

# Rajeev Sakhuja

## List of Publications by Year in descending order

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63  
papers

1,075  
citations

430874

18  
h-index

501196

28  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of spiro[indole-thiazolidine]spiro[indole-pyrans] as antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5465-5469.	2.2	90
2	Highly sensitive fluorescent imidazolium-based sensors for nanomolar detection of explosive picric acid in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 599-608.	7.8	70
3	Experimental and theoretical study: Determination of dipole moment of synthesized coumarin-triazole derivatives and application as turn off fluorescence sensor: High sensitivity for iron(III) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1266-1278.	7.8	51
4	Copper catalyzed direct aerobic double-oxidative cross-dehydrogenative coupling of imidazoheterocycles with aryl acetaldehydes: an articulate approach for dicarbonylation at C-3 position. <i>Tetrahedron</i> , 2016, 72, 645-652.	1.9	45
5	New quinoline-triazole conjugates: Synthesis, and antiviral properties against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2021, 114, 105117.	4.1	45
6	Additive-Driven Rhodium-Catalyzed [4+1]/[4+2] Annulations of <i>N</i> -Arylphthalazine-1,4-dione with $\hat{I}\pm$ -Diazo Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2018, 83, 11661-11673.	3.2	38
7	Ruthenium(II)-Catalyzed Regioselective Ortho Amidation of Imidazo Heterocycles with Isocyanates. <i>Journal of Organic Chemistry</i> , 2016, 81, 12340-12349.	3.2	32
8	Ytterbium Triflate Catalyzed Synthesis of Heterocycles. <i>Synthesis</i> , 2016, 48, 4305-4346.	2.3	31
9	Synthesis, characterization and biological evaluation of bile acid-aromatic/heteroaromatic amides linked via amino acids as anti-cancer agents. <i>Steroids</i> , 2016, 107, 87-97.	1.8	29
10	NH <sub>4</sub> OAc-Promoted Cascade Approach towards Aberrant Synthesis of Chromene-Fused Quinolinones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 705-714.	2.4	28
11	Ruthenium Catalyzed C <sup>~</sup> H Acylmethylation of <i>N</i> -Arylphthalazine-1,4-diones with $\hat{I}\pm$ -Carbonyl Sulfoxonium Ylides: Highway to Diversely Functionalized Phthalazino-fused Cinnolines. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4274-4288.	3.3	26
12	Iridium-catalyzed [4 + 2] annulation of 1-arylindazolones with $\hat{I}\pm$ -diazo carbonyl compounds: access to indazolone-fused cinnolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8585-8595.	2.8	25
13	Gelation Behavior of 2H-Chromene N-Acylamino Acid Conjugates. <i>Journal of Organic Chemistry</i> , 2009, 74, 3062-3065.	3.2	23
14	Reducing-Agent-Free Convergent Synthesis of Hydroxyimino-Decorated Tetracyclic Fused Cinnolines via Rh <sup>III</sup> -Catalyzed Annulation Using Nitroolefins. <i>Journal of Organic Chemistry</i> , 2021, 86, 2734-2747.	3.2	23
15	The Chemistry of <i>N</i> -Hydroxyamidoximes, <i>N</i> -Aminoamidoximes, and Hydrazidines. <i>Chemical Reviews</i> , 2012, 112, 1633-1649.	47.7	22
16	Synthesis of Boltorn 1,2,3-triazole dendrimers by click chemistry. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3748-3756.	2.3	21
17	Carbene-Mediated Transformations of 1-(Benzylideneamino)benzimidazoles. <i>Journal of Organic Chemistry</i> , 2011, 76, 4082-4087.	3.2	20
18	A Novel Aminotetralin-Type Serotonin (5-HT) <sub>2C</sub> Receptor-Specific Agonist and 5-HT <sub>2A</sub> Competitive Antagonist/5-HT <sub>2B</sub> Inverse Agonist with Preclinical Efficacy for Psychoses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 349, 310-318.	2.5	20

