

Anuj Sharma

List of Publications by Year in descending order

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papers

2,000
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218677

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289244

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2102
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#	ARTICLE	IF	CITATIONS
1	Visible-Light-Mediated C=C Functionalization and Deoxygenative Strategies in Heterocyclic N-Oxides. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2289-2306.	4.3	16
2	Photocatalytic Carbonylation Strategies: A Recent Trend in Organic Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 24-48.	3.2	52
3	Visible light-mediated applications of methylene blue in organic synthesis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1694-1718.	4.5	64
4	Visible light mediated functionalization of allenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5651-5667.	4.5	21
5	Visible-light-mediated synthesis of quinolines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1657-1676.	4.5	22
6	Visible Light Assisted Radical-Polar/Radical Crossover Reactions in Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3146-3169.	4.3	73
7	Visible Light-Induced Synthesis of Functionalized Coumarins. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3411-3438.	4.3	32
8	Visible Light Mediated Synthesis of Oxindoles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4284-4308.	4.3	38
9	Cyanation: a photochemical approach and applications in organic synthesis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3166-3200.	4.5	38
10	Photocatalytic and Photochemical Generation of Imidoyl Radicals: Synthetic Applications. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5196-5218.	4.3	29
11	Synthesis of Benzothiazoles via Photooxidative Decarboxylation of Keto Acids. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2232-2237.	4.3	34
12	Palladium-Catalyzed Regioselective C-H Arylation of Quinoline N-Oxides at C8 Position using Diaryliodonium Salts. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 660-667.	2.7	8
13	Ammonium Chloride Assisted Microwave Mediated Domino Multicomponent Reaction: An Efficient and Sustainable Synthesis of Quinazolin-4(3H)-imines under Solvent Free Condition. <i>ChemistrySelect</i> , 2019, 4, 10169-10173.	1.5	5
14	Urea-Catalysed Access to Novel Spirooxindole Benzopyrans via Domino Multicomponent Cascade: Approach Towards Sustainability. <i>ChemistrySelect</i> , 2019, 4, 6593-6597.	1.5	5
15	Visible-Light Mediated Photooxidative Synthesis of Keto Amides. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3554-3559.	4.3	23
16	Recent advances in photocatalytic manipulations of Rose Bengal in organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4384-4405.	2.8	108
17	Regioselective Synthesis of Functionalized 1,3-Thiazine-4-ones via Multicomponent Click Reaction Approach. <i>ChemistrySelect</i> , 2019, 4, 650-654.	1.5	4
18	Iodine/DMSO oxidations: a contemporary paradigm in C-N bond chemistry. <i>New Journal of Chemistry</i> , 2018, 42, 1551-1576.	2.8	63

