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	Regiodivergent Synthesis of Cinnoline-Fused Indazolones through Pd-Catalyzed Annulation of 1-Arylindazolones with Allenoates. Journal of Organic Chemistry, 2022, 87, 3701-3706.	3.2	9
2	Synthesis, Antibacterial Evaluation, and Computational Studies of a Diverse Set of Linezolid Conjugates. Pharmaceuticals, 2022, 15, 191.	3.8	6
3	Ruthenium-catalyzed (spiro)annulation of N-aryl-2,3-dihydrophthalazine-1,4-diones with quinones to access pentacyclic spiro-indazolones and fused-cinnolines. Organic and Biomolecular Chemistry, 2022, 20, 4753-4764.	2.8	6
4	Ruthenium Catalyzed Câ"H Amidation and Carbocyclization using Isocyanates: An Access to Amidated 2â€phenylphthalazineâ€1,4â€diones and Indazolo[1,2â€b]phthalazineâ€triones. Advanced Synthesis and Catalysis, 2021, 363, 762-775.	4.3	11
5	Fluorescent glutamine and asparagine as promising probes for chemical biology. Organic and Biomolecular Chemistry, 2021, 19, 7695-7700.	2.8	2
6	Rhodiumâ€Catalyzed Spirocyclization of Maleimide with Nâ€Arylâ€2,3â€dihydrophthalazineâ€1,4â€dione to Access Pentacyclic Spiroâ€Succinimides. Asian Journal of Organic Chemistry, 2021, 10, 2580-2590.	2.7	8
7	Bile-Acid-Appended Triazolyl Aryl Ketones: Design, Synthesis, In Vitro Anticancer Activity and Pharmacokinetics in Rats. Molecules, 2021, 26, 5741.	3.8	7
8	New quinoline-triazole conjugates: Synthesis, and antiviral properties against SARS-CoV-2. Bioorganic Chemistry, 2021, 114, 105117.	4.1	45
9	Reducing-Agent-Free Convergent Synthesis of Hydroxyimino-Decorated Tetracyclic Fused Cinnolines via Rh^{III}-Catalyzed Annulation Using Nitroolefins. Journal of Organic Chemistry, 2021, 86, 2734-2747.	3.2	23
10	Design, synthesis, antimicrobial, and DNA gyrase inhibitory properties of fluoroquinoloneâ€"dichloroacetic acid hybrids. Chemical Biology and Drug Design, 2020, 95, 248-259.	3.2	14
11	Folate-Targeted Cholesterol-Grafted Lipo-Polymeric Nanoparticles for Chemotherapeutic Agent Delivery. AAPS PharmSciTech, 2020, 21, 280.	3.3	17
12	Expansion of Phosphane Treasure Box for Staudinger Peptide Ligation. Journal of Organic Chemistry, 2020, 85, 12147-12159.	3.2	8
13	Indazoloneâ€Assisted Sequential ortho â€Alkenylationâ€Oxidative Azaâ€Michael Addition of 1â€Arylindazolone Using Acrylates Under Ru(II) Catalysis. Asian Journal of Organic Chemistry, 2020, 9, 1199-1204.	2.7	11
14	Fabrication of deoxycholic acid tethered Î±-cyanostilbenes as smart low molecular weight gelators and AIEE probes for bio-imaging. Steroids, 2020, 160, 108659.	1.8	11
15	Fluoroquinolone-3-carboxamide Amino Acid Conjugates: Synthesis, Antibacterial Properties And Molecular Modeling Studies. Medicinal Chemistry, 2020, 17, 71-84.	1.5	6
16	Ruthenium Catalyzed Câ"H Acylmethylation of Nâ€Arylphthalazineâ€1,4â€diones with Î±â€Carbonyl Sulfoxonium Ylides: Highway to Diversely Functionalized Phthalazinoâ€fused Cinnolines. Chemistry - an Asian Journal, 2019, 14, 4274-4288.	3.3	26
17	NH₄OAcâ€Promoted Cascade Approach towards Aberrant Synthesis of Chromeneâ€Fused Quinolinones. European Journal of Organic Chemistry, 2019, 2019, 705-714.	2.4	28
18	An unprecedented tandem synthesis of fluorescent coumarin-fused pyrimidines via copper-catalyzed cross-dehydrogenative C(sp3)â€"N bond coupling. Organic and Biomolecular Chemistry, 2018, 16, 3220-3228.	2.8	12

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19	Synthesis and evaluation of bile acid amides of $$alpha $$ Î± -cyanostilbenes as anticancer agents. Molecular Diversity, 2018, 22, 305-321.	3.9	9
20	Iridium-catalyzed [4 + 2] annulation of 1-arylindazolones with Î±-diazo carbonyl compounds: access to indazolone-fused cinnolines. Organic and Biomolecular Chemistry, 2018, 16, 8585-8595.	2.8	25
21	Clickable conjugates of bile acids and nucleosides: Synthesis, characterization, in vitro anticancer and antituberculosis studies. Steroids, 2018, 139, 35-44.	1.8	19
