

Prasenjit Mal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

3,203
citations

27
h-index

55
g-index

107
ext. papers

3,683
ext. citations

4.9
avg, IF

5.83
L-index

#	Paper	IF	Citations
91	White phosphorus is air-stable within a self-assembled tetrahedral capsule. <i>Science</i> , 2009 , 324, 1697-9	33.3	851
90	An unlockable-relockable iron cage by subcomponent self-assembly. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8297-301	16.4	280
89	Subcomponent self-assembly and guest-binding properties of face-capped Fe ₄ L ₄ (8+) capsules. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5110-9	16.4	149
88	Mechanochemical synthesis of small organic molecules. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1907-1931	2.5	122
87	Helical self-assembly of substituted benzoic acids: influence of weaker X...X and C-H...X interactions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6530-1	16.4	104
86	An Unlockable/Relockable Iron Cage by Subcomponent Self-Assembly. <i>Angewandte Chemie</i> , 2008 , 120, 8421-8425	3.6	102
85	Supramolecular multicomponent self-assembly of shape-adaptive nanoprisms: wrapping up C(60) with three porphyrin units. <i>Organic Letters</i> , 2008 , 10, 2513-6	6.2	97
84	Radical-Induced Metal and Solvent-Free Cross-Coupling Using TBAI-TBHP: Oxidative Amidation of Aldehydes and Alcohols with N-Chloramines via C-H Activation. <i>Journal of Organic Chemistry</i> , 2015 , 80, 666-72	4.2	66
83	The HETTAP approach: self-assembly and metal ion sensing of dumbbell-shaped molecules and clip molecules. <i>Inorganic Chemistry</i> , 2006 , 45, 6370-7	5.1	63
82	An Organic Intermolecular Dehydrogenative Annulation Reaction. <i>Organic Letters</i> , 2017 , 19, 2006-2009	6.2	55
81	Crystal Engineering: Identification of a Unique Supramolecular Synthone Based on CO...X Interaction in Halogen-Substituted Aromatic Carboxaldehydes. <i>Crystal Growth and Design</i> , 2003 , 3, 581-585	3.5	47
80	Dehydrogenative Aromatic Ring Fusion for Carbazole Synthesis via C-C/C-N Bond Formation and Alkyl Migration. <i>Organic Letters</i> , 2017 , 19, 2454-2457	6.2	44
79	Synthesis, structure and photophysical properties of a highly luminescent terpyridine-diphenylacetylene hybrid fluorophore and its metal complexes. <i>Dalton Transactions</i> , 2015 , 44, 254-67	4.3	44
78	A highly selective, Hg ²⁺ triggered hydrogelation: modulation of morphology by chemical stimuli. <i>Chemical Communications</i> , 2014 , 50, 734-6	5.8	44
77	IBX works efficiently under solvent free conditions in ball milling. <i>RSC Advances</i> , 2014 , 4, 12834-12839	3.7	42
76	Using weak interactions to control C-H mono-nitration of indolines. <i>Chemical Communications</i> , 2017 , 53, 11368-11371	5.8	41
75	2,2':6,2'-Terpyridine Trimethylplatinum(IV) Iodide Complexes as Bifunctional Halogen Bond Acceptors. <i>Crystal Growth and Design</i> , 2016 , 16, 2527-2534	3.5	41