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19	Thia-Michael Addition: An Emerging Strategy in Organic Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 634-661.	2.7	76
20	Water-Mediated One-Pot Three-Component Reaction to Bifunctionalized Thiadiazoloquinazolinone-Coumarin Hybrids: A Green Approach. <i>ChemistrySelect</i> , 2018, 3, 2837-2841.	1.5	12
21	Solvent-free synthesis and anticancer activity evaluation of benzimidazole and perimidine derivatives. <i>Molecular Diversity</i> , 2018, 22, 113-127.	3.9	18
22	DABCO-Catalysed One-Pot Eco-Friendly Synthetic Strategies for Accessing Pyranochromenone and Bis(benzochromenone) Compounds. <i>ChemistrySelect</i> , 2018, 3, 12830-12835.	1.5	11
23	Mechanochemical (Hand-Grinding) Assisted Domino Synthesis of Fused Pyran-Spirooxindoles under Solvent- and Catalyst-Free Condition. <i>ChemistrySelect</i> , 2018, 3, 11505-11509.	1.5	11
24	DABCO-Catalysed Amidation under Assistance of Aerial Oxidation: Access to α -ketoamides. <i>ChemistrySelect</i> , 2018, 3, 9617-9621.	1.5	10
25	A Regioselective Multicomponent Cascade to Access Thiosemicarbazone-fused Thiazinones: Scope, Structure Elucidation and Gram Scale Synthesis. <i>ChemistrySelect</i> , 2017, 2, 1386-1391.	1.5	9
26	A Multicomponent Strategy for the Regioselective Synthesis of [1,3]-Thiazinones from an Abundant Feedstock: Scope and Structural Elucidation. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 88-94.	2.7	10
27	Facile Construction of Imidazo-benzothiazoxazines by a Quick and Efficient van-Leusen Protocol. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 527-533.	2.7	14
28	Role of computational efficiency indices and pose clustering in effective decision making: An example of annulated furanones in Pf-DHFR space. <i>Computational Biology and Chemistry</i> , 2017, 67, 48-61.	2.3	2
29	Solvent free, catalyst free, microwave or grinding assisted synthesis of bis-cyclic imide derivatives and their evaluation for anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 501-504.	2.2	7
30	An easily accessible optical chemosensor for Cu ²⁺ based on novel imidazoazine framework, its performance characteristics and potential applications. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 365-375.	7.8	40
31	In-Silico Analysis of Imidazo[2,1-b][1,3,4]thiadiazole Analogs as Putative Mycobacterium tuberculosis Enoyl Reductase Inhibitors. <i>Current Drug Therapy</i> , 2017, 12, 46-63.	0.3	6
32	Solvent-Free Pot-, Atom- and Step-Economic Synthesis of Novel Benzo[<i>d</i>]thiazole-[1,3]-thiazine Hybrids in a One-Pot Reaction. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 763-769.	2.7	12
33	Isocyanide based [4+1] cycloaddition reactions: an indispensable tool in multi-component reactions (MCRs). <i>Chemical Communications</i> , 2016, 52, 6958-6976.	4.1	140
34	Vinyl Esters as Acetaldehyde Surrogates: Potential Utility in Some Common Multicomponent Sequences. <i>ChemistrySelect</i> , 2016, 1, 4672-4681.	1.5	1
35	Novel Furochromenone based Dual Channel Sensors for Selective Detection of Cu ²⁺ with Potential Applications in Sample Monitoring, Membrane Sensing and Photo-printing. <i>ChemistrySelect</i> , 2016, 1, 277-284.	1.5	11
36	A Rapid One-Pot Five Component Sequential Access to Novel Imidazo[2,1- <i>b</i>]thiazinyl- α -aminophosphonates. <i>ChemistrySelect</i> , 2016, 1, 434-439.	1.5	12