22	Additive-Driven Rhodium-Catalyzed [4+1]/[4+2] Annulations of N-Arylphthalazine-1,4-dione with Î±-Diazo Carbonyl Compounds. Journal of Organic Chemistry, 2018, 83, 11661-11673.	3.2	38
23	Aziridine based electrophilic handle for aspartic acid ligation. Organic and Biomolecular Chemistry, 2018, 16, 4311-4319.	2.8	2
24	An Articulate Oxidative Transitionâ€Metalâ€Free Homocoupling of Imidazo Heterocycles through C(sp²)â€“C(sp²) Bond Formation. European Journal of Organic Chemistry, 2017, 2017, 2596-2602.	2.4	18
25	Solventâ€Driven Iodineâ€Mediated Oxidative Strategies for the Synthesis of Bis(imidazo[1,2â€a]pyridinâ€3â€yl)sulfanes and Disulfanes. Chemistry - an Asian Journal, 2017, 12, 3061-3068.	3.3	15
26	Detection of Hg2+ ions in aqueous medium using an indole-based fluorescent probe: Experimental and theoretical investigations. Journal of Molecular Liquids, 2017, 248, 668-677.	4.9	17
27	One-Pot Synthesis of Carbon Nanodots in an Organic Medium with Aggregation-Induced Emission Enhancement (AIEE): A Rationale for â€œEnzyme-Freeâ€•Detection of Cholesterol. ACS Omega, 2017, 2, 3816-3827.	3.5	10
28	Solvent effects on the absorption and emission spectra of novel (E)-4-((4-(heptyloxy)phenyl)diazenyl)benzyl (((9H-fluoren-9-yl)methoxy)carbonyl)- d -alaninate (Fmoc-al-az): Determination of dipole moment by experimental and theoretical study. Journal of Molecular Structure, 2017, 1129, 248-255.	3.6	8
29	Ytterbium Triflate Catalyzed Synthesis of Heterocycles. Synthesis, 2016, 48, 4305-4346.	2.3	31
30	Copper-catalysed CN/CO coupling in water: a facile access to N-coumaryl amino acids and fluorescent tyrosine & lysine labels. Tetrahedron Letters, 2016, 57, 2732-2736.	1.4	13
31	Amino acid appended cholic acidâ€“azobenzene dyad: an effective & smart phase selective gelator for aromatic solvents. RSC Advances, 2016, 6, 76632-76641.	3.6	6
32	Fluorescence Quenching of a Benzimidazoliumâ€“based Probe for Selective Detection of Picric Acid in Aqueous Medium. ChemistrySelect, 2016, 1, 1756-1762.	1.5	17
33	Experimental and Quantum Chemical Calculations of Imidazolium Appended Naphthalene Hybrid in Different Biomimicking Aqueous Interfaces. Journal of Physical Chemistry A, 2016, 120, 6563-6574.	2.5	6
34	Traceless reductive ligation at a tryptophan site: a facile access to Î²-hydroxytryptophan appended peptides. Organic and Biomolecular Chemistry, 2016, 14, 9578-9587.	2.8	3
35	Highly Selective Sensing of Li+ in H2O/CH3CN via Fluorescence â€˜Turn-onâ€™ Response of a Coumarin-Indole Linked Dyad: an Experimental and Theoretical Study. Journal of Fluorescence, 2016, 26, 2177-2185.	2.5	6
36	Solvatochromic shift and estimation of dipole moment of synthesized coumarin derivative: Application as sensor for fluorogenic recognition of Fe3+ and Cu2+ ions in aqueous solution. Journal of Molecular Liquids, 2016, 222, 253-262.	4.9	13

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37	Design and synthesis of amino acid appended azo dye hybrid: Characterization, solvatochromic and quantum-chemical calculations using experimental and theoretical approach. Journal of Molecular Liquids, 2016, 221, 1022-1028.	4.9	5
38	Ruthenium(II)-Catalyzed Regioselective Ortho Amidation of Imidazo Heterocycles with Isocyanates. Journal of Organic Chemistry, 2016, 81, 12340-12349.	3.2	32
39	Copper catalyzed direct aerobic double-oxidative cross-dehydrogenative coupling of imidazoheterocycles with aryl acetaldehydes: an articulate approach for dicarbonylation at C-3 position. Tetrahedron, 2016, 72, 645-652.	1.9	45
40	Highly sensitive fluorescent imidazolium-based sensors for nanomolar detection of explosive picric acid in aqueous medium. Sensors and Actuators B: Chemical, 2016, 229, 599-608.	7.8	70
41	Synthesis, characterization and biological evaluation of bile acid-aromatic/heteroaromatic amides linked via amino acids as anti-cancer agents. Steroids, 2016, 107, 87-97.	1.8	29
