

# 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	Palladium-Catalyzed Aminocarbonylation of Aryl Halides. <i>Current Organic Synthesis</i> , 2023, 20, 308-331.	1.3	2
2	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
3	Palladium-catalyzed difluoromethylation and difluoroalkylation reactions: An overview. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6503.	3.5	5
4	Recent advances and prospects in the cobalt-catalyzed amination reactions. <i>Tetrahedron</i> , 2022, 104, 132582.	1.9	2
5	Microwave assisted C-H activation reaction: An overview. <i>Tetrahedron</i> , 2022, 105, 132614.	1.9	3
6	Recent Advances on <i>N</i> -Heterocyclic Carbene-Palladium-catalyzed Heck Reaction. <i>ChemistrySelect</i> , 2022, 7, .	1.5	15
7	Recent advances and perspectives in ruthenium-catalyzed cyanation reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 37-52.	2.2	4
8	Low-Cost Transition Metal-Catalyzed Heck-Type Reactions: An Overview. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	14
9	A detailed theoretical investigation to unravel the molecular mechanism of the ligand-free copper-catalyzed Suzuki cross-coupling reaction. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	1
10	Recent developments and trends in the iron- and cobalt-catalyzed Sonogashira reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 262-285.	2.2	5
11	Recent Advances and Prospects in the Amination of Benzoxazoles. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
12	Advances and perspectives in the rhodium catalyzed reductive amination reactions. <i>Journal of Organometallic Chemistry</i> , 2022, 965-966, 122332.	1.8	1
13	Nickel-Catalysed Amination of Arenes and Heteroarenes. <i>European Journal of Organic Chemistry</i> , 2022, , .	2.4	5
14	Copper-Catalyzed N-Arylation of Indoles. <i>Current Organic Chemistry</i> , 2022, 26, 857-886.	1.6	2
15	An overview of palladium-catalyzed synthesis of seven-membered heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 673-684.	2.6	10
16	Theoretical investigation into the mechanism of copper-catalyzed Sonogashira coupling using trans-1,2-diamino cyclohexane ligand. <i>Polyhedron</i> , 2021, 193, 114869.	2.2	10
17	Novel synthesis of 2-aminothiazoles via Fe(III)-iodine-catalyzed Hantzsch-type condensation. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 646-653.	2.6	2
18	A novel eco-friendly on-water protocol for the synthesis of 2,2-disubstituted 2,3-dihydro-1 <i>H</i> -perimidines. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 375-381.	2.6	4

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19	Recent Trends and Prospects in Homogeneous Manganese-Catalysed Epoxidation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1272-1289.	4.3	37
20	Recent advances and prospects in the iron-catalyzed trifluoromethylation reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 4690-4701.	4.1	15
21	Nickel catalysts in Sonogashira coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4228-4242.	2.8	36
22	Silver-catalysed C-H bond activation: a recent review. <i>New Journal of Chemistry</i> , 2021, 45, 15718-15738.	2.8	11
23	Copper-catalyzed <i>N</i> -arylation of pyrroles: an overview. <i>New Journal of Chemistry</i> , 2021, 45, 17061-17076.	2.8	8
24	Recent advances and perspectives in manganese-catalyzed C-H activation. <i>Catalysis Science and Technology</i> , 2021, 11, 444-458.	4.1	36
25	Applications of aryl-sulfinamides in the synthesis of N-heterocycles. <i>RSC Advances</i> , 2021, 11, 20591-20600.	3.6	9
26	Recent advances and prospects in the Zn-catalysed Mannich reaction. <i>RSC Advances</i> , 2021, 11, 9098-9111.	3.6	15
27	Silver-catalyzed pyrrole synthesis: An overview. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6141.	3.5	17
28	Transition metal-catalyzed synthesis of spirooxindoles. <i>RSC Advances</i> , 2021, 11, 7146-7179.	3.6	37
29	Palladium-Catalyzed C-P Bond Forming Reactions: An Overview. <i>ChemistrySelect</i> , 2021, 6, 1579-1588.	1.5	16
30	Recent Trends and Prospects in the Copper-Catalysed $\alpha$ -Cyan Water-Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1559-1582.	4.3	8
31	A Comprehensive Overview of Perimidines: Synthesis, Chemical Transformations, and Applications. <i>Current Organic Chemistry</i> , 2021, 25, 248-271.	1.6	8
32	Recent advances and trends in the biomimetic iron-catalyzed asymmetric epoxidation. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6217.	3.5	10
33	Copper-Catalyzed Cross-Dehydrogenative Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1776-1808.	2.4	21
34	Recent Advances in the Synthesis of Pyrazole Derivatives. <i>Current Organic Synthesis</i> , 2021, 18, 197-213.	1.3	8
35	Ultrasound irradiation in heterocycle synthesis: An overview. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1570-1580.	2.6	12
36	Recent advances in the rhodium-catalyzed cyanation reactions. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6340.	3.5	7

