

# Gopinathan Anilkumar

## List of Publications by Year in descending order

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125  
papers

3,366  
citations

159585

30  
h-index

189892

50  
g-index

128  
all docs

128  
docs citations

128  
times ranked

3037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-Catalyzed Asymmetric Epoxidation of Aromatic Alkenes Using Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7293-7296.	13.8	230
2	Recent advances and perspectives in copper-catalyzed Sonogashira coupling reactions. <i>RSC Advances</i> , 2014, 4, 21688-21698.	3.6	164
3	Recent advances and applications of Glaser coupling employing greener protocols. <i>RSC Advances</i> , 2014, 4, 27867-27887.	3.6	150
4	An efficient biomimetic Fe-catalyzed epoxidation of olefins using hydrogen peroxide. <i>Chemical Communications</i> , 2007, , 289-291.	4.1	148
5	Biomimetic Iron-Catalyzed Asymmetric Epoxidation of Aromatic Alkenes by Using Hydrogen Peroxide. <i>Chemistry - A European Journal</i> , 2008, 14, 7687-7698.	3.3	130
6	Ruthenium-Catalyzed Asymmetric Epoxidation of Olefins Using H <sub>2</sub> O <sub>2</sub> , Part II: Catalytic Activities and Mechanism. <i>Chemistry - A European Journal</i> , 2006, 12, 1875-1888.	3.3	96
7	Recent developments and applications of the Cadiot-Chodkiewicz reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6891-6905.	2.8	93
8	Cobalt-catalyzed C-H activation: recent progress in heterocyclic chemistry. <i>Catalysis Science and Technology</i> , 2018, 8, 5983-6018.	4.1	90
9	Recent advances and prospects in nickel-catalyzed C-H activation. <i>Catalysis Science and Technology</i> , 2019, 9, 1726-1743.	4.1	81
10	Recent Developments and Perspectives in the Asymmetric Mannich Reaction. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 613-633.	2.7	73
11	Recent advances and perspectives in the manganese-catalysed epoxidation reactions. <i>Tetrahedron</i> , 2016, 72, 1-16.	1.9	58
12	Manganese-Catalysed Dehydrogenative Coupling - An Overview. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1602-1650.	4.3	58
13	Recent advances and applications of <i>p</i> -toluenesulfonylmethyl isocyanide (TosMIC). <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6735-6747.	2.8	57
14	A general and inexpensive protocol for the Cu-catalyzed C-S cross-coupling reaction between aryl halides and thiols. <i>Tetrahedron Letters</i> , 2015, 56, 6560-6564.	1.4	41
15	Recent advances in the transition metal catalyzed etherification reactions. <i>Tetrahedron</i> , 2016, 72, 7393-7407.	1.9	41
16	Microwave assisted synthesis of five membered nitrogen heterocycles. <i>RSC Advances</i> , 2020, 10, 36031-36041.	3.6	41
17	Palladium-catalyzed multicomponent reactions: an overview. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8048-8061.	2.8	40
18	Recent Trends in Iron-Catalyzed Reactions towards the Synthesis of Nitrogen-Containing Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2236-2249.	4.3	40