42	Synthesis, Absorption, and Fluorescence Studies of Coumaryl-Labelled Amino Acids and Dipeptides Linked Via Triazole Ring. Australian Journal of Chemistry, 2015, 68, 1415.	0.9	1
43	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)cabonylamino)-3-phenylpropanoate from a solvatochromic shift and theoretical methods. Journal of Molecular Liquids, 2015, 209, 219-223.	4.9	7
44	Novel 4-substituted-N,N-dimethyltetrahydronaphthalen-2-amines: synthesis, affinity, and in silico docking studies at serotonin 5-HT2-type and histamine H1 G protein-coupled receptors. Bioorganic and Medicinal Chemistry, 2015, 23, 1588-1600.	3.0	4
45	Experimental and theoretical study: Determination of dipole moment of synthesized coumarinâ€“triazole derivatives and application as turn off fluorescence sensor: High sensitivity for iron(III) ions. Sensors and Actuators B: Chemical, 2015, 220, 1266-1278.	7.8	51
46	Imidazolium-supported benzotriazole: an efficient and recoverable activating reagent for amide, ester and thioester bond formation in water. RSC Advances, 2015, 5, 82199-82207.	3.6	6
47	Microwaveâ€Assisted Expedite Synthesis of 2â€Phenylimidazo[1,2â€a]pyridylquinoxalinâ€2(1H)â€ones. Journal of Heterocyclic Chemistry, 2015, 52, 773-779.	2.6	8
48	Microwave-Assisted Synthesis of Benzo-fused Seven-membered Azaheterocycles. Mini-Reviews in Organic Chemistry, 2014, 11, 55-72.	1.3	6
49	Estimation of ground and excited state dipole moments of synthesized coumarin derivative [N-(2-oxo-2H-chromen-4-yl)imino]triphenyl-phosphorane. Journal of Molecular Liquids, 2014, 200, 115-119.	4.9	13
50	Phytochemical investigation of Tabebuia palmeri. Chemistry of Natural Compounds, 2014, 49, 1039-1042.	0.8	4
51	A Novel Aminotetralin-Type Serotonin (5-HT) _{2C} Receptor-Specific Agonist and 5-HT_{2A} Competitive Antagonist/5-HT_{2B} Inverse Agonist with Preclinical Efficacy for Psychoses. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 310-318.	2.5	20
52	Synthesis and antimicrobial activity of novel bis-azaphenothiazines. Medicinal Chemistry Research, 2013, 22, 4459-4467.	2.4	9
53	Molecular and behavioral pharmacology of two novel orally-active 5HT2 modulators: Potential utility as antipsychotic medications. Neuropharmacology, 2013, 72, 274-281.	4.1	18
54	The Chemistry of N-Hydroxyamidoximes, N-Aminoamidoximes, and Hydrazidines. Chemical Reviews, 2012, 112, 1633-1649.	47.7	22

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55	Molecular determinants for ligand binding at serotonin 5â€HT_{2A} and 5â€HT_{2C} GPCRs: Experimental affinity results analyzed by molecular modeling and ligand docking studies. International Journal of Quantum Chemistry, 2012, 112, 3807-3814.	2.0	17
56	Carbene-Mediated Transformations of 1-(Benzylideneamino)benzimidazoles. Journal of Organic Chemistry, 2011, 76, 4082-4087.	3.2	20
57	Design and synthesis of spiro[indole-thiazolidine]spiro[indole-pyrans] as antimicrobial agents. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5465-5469.	2.2	90
58	Effect of filler loading on the mechanical properties of crosslinked 1,2,3â€triazole polymers. Journal of Applied Polymer Science, 2010, 118, 121-127.	2.6	14
59	Efficient Syntheses of Naphthoquinone-Dipeptides. Synthesis, 2010, 2010, 2011-2016.	2.3	12
60	Synthesis of Boltorn 1,2,3â€triazole dendrimers by click chemistry. Journal of Polymer Science Part A, 2009, 47, 3748-3756.	2.3	21
61	Gelation Behavior of 2H-Chromene N-Acylamino Acid Conjugates. Journal of Organic Chemistry, 2009, 74, 3062-3065.	3.2	23
62	Microwaveâ€Assisted Synthesis of 10â€(Phthalimidoalkyl)â€halosubstitutedpyrido [3,2â€b][1,4]â€benzothiazine in Dry Media. Synthetic Communications, 2007, 37, 4059-4069.	2.1	7
63	Novel Fluorinated Spiro [Indole-indazolyl-thiazolidine]-2,4â€²-diones: Design and Synthesis. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1829-1839.	1.6	13