74	Transformation of Contact-Explosives Primary Amines and Iodine(III) into a Successful Chemical Reaction under Solvent-Free Ball Milling Conditions. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3977-3985	5.6	39
73	Solvent-Free Ball-Milling Biginelli Reaction by Subcomponent Synthesis. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 6994-6998	3.2	39
72	Aerial dioxygen activation vs. thiol-ene click reaction within a system. <i>Chemical Communications</i> , 2018 , 54, 3759-3762	5.8	38
71	Electrophilic aryl-halogenation using N-halosuccinimides under ball-milling. <i>Tetrahedron Letters</i> , 2014 , 55, 2154-2156	2	34
70	Iodine-Triggered Aerobic Oxysulfonylation of Styrenes. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 3566-3576	3.4	34
69	Solid-state photochromism and photoreactivity of o- and p-anisaldehydes. Remarkable stabilization of o-xilylenols. <i>Organic Letters</i> , 2001 , 3, 1579-82	6.2	34
68	Towards technomimetic spoked wheels: dynamic hexakis-heteroleptic coordination at a hexakis-terpyridine scaffold. <i>Chemical Communications</i> , 2008 , 960-2	5.8	30
67	PIDA-I2 mediated direct vicinal difunctionalization of olefins: iodoazidation, iodoetherification and iodoacyloxylation. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 4654-63	3.9	30
66	Towards nanotubular structures with large voids: dynamic heteroleptic oligophenanthroline metallonanoscaffolds and their solution-state properties. <i>Chemistry - A European Journal</i> , 2007 , 13, 6223-37	4.8	28
65	Mechanochemistry of supramolecules. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 881-900	2.5	27
64	Phenyl iodine Diacetate-Mediated Intramolecular C(sp ²)H Amidation for 1,2-Disubstituted Benzimidazole Synthesis under Metal-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 1416-1424	5.6	26
63	Mechanochemical Synthesis, Photophysical Properties, and X-ray Structures of N-Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 1283-1291	3.2	26
62	Sequential self-assembly of iron structures in water. <i>Chemical Communications</i> , 2010 , 46, 2417-9	5.8	26
61	Conformational control and photoenolization of pyridine-3-carboxaldehydes in the solid state: stabilization of photoenols via hydrogen bonding and electronic control. <i>Journal of Organic Chemistry</i> , 2003 , 68, 3446-53	4.2	25
60	Metal-free C-S coupling of thiols and disulfides. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 8771-8792	3.9	25
59	Iodine(III)-Enabled Distal C-H Functionalization of Biarylsulfonanilides. <i>Journal of Organic Chemistry</i> , 2018 , 83, 11278-11287	4.2	22
58	Solvent-free ball-milling subcomponent synthesis of metallosupramolecular complexes. <i>Chemistry - A European Journal</i> , 2015 , 21, 6390-3	4.8	22
57	Diastereomer-differentiating photochemistry of beta-arylbutyrophenones: Yang cyclization versus type II elimination. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14375-82	16.4	22

56	Iodine(III) Enabled Dehydrogenative Aryl C ₈ Coupling by in situ Generated Sulfenium Ion. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 1092-1101	5.6	22
55	N-Iodosuccinimide as Bifunctional Reagent in (E)-Selective C(sp ²) ₈ Sulfonylation of Styrenes. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 144-150	3	20
54	Nitrenium Ions from Amine-Iodine(III) Combinations. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 4401-4425	4.5	19
53	Facile conversion of lactols to lactones using IBX. <i>Tetrahedron Letters</i> , 2004 , 45, 309-312	2	19
52	Unipolar to ambipolar semiconductivity switching in charge transfer cocrystals of 2,7-di-tert-butylpyrene. <i>CrystEngComm</i> , 2019 , 21, 981-989	3.3	18
51	Soft/Hard Acid/Base-Controlled C ₈ Trifluoroethoxylation and Trideuteriomethoxylation of Anilides. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 715-719	3	18
50	Soft-Hard Acid/Base-Controlled, Oxidative, N-Selective Arylation of Sulfonanilides via a Nitrenium Ion. <i>Journal of Organic Chemistry</i> , 2018 , 83, 1340-1347	4.2	18
49	Efficient photocyclization of o-alkylbenzaldehydes in the solid state: direct observation of E-xylolenols en route to benzocyclobutenols. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7013-9	4.2	18
48	Noncovalent Interactions in C-S Bond Formation Reactions. <i>Journal of Organic Chemistry</i> , 2020 , 85, 11997-12018	4.1	18
47	Oxidative N-Arylation for Carbazole Synthesis by C-C Bond Activation. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8127-8138	4.2	18
46	Charge Transfer Versus Arene-Perfluoroarene Interactions in Modulation of Optical and Conductivity Properties in Cocrystals of 2,7-Di-tert-butylpyrene. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18198-18206	3.8	17
45	Highly diastereoselective tandem photoenolization-hetero-Diels-Alder cycloaddition reactions of o-tolualdehydes in the solid state. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8459-66	4.2	16
44	Solid-state diphotocyclization of iso- and terephthalaldehydes via dihalogen substitution. <i>Journal of Organic Chemistry</i> , 2003 , 68, 327-30	4.2	16
43	An intramolecular C(sp)-H imination using PhI-mCPBA. <i>Chemical Communications</i> , 2019 , 55, 2066-2069	5.8	15
42	Unsymmetrical Disulfides Synthesis via Sulfenium Ion. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2579-2583	4.5	13
41	Exploring Ambipolar Semiconductor Nature of Binary and Ternary Charge-Transfer Cocrystals of Triphenylene, Pyrene, and TCNQ. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6544-6553	3.8	12
40	Self-assembly of a M ₄ L ₆ complex with unexpected S ₄ symmetry. <i>Dalton Transactions</i> , 2014 , 43, 17889-92	4.3	12
39	Electron-Rich Aromatics Under Ball Milling: Oxidative Aryl-iodination Using I ₂ -Oxone and Biarylation with I ₂ . <i>Synthetic Communications</i> , 2014 , 44, 3461-3469	1.7	12