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37	Ligand- and Base-Free Cu-Catalyzed C-N Coupling of Aminoquinolines with Boronic Acids. <i>ChemistrySelect</i> , 2021, 6, 6847-6850.	1.5	5
38	An overview of microwave assisted cyanation reactions. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6356.	3.5	4
39	Advances in non-palladium-catalysed Stille couplings. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6430.	3.5	8
40	Manganese-catalyzed amination reactions: An overview. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6421.	3.5	7
41	An overview of iron-catalyzed N-alkylation reactions. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6444.	3.5	10
42	Recent developments and perspectives in the copper-catalyzed multicomponent synthesis of heterocycles. <i>RSC Advances</i> , 2021, 11, 3452-3469.	3.6	38
43	Solvent-free synthesis of propargylamines: an overview. <i>RSC Advances</i> , 2021, 11, 19433-19449.	3.6	21
44	Recent Advances in the Microwave Assisted Synthesis of Benzofuran and Indole Derivatives. <i>Heterocycles</i> , 2021, 103, 65.	0.7	2
45	An Overview of Iridium-Catalyzed Allylic Amination Reactions. <i>ChemistrySelect</i> , 2021, 6, 10127-10140.	1.5	5
46	An Overview of Silver-Catalyzed Mannich Reactions. <i>ChemistrySelect</i> , 2021, 6, 11162-11176.	1.5	5
47	Microwave assisted synthesis of five membered nitrogen heterocycles. <i>RSC Advances</i> , 2020, 10, 36031-36041.	3.6	41
48	Recent advances and prospects in the metal-free synthesis of quinolines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9775-9790.	2.8	38
49	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
50	Recent advances in the iron-catalysed multicomponent reactions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5991.	3.5	22
51	Synthesis and Applications of Imidazothiazoles: An Overview. <i>ChemistrySelect</i> , 2020, 5, 10374-10386.	1.5	8
52	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
53	Progress and prospects in copper-catalyzed C-H functionalization. <i>RSC Advances</i> , 2020, 10, 34429-34458.	3.6	40
54	Recent Trends in the Iron-Catalyzed Cyanation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4543-4551.	4.3	23