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37	Rapid Access to New Thiazepinyl and Oxazepinyl Phosphonates through a Green Pudovik Reaction. Asian Journal of Organic Chemistry, 2016, 5, 82-90.	2.7	18
38	A Four-Component Domino Reaction: An Eco-Compatible Access to Diversified Imidazo[2,1-b][1,3]thiazin-5-ones. Asian Journal of Organic Chemistry, 2016, 5, 91-97.	2.7	16
39	Silver-Catalyzed Cross-Dehydrogenative Coupling (CDC) Strategy for the Construction of Dialkyl/Dibenzyl Dibenzo[b,f][1,4]thiazepin-1-yl Phosphonates. Asian Journal of Organic Chemistry, 2016, 5, 1280-1287.	2.7	12
40	Assembly of New Heterocycles through an Effective Use of Bisaldehydes by Using a Sequential GBB/Ugi Reaction. Chemistry - an Asian Journal, 2016, 11, 2938-2945.	3.3	21
41	Structure property studies revealed a new indoylfuranone based bifunctional chemosensor for Cu ²⁺ and Al ³⁺ . Analytical Methods, 2016, 8, 7369-7379.	2.7	6
42	A multilayer screening approach toward the discovery of novel Pf-DHFR inhibitors. Computational Biology and Chemistry, 2016, 62, 36-46.	2.3	1
43	p-Toluenesulfonic Acid-Mediated Three-Component Reaction on Water-Protocol for the Synthesis of Novel Thiadiazolo[2,3-b]quinazolin-6(7H)-ones. Asian Journal of Organic Chemistry, 2016, 5, 120-126.	2.7	20
44	2-(Alkylamino)-3-aryloxy-7-dihydrobenzofuran-4(5H)-ones: Improved Synthesis and their Photophysical Properties. ChemistryOpen, 2015, 4, 626-632.	1.9	24
45	3D-QSAR Selectivity Analysis of 1-Adamantyl-3-Heteroaryl Urea Analogs as Potent Inhibitors of Mycobacterium tuberculosis. Current Computer-Aided Drug Design, 2015, 11, 164-183.	1.2	3
46	Arylsulfonylmethyl isocyanides: a novel paradigm in organic synthesis. RSC Advances, 2015, 5, 52769-52787.	3.6	64
47	Vinyl esters as effective acetaldehyde surrogates in [4 + 1] cycloaddition based multicomponent cascade. RSC Advances, 2015, 5, 53592-53603.	3.6	21
48	Rational design of the first furoquinolinol based molecular systems for easy detection of Cu ²⁺ with potential applications in the area of membrane sensing. RSC Advances, 2015, 5, 106030-106037.	3.6	13
49	A green, catalyst-free, solvent-free, high yielding one step synthesis of functionalized benzo[f]furo[3,2-c]chromen-4-(5H)-ones and furo[3,2-c]quinolin-4-(5H)-ones. RSC Advances, 2015, 5, 17087-17095.	3.6	37
50	Benzothiazepines: chemistry of a privileged scaffold. RSC Advances, 2015, 5, 70619-70639.	3.6	57
51	Microwave-assisted synthesis of benzenesulfonylhydrazide and benzenesulfonamide cyclic imide hybrid molecules and their evaluation for anticancer activity. Medicinal Chemistry Research, 2015, 24, 3760-3771.	2.4	6
52	Silica-Supported Glyoxylic Acid: A Traceless, Green Approach to the Groebke-Blackburn-Bienymc Reaction. Synlett, 2015, 26, 1403-1407.	1.8	7
53	A sequential synthetic strategy towards unexplored dibenzo[b,f][1,4]thiazepine carboxamides: copper catalysed C-S cyclisation followed by Ugi type 3CC cascade. RSC Advances, 2015, 5, 33067-33076.	3.6	30
54	Synthesis of acridine cyclic imide hybrid molecules and their evaluation for anticancer activity. Medicinal Chemistry Research, 2015, 24, 3272-3282.	2.4	15