38	SBH???	Driven Anti-Markovnikov Thiol-Yne Click Reaction. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1849-1855	3	11
37		(Z)-Selective anti-Markovnikov or Markovnikov thiol-yne-click reactions of an internal alkyne by amide hydrogen bond control. <i>Chemical Communications</i> , 2020 , 56, 2991-2994	5.8	10
36		C-N Coupling via Antiaromatic Endocyclic Nitrenium Ions. <i>Journal of Organic Chemistry</i> , 2019 , 84, 12009-12020	12.0	10
35		Exploring the semiconductor properties of a charge transfer cocrystal of 1-aminopyrene and TCNQ. <i>CrystEngComm</i> , 2020 , 22, 720-727	3.3	10
34		Polymorphism of an o-anisaldehyde: a novel example of channel-type organization sustained by weak C=O and C=N hydrogen bonds. <i>New Journal of Chemistry</i> , 2004 , 28, 1416-1419	3.6	9
33		Strategies to Control Hypervalent Iodine - Primary Amine Reactions. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 624-635	4.5	9
32		Unravelling substitution effects on charge transfer characteristics in cocrystals of pyrene based donors and 3,5-dinitrobenzoic acid. <i>CrystEngComm</i> , 2019 , 21, 4401-4408	3.3	8
31		Cross Redox Coupling of Aryl-Aldehydes and p-Benzoquinone. <i>Journal of Organic Chemistry</i> , 2015 , 80, 11219-25	4.2	8
30		An Intramolecular C(sp ²)=N Amidation Using N-Iodosuccinimide. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 4178-4186	3.2	8
29		Norrish Type II photoreactivity of β -nonylalkanophenones and solvent effects on stereoselective Yang cyclization. <i>Tetrahedron Letters</i> , 2003 , 44, 2493-2496	2	8
28		The mechanochemical synthesis of quinazolin-4(3)-ones by controlling the reactivity of IBX. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2396-2403	2.5	8
27		Cation-Assisted Synthesis of Alkyl Aryl Ethers via C-CN Functionalization of 1,2-Dicyano Pyrazines. <i>ChemistrySelect</i> , 2017 , 2, 1944-1949	1.8	7
26		Multiport logic operations triggered by protonation--a trisphenanthroline as a 3-input AND-NOR-OR circuit. <i>Chemical Communications</i> , 2010 , 46, 2031-3	5.8	7
25		Dithioacetalization or thioetherification of benzyl alcohols using 9-mesityl-10-methylacridinium perchlorate photocatalyst. <i>Chemical Communications</i> , 2020 , 56, 10211-10214	5.8	7
24		Intramolecular C(sp ³)=N Imination towards Benzimidazoles Using Tetrabutylammonium Iodide and tBuOOH. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4105-4109	3.2	6
23		Mechanochemical-Cascaded C-N Cross-Coupling and Halogenation Using α -Bromo- and α -Chlorosuccinimide as Bifunctional Reagents. <i>Journal of Organic Chemistry</i> , 2021 , 86, 14144-14159	4.2	6
22		A Photochemical Intramolecular C-N Coupling Toward the Synthesis of Benzimidazole-Fused Phenanthridines. <i>Journal of Organic Chemistry</i> , 2021 , 86, 9587-9602	4.2	5
21		Anion-controlled formation of an aminal-(bis)imine Fe(ii)-complex. <i>Dalton Transactions</i> , 2014 , 43, 15697-2.3	2.3	4