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55	Palladium-catalyzed cross-coupling reactions of coumarin derivatives: An overview. Applied Organometallic Chemistry, 2020, 34, e5983.	3.5	21
56	Recent developments in the metal catalysed cross-coupling reactions for the synthesis of the enone system of chalcones. Applied Organometallic Chemistry, 2020, 34, e5987.	3.5	18
57	Recent advances and prospects in the palladium-catalyzed cyanation of aryl halides. RSC Advances, 2020, 10, 33683-33699.	3.6	38
58	Recent Advances in Microwave Assisted Multicomponent Reactions. ChemistrySelect, 2020, 5, 5180-5197.	1.5	29
59	Cobalt-Catalyzed Multi-Component Reactions: Recent Advances and Perspectives in Organic Synthesis. ChemistrySelect, 2020, 5, 7400-7416.	1.5	15
60	An Overview of Ag-catalyzed Synthesis of Six-membered Heterocycles. ChemCatChem, 2020, 12, 5330-5358.	3.7	16
61	Cyclodextrin based palladium catalysts for Suzuki reaction: An overview. Carbohydrate Research, 2020, 489, 107954.	2.3	26
62	Advances and Prospects in Gold-Catalyzed C-H Activation. Asian Journal of Organic Chemistry, 2020, 9, 144-161.	2.7	31
63	Recent Advances and Perspectives in the Copper-Catalysed Amination of Aryl and Heteroaryl Halides. ChemistrySelect, 2020, 5, 736-753.	1.5	32
64	Manganese-Catalysed Dehydrogenative Coupling – An Overview. Advanced Synthesis and Catalysis, 2020, 362, 1602-1650.	4.3	58
65	Recent Advances and Prospects in the Tishchenko Reaction. ChemistrySelect, 2020, 5, 754-763.	1.5	11
66	Zinc-Catalysed Multi-Component Reactions: An Overview. ChemistrySelect, 2020, 5, 1054-1070.	1.5	17
67	A novel catalyst-free mechanochemical protocol for the synthesis of 2,3-dihydroperimidines. Journal of Heterocyclic Chemistry, 2020, 57, 2037-2043.	2.6	20
68	An Overview of Rhodium-Catalysed Multi-Component Reactions. ChemistrySelect, 2020, 5, 898-915.	1.5	15
69	An Overview of Microwave-Assisted Kabachnik-Fields Reactions. ChemistrySelect, 2020, 5, 4422-4436.	1.5	11
70	Recent advances and prospects in the nickel-catalyzed cyanation. Journal of Organometallic Chemistry, 2020, 920, 121337.	1.8	24
71	Sonochemistry in Transition Metal Catalyzed Cross-coupling Reactions: Recent Developments. Current Organic Chemistry, 2020, 23, 3137-3153.	1.6	5
72	Recent Advances and Perspectives in the Silver-catalyzed Multi-component Reactions. Current Organic Chemistry, 2020, 24, 291-313.	1.6	9

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73	Recent Developments and Perspectives in the C-Se Cross Coupling Reactions. <i>Current Organic Chemistry</i> , 2020, 24, 1230-1262.	1.6	10
74	Microwave-assisted Amination Reactions: An Overview. <i>Current Organic Chemistry</i> , 2020, 24, 2235-2255.	1.6	7
75	An Overview of the One-pot Synthesis of Imidazolines. <i>Current Organic Chemistry</i> , 2020, 24, 2341-2355.	1.6	0
76	An Overview of the One-pot Synthesis of Imidazolines. <i>Current Organic Chemistry</i> , 2020, 24, 2341-2355.	1.6	2
77	Recent Advances and Perspectives in the Synthesis of Heterocycles <i>via</i> Zinc Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 382-404.	4.3	37
78	Palladium-catalyzed multicomponent reactions: an overview. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8048-8061.	2.8	40
79	Recent Advances and Prospects in the Chemistry of <i>o</i> -Benzoquinones. <i>ChemistrySelect</i> , 2019, 4, 9124-9134.	1.5	5
80	A novel catalyst-free, eco-friendly, on water protocol for the synthesis of 2,3-dihydro-1H-perimidines. <i>Tetrahedron Letters</i> , 2019, 60, 150946.	1.4	19
81	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
82	Recent Advances and Prospects of Organic Reactions <i>On Water</i> . <i>ChemistrySelect</i> , 2019, 4, 12337-12355.	1.5	25
83	Novel cobalt-valine catalyzed O-arylation of phenols with electron deficient aryl iodides. <i>Monatshefte für Chemie</i> , 2019, 150, 339-346.	1.8	8
84	A convenient route to 1,3-diynes using ligand-free Cadiot-Chodkiewicz coupling reaction at room temperature under aerobic conditions. <i>Synthetic Communications</i> , 2019, 49, 256-265.	2.1	8
85	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
86	One-Pot Synthesis of Benzofurans via Cu-Catalyzed Tandem Sonogashira Coupling-Cyclization Reactions. <i>ChemistrySelect</i> , 2019, 4, 5544-5547.	1.5	11
87	Recent advances and applications of <i>p</i> -toluenesulfonylmethyl isocyanide (TosMIC). <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6735-6747.	2.8	57
88	Recent Trends in the Silver-Catalyzed Synthesis of Nitrogen Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4625-4644.	4.3	24
89	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
90	Recent advances and prospects in nickel-catalyzed C-H activation. <i>Catalysis Science and Technology</i> , 2019, 9, 1726-1743.	4.1	81

