# Ram A Vishwakarma

List of Publications by Year
in descending order



| 21 | 577 | 623734 | 713466 |
|---|---|---|---|
| papers | citations | 14 h-index | 21 g-index |

| 21 | 21 | 21 | 908 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Why Are the Majority of Active Compounds in the CNS Domain Natural Products? A Critical Analysis. Journal of Medicinal Chemistry, 2018, 61, 10345-10374. | 6.4 | 67 |
| 2 | Crocus sativus Extract Tightens the Blood-Brain Barrier, Reduces Amyloid Î² Load and Related Toxicity in 5XFAD Mice. ACS Chemical Neuroscience, 2017, 8, 1756-1766. | 3.5 | 66 |
| 3 | Discovery of Quinazolin-4(3H)-ones as NLRP3 Inflammasome Inhibitors: Computational Design, Metal-Free Synthesis, and in Vitro Biological Evaluation. Journal of Organic Chemistry, 2019, 84, 5129-5140. | 3.2 | 44 |
| 4 | Strategies to target SARS-CoV-2 entry and infection using dual mechanisms of inhibition by acidification inhibitors. PLoS Pathogens, 2021, 17, e1009706. | 4.7 | 42 |
| 5 | Metal-free Cross-Dehydrogenative Coupling of HN-azoles with Î±-C(sp<sup>3</sup>)-H Amides via Câ€“H Activation and Its Mechanistic and Application Studies. Journal of Organic Chemistry, 2017, 82, 1000-1012. | 3.2 | 41 |
| 6 | Design of Novel 3-Pyrimidinylazaindole CDK2/9 Inhibitors with Potent In Vitro and In Vivo Antitumor Efficacy in a Triple-Negative Breast Cancer Model. Journal of Medicinal Chemistry, 2017, 60, 9470-9489. | 6.4 | 39 |
| 7 | Discovery and Preclinical Development of IIIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. Journal of Medicinal Chemistry, 2018, 61, 1664-1687. | 6.4 | 39 |
| 8 | Identification of Potent and Selective CYP1A1 Inhibitors via Combined Ligand and Structure-Based Virtual Screening and Their in Vitro Validation in Sacchrosomes and Live Human Cells. Journal of Chemical Information and Modeling, 2017, 57, 1309-1320. | 5.4 | 36 |
| 9 | Lipovelutibols Aâ€“D: Cytotoxic Lipopeptaibols from the Himalayan Cold Habitat Fungus Trichoderma velutinum. Journal of Natural Products, 2018, 81, 219-226. | 3.0 | 30 |
| 10 | Preclinical Development of Crocus sativus-Based Botanical Lead IIIM-141 for Alzheimerâ€™s Disease: Chemical Standardization, Efficacy, Formulation Development, Pharmacokinetics, and Safety Pharmacology. ACS Omega, 2018, 3, 9572-9585. | 3.5 | 26 |
| 11 | Room Temperature Metal-Catalyzed Oxidative Acylation of Electron-Deficient Heteroarenes with Alkynes, Its Mechanism, and Application Studies. Journal of Organic Chemistry, 2018, 83, 12420-12431. | 3.2 | 25 |
| 12 | Chemical analysis of saffron by HPLC based crocetin estimation. Journal of Pharmaceutical and Biomedical Analysis, 2020, 181, 113094. | 2.8 | 25 |
| 13 | Establishment of LCMS Based Platform for Discovery of Quorum Sensing Inhibitors: Signal Detection in Pseudomonas aeruginosa PAO1. ACS Chemical Biology, 2018, 13, 657-665. | 3.4 | 19 |
| 14 | Exploring Derivatives of Quinazoline Alkaloid <scp>l</scp>-Vasicine as Cap Groups in the Design and Biological Mechanistic Evaluation of Novel Antitumor Histone Deacetylase Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 3484-3497. | 6.4 | 18 |
| 15 | Biotransformation of Chrysin to Baicalein: Selective C6-Hydroxylation of 5,7-Dihydroxyflavone Using Whole Yeast Cells Stably Expressing Human CYP1A1 Enzyme. Journal of Agricultural and Food Chemistry, 2017, 65, 7440-7446. | 5.2 | 13 |
| 16 | Stereoselective Synthesis of Nonpsychotic Natural Cannabidiol and Its Unnatural/Terpenyl/Tail-Modified Analogues. Journal of Organic Chemistry, 2022, 87, 4489-4498. | 3.2 | 13 |
| 17 | Orally Effective Aminoalkyl 10 H â€indolo[3,2â€b ]quinolineâ€11â€carboxamide Kills the Malaria Parasite by Inhibiting Host Hemoglobin Uptake. ChemMedChem, 2018, 13, 2581-2598. | 3.2 | 11 |
| 18 | Introducing Oxo-Phenylacetyl (OPAc) as a Protecting Group for Carbohydrates. Journal of Organic Chemistry, 2019, 84, 4131-4148. | 3.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Total Synthesis of Phospholipomannan of Candida albicans. Journal of Organic Chemistry, 2020, 85, 7757-7771. | 3.2 | 8 |
| 20 | Transformation of Santonin to a Naproxen Analogue with Anti-Inflammatory Activity. Journal of Natural Products, 2019, 82, 1710-1713. | 3.0 | 4 |
| 21 | Total Synthesis and Conformational Analysis of Naturally Occurring Lipovelutibols along with Lead Optimization of Lipovelutibol D. ACS Omega, 2021, 6, 6070-6080. | 3.5 | 1 |