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19	Progress and prospects in copper-catalyzed C–H functionalization. RSC Advances, 2020, 10, 34429-34458.	3.6	40
20	A novel and efficient zinc-catalyzed thioetherification of aryl halides. RSC Advances, 2015, 5, 32675-32678.	3.6	39
21	Recent advances and prospects in the metal-free synthesis of quinolines. Organic and Biomolecular Chemistry, 2020, 18, 9775-9790.	2.8	38
22	Recent advances and prospects in the palladium-catalyzed cyanation of aryl halides. RSC Advances, 2020, 10, 33683-33699.	3.6	38
23	Recent developments and perspectives in the copper-catalyzed multicomponent synthesis of heterocycles. RSC Advances, 2021, 11, 3452-3469.	3.6	38
24	Recent Advances and Perspectives in the Synthesis of Heterocycles via Zinc Catalysis. Advanced Synthesis and Catalysis, 2019, 361, 382-404.	4.3	37
25	Recent Trends and Prospects in Homogeneous Manganese-Catalysed Epoxidation. Advanced Synthesis and Catalysis, 2021, 363, 1272-1289.	4.3	37
26	Transition metal-catalyzed synthesis of spirooxindoles. RSC Advances, 2021, 11, 7146-7179.	3.6	37
27	Nickel catalysts in Sonogashira coupling reactions. Organic and Biomolecular Chemistry, 2021, 19, 4228-4242.	2.8	36
28	Recent advances and perspectives in manganese-catalyzed C–H activation. Catalysis Science and Technology, 2021, 11, 444-458.	4.1	36
29	An overview of Zn-catalyzed enantioselective aldol type C–C bond formation. RSC Advances, 2015, 5, 62179-62193.	3.6	34
30	An efficient iron-catalyzed S-arylation of aryl and alkylthiols with aryl halides in the presence of water under aerobic conditions. Tetrahedron Letters, 2015, 56, 4923-4926.	1.4	34
31	Applications of Pybox Complexes in Asymmetric Catalysis. Asian Journal of Organic Chemistry, 2018, 7, 1033-1053.	2.7	33
32	Recent Advances and Perspectives in the Copper-Catalysed Amination of Aryl and Heteroaryl Halides. ChemistrySelect, 2020, 5, 736-753.	1.5	32
33	Synthesis of substituted benzofurans and indoles by Zn-catalyzed tandem Sonogashira-cyclization strategy. Tetrahedron Letters, 2017, 58, 536-540.	1.4	31
34	Copper-Catalysed Multicomponent Syntheses of Heterocycles. Asian Journal of Organic Chemistry, 2019, 8, 197-233.	2.7	31
35	Advances and Prospects in Gold-Catalyzed C–H Activation. Asian Journal of Organic Chemistry, 2020, 9, 144-161.	2.7	31
36	Recent Advances in Microwave Assisted Multicomponent Reactions. ChemistrySelect, 2020, 5, 5180-5197.	1.5	29

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37	Novel one step synthesis of imidazo[1,2-a]pyridines and Zolimidine via iron/iodine-catalyzed Ortoleva-King type protocol. <i>Tetrahedron Letters</i> , 2019, 60, 150950.	1.4	28
38	Recent Advances and Perspectives on the Zinc-catalyzed Nitroaldol (Henry) Reaction. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1349-1360.	2.7	27
39	Iron-catalyzed Sonogashira Type Cross-coupling Reaction of Aryl Iodides with Terminal Alkynes in Water under Aerobic Conditions. <i>ChemistrySelect</i> , 2016, 1, 556-559.	1.5	26
40	Recent trends and applications of the Cadiot-Chodkiewicz reaction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9081-9094.	2.8	26
41	Cyclodextrin based palladium catalysts for Suzuki reaction: An overview. <i>Carbohydrate Research</i> , 2020, 489, 107954.	2.3	26
42	Recent Advances and Prospects of Organic Reactions "On Water". <i>ChemistrySelect</i> , 2019, 4, 12337-12355.	1.5	25
43	Goldberg Reaction: Development, Mechanistic Insights and Applications. <i>Mini-Reviews in Organic Chemistry</i> , 2014, 12, 3-23.	1.3	24
44	Recent developments and perspectives in the ruthenium-catalyzed olefin epoxidation. <i>Tetrahedron</i> , 2016, 72, 6175-6190.	1.9	24
45	Recent Developments and Perspectives in the Zinc-catalysed Michael Addition. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 85-102.	2.7	24
46	Recent Trends in the Silver-catalyzed Synthesis of Nitrogen Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4625-4644.	4.3	24
47	Recent advances and prospects in the nickel-catalyzed cyanation. <i>Journal of Organometallic Chemistry</i> , 2020, 920, 121337.	1.8	24
48	Recent Trends in the Iron-catalyzed Cyanation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4543-4551.	4.3	23
49	A green approach for arylation of phenols using iron catalysis in water under aerobic conditions. <i>Journal of Catalysis</i> , 2017, 348, 146-150.	6.2	22
50	Recent advances in the iron-catalysed multicomponent reactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5991.	3.5	22
51	An efficient zinc-catalyzed cross-coupling reaction of aryl iodides with terminal aromatic alkynes. <i>Tetrahedron Letters</i> , 2015, 56, 5525-5528.	1.4	21
52	Palladium-catalyzed cross-coupling reactions of coumarin derivatives: An overview. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5983.	3.5	21
53	Copper-catalyzed Cross-Dehydrogenative Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1776-1808.	2.4	21
54	Solvent-free synthesis of propargylamines: an overview. <i>RSC Advances</i> , 2021, 11, 19433-19449.	3.6	21