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91	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
92	Copper-catalysed Multicomponent Syntheses of Heterocycles. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 197-233.	2.7	31
93	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
94	Recent trends and applications of the Cadiot-Chodkiewicz reaction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9081-9094.	2.8	26
95	Zinc-catalyzed Etherification Reaction of Aryl Iodides with Phenols. <i>ChemistrySelect</i> , 2018, 3, 3984-3988.	1.5	12
96	Applications of Pybox Complexes in Asymmetric Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1033-1053.	2.7	33
97	Recent Developments and Perspectives in the Asymmetric Mannich Reaction. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 613-633.	2.7	73
98	Recent Developments and Perspectives in the Zinc-catalysed Michael Addition. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 85-102.	2.7	24
99	Cobalt-catalyzed C-H activation: recent progress in heterocyclic chemistry. <i>Catalysis Science and Technology</i> , 2018, 8, 5983-6018.	4.1	90
100	Recent Advances in the Creation of Asymmetric Carbon Centre(s) by Generation of Carbon-Heteroatom Bond(s) Using Metal-Pybox Complexes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2338-2356.	2.7	10
101	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
102	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
103	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
104	Synthesis of substituted benzofurans and indoles by Zn-catalyzed tandem Sonogashira-cyclization strategy. <i>Tetrahedron Letters</i> , 2017, 58, 536-540.	1.4	31
105	Recent advances in the transition metal catalyzed etherification reactions. <i>Tetrahedron</i> , 2016, 72, 7393-7407.	1.9	41
106	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
107	Recent developments and perspectives in the ruthenium-catalyzed olefin epoxidation. <i>Tetrahedron</i> , 2016, 72, 6175-6190.	1.9	24
108	Experimental and Mechanistic Exploration of Zn-catalyzed Sonogashira-type Cross-coupling Reactions. <i>ChemistrySelect</i> , 2016, 1, 3405-3412.	1.5	15

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109	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
110	Recent advances and perspectives in the manganese-catalysed epoxidation reactions. <i>Tetrahedron</i> , 2016, 72, 1-16.	1.9	58
111	An overview of Zn-catalyzed enantioselective aldol type C-C bond formation. <i>RSC Advances</i> , 2015, 5, 62179-62193.	3.6	34
112	An efficient iron-catalyzed S-arylation of aryl and alkylthiols with aryl halides in the presence of water under aerobic conditions. <i>Tetrahedron Letters</i> , 2015, 56, 4923-4926.	1.4	34
113	A novel and efficient zinc-catalyzed thioetherification of aryl halides. <i>RSC Advances</i> , 2015, 5, 32675-32678.	3.6	39
114	Recent developments and applications of the Cadiot-Chodkiewicz reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6891-6905.	2.8	93
115	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
116	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
117	Goldberg Reaction: Development, Mechanistic Insights and Applications. <i>Mini-Reviews in Organic Chemistry</i> , 2014, 12, 3-23.	1.3	24
118	Recent advances and applications of Glaser coupling employing greener protocols. <i>RSC Advances</i> , 2014, 4, 27867-27887.	3.6	150
119	Recent advances and perspectives in copper-catalyzed Sonogashira coupling reactions. <i>RSC Advances</i> , 2014, 4, 21688-21698.	3.6	164
120	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
121	An efficient biomimetic Fe-catalyzed epoxidation of olefins using hydrogen peroxide. <i>Chemical Communications</i> , 2007, , 289-291.	4.1	148
122	Iron-catalyzed Asymmetric Epoxidation of Aromatic Alkenes Using Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7293-7296.	13.8	230
123	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
124	Asymmetric Synthesis Using Sulfinimines (N-Sulfinyl Imines). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 1109-1117.	1.6	11
125	Nickel-catalysed fluoromethylation reactions. <i>Catalysis Science and Technology</i> , 0, , .	4.1	5