20	An isoquinoline as cation assisted ON/OFF fluorescence switch with methionine and fluoride ion. <i>Tetrahedron Letters</i> , 2013 , 54, 1067-1070	2	4
19	CHAPTER 9: Soft Forces in Organic Synthesis by C-N Coupling Reactions. <i>RSC Catalysis Series</i> , 2019 , 188-208	3	4
18	Sulfuroxygen interaction-controlled α -selective -Markovnikov vinyl sulfides. <i>Chemical Communications</i> , 2021 , 57, 5698-5701	5.8	4
17	3-Nitro-coumarin synthesis nitrative cyclization of aryl alkynoates using α -butyl nitrite. <i>Chemical Communications</i> , 2021 , 57, 9228-9231	5.8	4
16	C-N Mono-Nitration of Indolines using tert-Butyl Nitrite. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1854-1857	3	3
15	B-Iodanes as Visible Light Photocatalyst in Thioacetalization of Aldehydes. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4822-4826	3.2	3
14	Fluorescent Chemosensors for Chromium(III) Ions and the Cr ³⁺ /Cr ²⁺ Ratio. <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 620-622	5.1	3
13	Synthesis of Cs/Methylammonium/Formamidinium PbBr ₃ Perovskite Nanocrystals with Green Emissions: Implications for Display Applications. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4360-4366	5.6	3
12	Capturing Hydrophobic Trifluoriodomethane in Water into an M4L6 Cage. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4964-4967	2.3	2
11	Lowest aqueous picomolar fluoride ions and in vivo aluminum toxicity detection by an aluminum(III) binding chemosensor. <i>Dalton Transactions</i> , 2021 , 50, 3027-3036	4.3	2
10	Chlorinative Cyclization of Aryl Alkynoates Using NCS and 9-Mesityl-10-methylacridinium Perchlorate Photocatalyst. <i>Organic Letters</i> , 2021 , 23, 8088-8092	6.2	2
9	Intermolecular C-Arylation of 2-Amidobiphenyls Overcoming Intramolecular N-Arylation. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1783-1786	3	1
8	Disulfide metathesis sulfur-iodine interaction and photoswitchability. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 8539-8543	3.9	1
7	A Click Reaction Enabled by Phosphorus-Oxygen Bond for Synthesis of Triazoles. <i>ChemistrySelect</i> , 2021 , 6, 9317-9322	1.8	1
6	3-Arylsulfonylquinolines from α -Propargylamines via Cascaded Oxidative Sulfonylation Using DABSO. <i>Journal of Organic Chemistry</i> , 2022 , 87, 6812-6823	4.2	1
5	Direct C-S Bond Functionalization of Benzyl Mercaptan. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3906-3913	3.2	0
4	DDQ in mechanochemical C-N coupling reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 18, 639-646	2.5	0
3	Steric and Electronic Effect on C ₂ -H Arylation of Sulfonamides. <i>ChemistrySelect</i> , 2019 , 4, 7010-7014	1.8	0

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| 2 | Cover Picture: An Unlockable/Relockable Iron Cage by Subcomponent Self-Assembly (Angew. Chem. Int. Ed. 43/2008). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8133-8133 | 16.4 |
| 1 | Titelbild: An Unlockable/Relockable Iron Cage by Subcomponent Self-Assembly (Angew. Chem. 43/2008). <i>Angewandte Chemie</i> , 2008 , 120, 8253-8253 | 3.6 |