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55	Recent Advances in the Chemistry of Masked <i>ortho</i> -Benzoquinones and Their Applications in Organic Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 945-966.	2.7	20
56	A novel catalyst-free mechanochemical protocol for the synthesis of 2,3-dihydro-1 <i>H</i> -perimidines. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2037-2043.	2.6	20
57	A novel catalyst-free, eco-friendly, on water protocol for the synthesis of 2,3-dihydro-1 <i>H</i> -perimidines. <i>Tetrahedron Letters</i> , 2019, 60, 150946.	1.4	19
58	A novel zinc-catalyzed Suzuki-type cross-coupling reaction of aryl boronic acids with alkynyl bromides. <i>Journal of Catalysis</i> , 2019, 372, 266-271.	6.2	19
59	Ligand-Free Cu-Catalyzed Suzuki Coupling of Alkynyl Bromides with Boronic Acids in Ethanol Under Microwave Irradiation. <i>ChemistrySelect</i> , 2019, 4, 1019-1022.	1.5	18
60	Recent studies in Suzuki-Miyaura cross-coupling reactions with the aid of phase transfer catalysts. <i>Journal of Organometallic Chemistry</i> , 2020, 927, 121538.	1.8	18
61	Recent developments in the metal catalysed cross-coupling reactions for the synthesis of the enone system of chalcones. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5987.	3.5	18
62	A Novel Protocol for the Cu-Catalyzed Sonogashira Coupling Reaction between Aryl Halides and Terminal Alkynes using <i>trans</i> -1,2-Diaminocyclohexane Ligand. <i>ChemistrySelect</i> , 2016, 1, 3938-3941.	1.5	17
63	Zinc-Catalysed Multi-Component Reactions: An Overview. <i>ChemistrySelect</i> , 2020, 5, 1054-1070.	1.5	17
64	Silver-catalyzed pyrrole synthesis: An overview. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6141.	3.5	17
65	Applications of <i>tert</i> -butanesulfinamide in the synthesis of N-heterocycles via sulfinimines. <i>RSC Advances</i> , 2020, 10, 42441-42456.	3.6	16
66	An Overview of Ag-catalyzed Synthesis of Six-membered Heterocycles. <i>ChemCatChem</i> , 2020, 12, 5330-5358.	3.7	16
67	Palladium-Catalyzed C <sup>1</sup> P Bond Forming Reactions: An Overview. <i>ChemistrySelect</i> , 2021, 6, 1579-1588.	1.5	16
68	Experimental and Mechanistic Exploration of Zn-Catalyzed Sonogashira-type Cross-Coupling Reactions. <i>ChemistrySelect</i> , 2016, 1, 3405-3412.	1.5	15
69	Cobalt-Catalyzed Multi-Component Reactions: Recent Advances and Perspectives in Organic Synthesis. <i>ChemistrySelect</i> , 2020, 5, 7400-7416.	1.5	15
70	An Overview of Rhodium-Catalysed Multi-Component Reactions. <i>ChemistrySelect</i> , 2020, 5, 898-915.	1.5	15
71	Recent advances and prospects in the iron-catalyzed trifluoromethylation reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 4690-4701.	4.1	15
72	Recent advances and prospects in the Zn-catalysed Mannich reaction. <i>RSC Advances</i> , 2021, 11, 9098-9111.	3.6	15