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55	The first catalyst and solvent-free synthesis of 2-arylimidazo[2,1-b][1,3,4]thiadiazoles: a comparative assessment of greenness. <i>RSC Advances</i> , 2015, 5, 44353-44360.	3.6	42
56	The first vinyl acetate mediated organocatalytic transesterification of phenols: a step towards sustainability. <i>New Journal of Chemistry</i> , 2015, 39, 8329-8336.	2.8	27
57	Docking-based screening of natural product database in quest for dual site inhibitors of <i>Trypanosoma cruzi</i> trypanothione reductase (TcTR). <i>Medicinal Chemistry Research</i> , 2015, 24, 316-333.	2.4	5
58	Combined 3D-QSAR and molecular docking study for identification of diverse natural products as potent Pf ENR inhibitors. <i>Current Computer-Aided Drug Design</i> , 2015, 11, 245-257.	1.2	6
59	In silico docking studies of bioactive natural plant products as putative DHFR antagonists. <i>Medicinal Chemistry Research</i> , 2014, 23, 810-817.	2.4	13
60	In silico investigation of medicinal spectrum of imidazo-azines from the perspective of multitarget screening against malaria, tuberculosis and Chagas disease. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 50, 1-9.	2.4	9
61	A Regioselective and High-Yielding Method for Formaldehyde Inclusion in the 3CC Groebke-Blackburn-Bienaym [®] Reaction: One-Step Access to 3-Aminoimidazoazines. <i>Synlett</i> , 2011, 2011, 1407-1412.	1.8	5
62	A convenient synthetic route for alkynylselenides from alkynyl bromides and diaryl diselenides employing copper(I)/imidazole as novel catalyst system. <i>Tetrahedron Letters</i> , 2008, 49, 5172-5174.	1.4	34
63	Copper(I)-Catalyzed Efficient and Stereoselective Synthesis of (<i>E</i>)-Vinyl Selenides and Tellurides by the Reaction of Potassium Vinyltrifluoroborates with Diphenyl Dichalcogenides. <i>Organometallics</i> , 2008, 27, 4009-4012.	2.3	41
64	Microwave-Assisted Mild Conversion of Natural Dihydrotagetone into 5-Isobutyl-3-methyl-4,5-dihydro-2(3H)-furanone, an Analogue of Whisky Lactone. <i>Australian Journal of Chemistry</i> , 2007, 60, 124.	0.9	23
65	An efficient chemoselective strategy for the preparation of (<i>E</i>)-cinnamic esters from cinnamaldehydes using heterogeneous catalyst and DDQ. <i>Tetrahedron</i> , 2007, 63, 1000-1007.	1.9	25
66	One-pot two-step synthesis of 4-vinylphenols from 4-hydroxy substituted benzaldehydes under microwave irradiation: a new perspective on the classical Knoevenagel-Doebner reaction. <i>Tetrahedron</i> , 2007, 63, 960-965.	1.9	75
67	Remarkable synergism in methylimidazole-promoted decarboxylation of substituted cinnamic acid derivatives in basic water medium under microwave irradiation: a clean synthesis of hydroxylated (<i>E</i>)-stilbenes. <i>Tetrahedron</i> , 2007, 63, 7640-7646.	1.9	27
68	An unusual, mild and convenient one-pot two-step access to (<i>E</i>)-stilbenes from hydroxy-substituted benzaldehydes and phenylacetic acids under microwave activation: a new facet of the classical Perkin reaction. <i>Tetrahedron</i> , 2007, 63, 11070-11077.	1.9	65
69	Unexpected formation of aryl dialkyl carbinol as a side product from the reaction of methoxyarylaldehydes with Grignard reagents. <i>Tetrahedron</i> , 2006, 62, 847-851.	1.9	9
70	Efficient one-pot, two-step synthesis of (<i>E</i>)-cinnamaldehydes by dehydrogenation-oxidation of arylpropanes using DDQ under ultrasonic irradiation. <i>Tetrahedron</i> , 2006, 62, 2590-2593.	1.9	32
71	Solid-Supported Green Synthesis of Substituted Hydrocinnamic Esters by Focused Microwave Irradiation. <i>Helvetica Chimica Acta</i> , 2006, 89, 483-495.	1.6	13
72	A Chemoselective Hydrogenation of the Olefinic Bond of α,β -Unsaturated Carbonyl Compounds in Aqueous Medium under Microwave Irradiation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 354-360.	4.3	50

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73	Ultrasound-assisted convenient synthesis of hypolipidemic active natural methoxylated (E)-arylalkenes and arylalkanones. <i>Tetrahedron</i> , 2005, 61, 3075-3080.	1.9	30
74	A Microwave-Accelerated Esterification of α,β -Unsaturated Acids with Alkyl or Aryl Carbonochloridate and Triethylamine in Acetonitrile as a Novel Esterifying Reagent Mixture. <i>Helvetica Chimica Acta</i> , 2005, 88, 811-816.	1.6	13
75	Microwave- and ultrasound-assisted semisynthesis of natural methoxylated propiophenones from isomeric mixture of phenylpropenes in minutes. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1826-1832.	1.1	19
76	An Effective System to Synthesize Hypolipidemic Active \pm -Asarone and Related Methoxylated (E)-Arylalkenes. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 2231-2235.	3.2	11
77	A Rapid and Efficient Microwave-Assisted Synthesis of Substituted 3-Phenylpropionic Acids from Benzaldehydes in Minutes. <i>Chemistry Letters</i> , 2003, 32, 1186-1187.	1.3	18