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19	Clickable conjugates of bile acids and nucleosides: Synthesis, characterization, in vitro anticancer and antituberculosis studies. <i>Steroids</i> , 2018, 139, 35-44.	1.8	19
20	Molecular and behavioral pharmacology of two novel orally-active 5HT <sub>2</sub> modulators: Potential utility as antipsychotic medications. <i>Neuropharmacology</i> , 2013, 72, 274-281.	4.1	18
21	An Articulate Oxidative Transition-Metal-Free Homocoupling of Imidazo Heterocycles through C(sp <sup>2</sup> )-C(sp <sup>2</sup> ) Bond Formation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2596-2602.	2.4	18
22	Molecular determinants for ligand binding at serotonin 5HT <sub>2A</sub> and 5HT <sub>2C</sub> GPCRs: Experimental affinity results analyzed by molecular modeling and ligand docking studies. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 3807-3814.	2.0	17
23	Fluorescence Quenching of a Benzimidazolium-based Probe for Selective Detection of Picric Acid in Aqueous Medium. <i>ChemistrySelect</i> , 2016, 1, 1756-1762.	1.5	17
24	Detection of Hg <sup>2+</sup> ions in aqueous medium using an indole-based fluorescent probe: Experimental and theoretical investigations. <i>Journal of Molecular Liquids</i> , 2017, 248, 668-677.	4.9	17
25	Folate-Targeted Cholesterol-Grafted Lipo-Polymeric Nanoparticles for Chemotherapeutic Agent Delivery. <i>AAPS PharmSciTech</i> , 2020, 21, 280.	3.3	17
26	Solvent-Driven Iodine-Mediated Oxidative Strategies for the Synthesis of Bis(imidazo[1,2-a]pyridin-3-yl)sulfanes and Disulfanes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3061-3068.	3.3	15
27	Effect of filler loading on the mechanical properties of crosslinked 1,2,3-triazole polymers. <i>Journal of Applied Polymer Science</i> , 2010, 118, 121-127.	2.6	14
28	Design, synthesis, antimicrobial, and DNA gyrase inhibitory properties of fluoroquinolone-dichloroacetic acid hybrids. <i>Chemical Biology and Drug Design</i> , 2020, 95, 248-259.	3.2	14
29	Novel Fluorinated Spiro [Indole-indazolyl-thiazolidine]-2,4-diones: Design and Synthesis. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1829-1839.	1.6	13
30	Estimation of ground and excited state dipole moments of synthesized coumarin derivative [N-(2-oxo-2H-chromen-4-yl)imino]triphenyl-phosphorane. <i>Journal of Molecular Liquids</i> , 2014, 200, 115-119.	4.9	13
31	Copper-catalysed CN/CO coupling in water: a facile access to N-coumaryl amino acids and fluorescent tyrosine & lysine labels. <i>Tetrahedron Letters</i> , 2016, 57, 2732-2736.	1.4	13
32	Solvatochromic shift and estimation of dipole moment of synthesized coumarin derivative: Application as sensor for fluorogenic recognition of Fe <sup>3+</sup> and Cu <sup>2+</sup> ions in aqueous solution. <i>Journal of Molecular Liquids</i> , 2016, 222, 253-262.	4.9	13
33	Efficient Syntheses of Naphthoquinone-Dipeptides. <i>Synthesis</i> , 2010, 2010, 2011-2016.	2.3	12
34	An unprecedented tandem synthesis of fluorescent coumarin-fused pyrimidines via copper-catalyzed cross-dehydrogenative C(sp <sup>3</sup> )-N bond coupling. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3220-3228.	2.8	12
35	Indazolone-Assisted Sequential ortho-Alkenylation-Oxidative Aza-Michael Addition of 1-Arylindazolone Using Acrylates Under Ru(II) Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1199-1204.	2.7	11
36	Ruthenium Catalyzed C-H Amidation and Carbocyclization using Isocyanates: An Access to Amidated 2-phenylphthalazine-1,4-diones and Indazolo[1,2-b]phthalazine-triones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 762-775.	3.3	11