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73	Recent Advances on Nâ€Heterocyclic Carbeneâ€Palladiumâ€catalyzed Heck Reaction. ChemistrySelect, 2022, 7, .	1.5	15
74	Lowâ€Cost Transition Metalâ€Catalyzed Heckâ€Type Reactions: An Overview. European Journal of Organic Chemistry, 2022, 2022, .	2.4	14
75	Zincâ€Catalyzed Etherification Reaction of Aryl Iodides with Phenols. ChemistrySelect, 2018, 3, 3984-3988.	1.5	12
76	Ultrasound irradiation in heterocycle synthesis: An overview. Journal of Heterocyclic Chemistry, 2021, 58, 1570-1580.	2.6	12
77	Asymmetric Synthesis Using Sulfinimines (N-Sulfinyl Imines). Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1109-1117.	1.6	11
78	Oneâ€Pot Synthesis of Benzofurans via Cuâ€Catalyzed Tandem Sonogashira Couplingâ€Cyclization Reactions. ChemistrySelect, 2019, 4, 5544-5547.	1.5	11
79	Recent Advances and Prospects in the Tishchenko Reaction. ChemistrySelect, 2020, 5, 754-763.	1.5	11
80	An Overview of Microwaveâ€Assisted Kabachnikâ€Fields Reactions. ChemistrySelect, 2020, 5, 4422-4436.	1.5	11
81	Silver-catalysed Câ€H bond activation: a recent review. New Journal of Chemistry, 2021, 45, 15718-15738.	2.8	11
82	Recent Advances in the Creation of Asymmetric Carbon Centre(s) by Generation of Carbonâ€Heteroatom Bond(s) Using Metalâ€Pybox Complexes. Asian Journal of Organic Chemistry, 2018, 7, 2338-2356.	2.7	10
83	An overview of palladiumâ€catalyzed synthesis of sevenâ€membered heterocycles. Journal of Heterocyclic Chemistry, 2021, 58, 673-684.	2.6	10
84	Theoretical investigation into the mechanism of copper-catalyzed Sonogashira coupling using trans-1,2-diamino cyclohexane ligand. Polyhedron, 2021, 193, 114869.	2.2	10
85	Recent advances and trends in the biomimetic ironâ€catalyzed asymmetric epoxidation. Applied Organometallic Chemistry, 2021, 35, e6217.	3.5	10
86	An overview of ironâ€catalyzed Nâ€alkylation reactions. Applied Organometallic Chemistry, 2021, 35, e6444.	3.5	10
87	Recent Developments and Perspectives in the C-Se Cross Coupling Reactions. Current Organic Chemistry, 2020, 24, 1230-1262.	1.6	10
88	Applications of aryl-sulfinamides in the synthesis of N-heterocycles. RSC Advances, 2021, 11, 20591-20600.	3.6	9
89	Recent Advances and Perspectives in the Silver-catalyzed Multi-component Reactions. Current Organic Chemistry, 2020, 24, 291-313.	1.6	9
90	Novel cobalt-valine catalyzed O-arylation of phenols with electron deficient aryl iodides. Monatshefte F¼r Chemie, 2019, 150, 339-346.	1.8	8

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91	A convenient route to 1,3-diyne using ligand-free Cadiot-Chodkiewicz coupling reaction at room temperature under aerobic conditions. <i>Synthetic Communications</i> , 2019, 49, 256-265.	2.1	8
92	Synthesis and Applications of Imidazothiazoles: An Overview. <i>ChemistrySelect</i> , 2020, 5, 10374-10386.	1.5	8
93	Copper-catalyzed <i>N</i> -arylation of pyrroles: an overview. <i>New Journal of Chemistry</i> , 2021, 45, 17061-17076.	2.8	8
94	Recent Trends and Prospects in the Copper-Catalysed $\alpha$ -Cyanon Water-Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1559-1582.	4.3	8
95	A Comprehensive Overview of Perimidines: Synthesis, Chemical Transformations, and Applications. <i>Current Organic Chemistry</i> , 2021, 25, 248-271.	1.6	8
96	Recent Advances in the Synthesis of Pyrazole Derivatives. <i>Current Organic Synthesis</i> , 2021, 18, 197-213.	1.3	8
97	Advances in non-palladium-catalysed Stille couplings. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6430.	3.5	8
98	A solvent-free manganese(II)-catalyzed Clauson-Kas protocol for the synthesis of <i>N</i> -aryl pyrroles under microwave irradiation. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 194-200.	2.6	8
99	A Novel Ligand-free Manganese-catalyzed C=O Coupling Protocol for the Synthesis of Biaryl Ethers. <i>ChemistrySelect</i> , 2019, 4, 5150-5154.	1.5	7
100	Recent advances in the rhodium-catalyzed cyanation reactions. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6340.	3.5	7
101	Manganese-catalyzed amination reactions: An overview. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6421.	3.5	7
102	Microwave-assisted Amination Reactions: An Overview. <i>Current Organic Chemistry</i> , 2020, 24, 2235-2255.	1.6	7
103	Recent Advances and Prospects in the Chemistry of $\alpha$ -Benzoquinones. <i>ChemistrySelect</i> , 2019, 4, 9124-9134.	1.5	5
104	Ligand- and Base-Free Cu-Catalyzed C <sup>3</sup> -N Coupling of Aminoquinolines with Boronic Acids. <i>ChemistrySelect</i> , 2021, 6, 6847-6850.	1.5	5
105	Nickel-catalysed fluoromethylation reactions. <i>Catalysis Science and Technology</i> , 0, , .	4.1	5
106	Sonochemistry in Transition Metal Catalyzed Cross-coupling Reactions: Recent Developments. <i>Current Organic Chemistry</i> , 2020, 23, 3137-3153.	1.6	5
107	An Overview of Iridium-Catalyzed Allylic Amination Reactions. <i>ChemistrySelect</i> , 2021, 6, 10127-10140.	1.5	5
108	An Overview of Silver-Catalyzed Mannich Reactions. <i>ChemistrySelect</i> , 2021, 6, 11162-11176.	1.5	5

