        |
| 21 | 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.                           | 1.5  | 37        |
| 22 | 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.                              | 3.1  | 37        |
| 23 | 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.                        | 3.6  | 36        |
| 24 | 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.                                                  | 1.5  | 35        |
| 25 | 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.                    | 3.3  | 35        |
| 26 | The Thiol-Modifier Effects of Organoselenium Compounds and Their Cytoprotective Actions in Neuronal Cells. <i>Neurochemical Research</i> , 2021, 46, 120-130.                                                                           | 3.3  | 35        |
| 27 | 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.                                         | 4.0  | 33        |
| 28 | KIO <sub>4</sub> -mediated Selective Hydroxymethylation/Methylenation of Imidazo-Heteroarenes: A Greener Approach. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18454-18460.                                            | 13.8 | 30        |
| 29 | 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.                                                       | 2.1  | 27        |
| 30 | 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.                              | 3.3  | 26        |
| 31 | Selenylated-oxadiazoles as promising DNA intercalators: Synthesis, electronic structure, DNA interaction and cleavage. <i>Dyes and Pigments</i> , 2020, 180, 108519.                                                                    | 3.7  | 26        |
| 32 | A selanylimidazopyridine (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.                                 | 2.4  | 25        |
| 33 | 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.                                      | 1.5  | 24        |
| 34 | 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. | 3.0  | 23        |
| 35 | 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.                                          | 4.0  | 20        |
| 36 | Catalytic Antioxidant Activity of Bis-Aniline-Derived Diselenides as GPx Mimics. <i>Molecules</i> , 2021, 26, 4446.                                                                                                                     | 3.8  | 17        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Alkyl 2-(2-(arylidene)alkylhydrazinyl)thiazole-4-carboxylates: Synthesis, acetyl cholinesterase inhibition and docking studies. <i>Journal of Molecular Structure</i> , 2021, 1245, 131063.                                                                                                        | 3.6 | 17        |
| 38 | Versatile Electrochemical Synthesis of Selenylbenzo[b]Furan Derivatives Through the Cyclization of 2-Alkynylphenols. <i>Frontiers in Chemistry</i> , 2022, 10, .                                                                                                                                   | 3.6 | 16        |
| 39 | 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. | 4.0 | 15        |
| 40 | 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.                                                                                                                    | 3.6 | 10        |
| 41 | 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.                                                                                                                         | 3.7 | 7         |
| 42 | KIO <sub>4</sub> -mediated Selective Hydroxymethylation/Methylenation of Imidazo-heteroarenes: A Greener Approach. <i>Angewandte Chemie</i> , 2021, 133, 18602-18608.                                                                                                                              | 2.0 | 6         |
| 43 | Synthesis of cholesterol containing unsymmetrical dimers: a new series of liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 758-768.                                                                                                                                                             | 2.2 | 6         |
| 44 | Spectral characterization and crystal structure of 2-amino-N <sup>2</sup> -(1Z)-1-(4-chlorophenyl)ethylidene]-benzohydrazide. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 40-44.                                                                                                          | 5.2 | 5         |
| 45 | Synthesis of new monodendrons, gallic acid derivatives, self- assembled in a columnar phase. <i>Liquid Crystals</i> , 2015, , 1-13.                                                                                                                                                                | 2.2 | 3         |
| 46 | Frontispiece: Photoinduced, Direct C(sp <sup>2</sup> )-H Bond Azo Coupling of Imidazoheteroarenes and Imidazoanilines with Aryl Diazonium Salts Catalyzed by Eosin <sup>B</sup> . <i>Chemistry - A European Journal</i> , 2020, 26, .                                                              | 3.3 | 2         |
| 47 | (2-Aminophenyl)[(5S)-5-hydroxy-3,5-dimethyl-4,5-dihydro-1H-pyrazol-1-yl]methanone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1834-o1835.                                                                                                                      | 0.2 | 1         |
| 48 | Antimicrobial and Antibiofilm Activities of 4,5-Dihydro-1H-pyrazole-1-carboximidamide Hydrochloride against <i>Salmonella</i> spp.. <i>Journal of Chemistry</i> , 2021, 2021, 1-9.                                                                                                                 | 1.9 | 1         |
| 49 | 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. <i>Revista Virtual De Quimica</i> , 2018, 10, 1591-1606.                                                           | 0.4 | 1         |
| 50 | Advances in photochemical seleno-functionalization of (hetero)arenes. , 2022, , 123-145.                                                                                                                                                                                                           |     | 0         |