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37	Fabrication of deoxycholic acid tethered $\beta$ -cyanostilbenes as smart low molecular weight gelators and AIEE probes for bio-imaging. <i>Steroids</i> , 2020, 160, 108659.	1.8	11
38	One-Pot Synthesis of Carbon Nanodots in an Organic Medium with Aggregation-Induced Emission Enhancement (AIEE): A Rationale for $\alpha$ -Enzyme-Free Detection of Cholesterol. <i>ACS Omega</i> , 2017, 2, 3816-3827.	3.5	10
39	Synthesis and antimicrobial activity of novel bis-azaphenothiazines. <i>Medicinal Chemistry Research</i> , 2013, 22, 4459-4467.	2.4	9
40	Synthesis and evaluation of bile acid amides of $\beta$ -cyanostilbenes as anticancer agents. <i>Molecular Diversity</i> , 2018, 22, 305-321.	3.9	9
41	Regiodivergent Synthesis of Cinnoline-Fused Indazolones through Pd-Catalyzed Annulation of 1-Arylindazolones with Allenates. <i>Journal of Organic Chemistry</i> , 2022, 87, 3701-3706.	3.2	9
42	Microwave-Assisted Expedite Synthesis of 2-Phenylimidazo[1,2-a]pyridylquinoxalinones. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 773-779.	2.6	8
43	Solvent effects on the absorption and emission spectra of novel (E)-4-((4-(heptyloxy)phenyl)diazonyl)benzyl (((9H-fluoren-9-yl)methoxy)carbonyl)-d-alaninate (Fmoc-al-az): Determination of dipole moment by experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2017, 1129, 248-255.	3.6	8
44	Expansion of Phosphane Treasure Box for Staudinger Peptide Ligation. <i>Journal of Organic Chemistry</i> , 2020, 85, 12147-12159.	3.2	8
45	Rhodium-Catalyzed Spirocyclization of Maleimide with Aryl dihydrophthalazine dione to Access Pentacyclic Spiro Succinimides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2580-2590.	2.7	8
46	Microwave-Assisted Synthesis of 10-(Phthalimidoalkyl)halosubstituted pyrido [3,2-b][1,4]benzothiazine in Dry Media. <i>Synthetic Communications</i> , 2007, 37, 4059-4069.	2.1	7
47	Estimation of ground and excited-state dipole moments of synthesized coumarin derivative, (S)-1-((7-hydroxy-2-oxo-2H-chromen-4-yl)methyl)-1H-1,2,3-triazol-4-yl)methyl 2-(((9H-fluoren-9-yl)methoxy)carbonylamino)-3-phenylpropanoate from a solvatochromic shift and theoretical methods. <i>Journal of Molecular Liquids</i> , 2015, 209, 219-223.	4.9	7
48	Bile-Acid-Appended Triazolyl Aryl Ketones: Design, Synthesis, In Vitro Anticancer Activity and Pharmacokinetics in Rats. <i>Molecules</i> , 2021, 26, 5741.	3.8	7
49	Microwave-Assisted Synthesis of Benzo-fused Seven-membered Azaheterocycles. <i>Mini-Reviews in Organic Chemistry</i> , 2014, 11, 55-72.	1.3	6
50	Imidazolium-supported benzotriazole: an efficient and recoverable activating reagent for amide, ester and thioester bond formation in water. <i>RSC Advances</i> , 2015, 5, 82199-82207.	3.6	6
51	Amino acid appended cholic acid azobenzene dyad: an effective & smart phase selective gelator for aromatic solvents. <i>RSC Advances</i> , 2016, 6, 76632-76641.	3.6	6
52	Experimental and Quantum Chemical Calculations of Imidazolium Appended Naphthalene Hybrid in Different Biomimicking Aqueous Interfaces. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6563-6574.	2.5	6
53	Highly Selective Sensing of Li <sup>+</sup> in H <sub>2</sub> O/CH <sub>3</sub> CN via Fluorescence Turn-on™ Response of a Coumarin-Indole Linked Dyad: an Experimental and Theoretical Study. <i>Journal of Fluorescence</i> , 2016, 26, 2177-2185.	2.5	6
54	Fluoroquinolone-3-carboxamide Amino Acid Conjugates: Synthesis, Antibacterial Properties And Molecular Modeling Studies. <i>Medicinal Chemistry</i> , 2020, 17, 71-84.	1.5	6

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55	Synthesis, Antibacterial Evaluation, and Computational Studies of a Diverse Set of Linezolid Conjugates. <i>Pharmaceuticals</i> , 2022, 15, 191.	3.8	6
56	Ruthenium-catalyzed (spiro)annulation of <i>N</i> -aryl-2,3-dihydrophthalazine-1,4-diones with quinones to access pentacyclic spiro-indazolones and fused-cinnolines. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4753-4764.	2.8	6
57	Design and synthesis of amino acid appended azo dye hybrid: Characterization, solvatochromic and quantum-chemical calculations using experimental and theoretical approach. <i>Journal of Molecular Liquids</i> , 2016, 221, 1022-1028.	4.9	5
58	Phytochemical investigation of <i>Tabebuia palmeri</i> . <i>Chemistry of Natural Compounds</i> , 2014, 49, 1039-1042.	0.8	4
59	Novel 4-substituted-N,N-dimethyltetrahydronaphthalen-2-amines: synthesis, affinity, and in silico docking studies at serotonin 5-HT <sub>2</sub> -type and histamine H <sub>1</sub> G protein-coupled receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1588-1600.	3.0	4
60	Traceless reductive ligation at a tryptophan site: a facile access to $\beta$ -hydroxytryptophan appended peptides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9578-9587.	2.8	3
61	Aziridine based electrophilic handle for aspartic acid ligation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4311-4319.	2.8	2
62	Fluorescent glutamine and asparagine as promising probes for chemical biology. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7695-7700.	2.8	2
63	Synthesis, Absorption, and Fluorescence Studies of Coumaryl-Labelled Amino Acids and Dipeptides Linked Via Triazole Ring. <i>Australian Journal of Chemistry</i> , 2015, 68, 1415.	0.9	1