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109	Palladium-catalyzed difluoromethylation and difluoroalkylation reactions: An overview. Applied Organometallic Chemistry, 2022, 36, e6503.	3.5	5
110	Recent developments and trends in the iron- and cobalt-catalyzed Sonogashira reactions. Beilstein Journal of Organic Chemistry, 2022, 18, 262-285.	2.2	5
111	Nickel-Catalysed Amination of Arenes and Heteroarenes. European Journal of Organic Chemistry, 2022, .	2.4	5
112	A novel eco-friendly on-water protocol for the synthesis of 2,2-disubstituted 2,3-dihydro-1 <i>H</i> -perimidines. Journal of Heterocyclic Chemistry, 2021, 58, 375-381.	2.6	4
113	An overview of microwave assisted cyanation reactions. Applied Organometallic Chemistry, 2021, 35, e6356.	3.5	4
114	Recent advances and perspectives in ruthenium-catalyzed cyanation reactions. Beilstein Journal of Organic Chemistry, 2022, 18, 37-52.	2.2	4
115	Recent Advances and Prospects in the Amination of Benzoxazoles. ChemistrySelect, 2022, 7, .	1.5	4
116	Microwave assisted C-H activation reaction: An overview. Tetrahedron, 2022, 105, 132614.	1.9	3
117	Novel synthesis of 2-Aminothiazoles via Fe(III)-Iodine-catalyzed Hantzsch-type condensation. Journal of Heterocyclic Chemistry, 2021, 58, 646-653.	2.6	2
118	Recent Advances in the Microwave Assisted Synthesis of Benzofuran and Indole Derivatives. Heterocycles, 2021, 103, 65.	0.7	2
119	Recent advances and prospects in the cobalt-catalyzed amination reactions. Tetrahedron, 2022, 104, 132582.	1.9	2
120	An Overview of the One-pot Synthesis of Imidazolines. Current Organic Chemistry, 2020, 24, 2341-2355.	1.6	2
121	Palladium-Catalyzed Aminocarbonylation of Aryl Halides. Current Organic Synthesis, 2023, 20, 308-331.	1.3	2
122	Copper-Catalyzed N-Arylation of Indoles. Current Organic Chemistry, 2022, 26, 857-886.	1.6	2
123	A detailed theoretical investigation to unravel the molecular mechanism of the ligand-free copper-catalyzed Suzuki cross-coupling reaction. Organic and Biomolecular Chemistry, 2022, , .	2.8	1
124	Advances and perspectives in the rhodium catalyzed reductive amination reactions. Journal of Organometallic Chemistry, 2022, 965-966, 122332.	1.8	1
125	An Overview of the One-pot Synthesis of Imidazolines. Current Organic Chemistry, 2020, 24, 2341-2355.	1.6	0