Prasenjit Mal

List of Publications by Year
in descending order

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97 papers	4,070 citations	147566 31 h-index	123241 61 g-index
107 all docs	107 docs citations	107 times ranked	4270 citing authors

#	Article	IF	Citations
1	White Phosphorus Is Air-Stable Within a Self-Assembled Tetrahedral Capsule. Science, 2009, 324, 1697-1699.	6.0	995
2	An Unlockableâ€“Relockable Iron Cage by Subcomponent Selfâ€Assembly. Angewandte Chemie - International Edition, 2008, 47, 8297-8301.	7.2	323
3	Mechanochemical synthesis of small organic molecules. Beilstein Journal of Organic Chemistry, 2017, 13, 1907-1931.	1.3	199
4	Subcomponent Self-Assembly and Guest-Binding Properties of Face-Capped Fe₄L₄ ⁸⁺ Capsules. Journal of the American Chemical Society, 2012, 134, 5110-5119.	6.6	163
5	Helical Self-Assembly of Substituted Benzoic Acids:Â Influence of Weaker XÂ·Â·Â·X and Câ^'HÂ·Â·Â·X Interactions. Journal of the American Chemical Society, 2002, 124, 6530-6531.	6.6	110
6	Supramolecular Multicomponent Self-Assembly of Shape-Adaptive Nanoprisms: Wrapping up C₆₀ with Three Porphyrin Units. Organic Letters, 2008, 10, 2513-2516.	2.4	110
7	Radical-Induced Metal and Solvent-Free Cross-Coupling Using TBAIâ€“TBHP: Oxidative Amidation of Aldehydes and Alcohols with N-Chloramines via Câ€“H Activation. Journal of Organic Chemistry, 2015, 80, 666-672.	1.7	78
8	An Organic Intermolecular Dehydrogenative Annulation Reaction. Organic Letters, 2017, 19, 2006-2009.	2.4	66
9	The HETTAP Approach:Â Self-Assembly and Metal Ion Sensing of Dumbbell-Shaped Molecules and Clip Molecules. Inorganic Chemistry, 2006, 45, 6370-6377.	1.9	64
10	Dehydrogenative Aromatic Ring Fusion for Carbazole Synthesis via Câ€“C/Câ€“N Bond Formation and Alkyl Migration. Organic Letters, 2017, 19, 2454-2457.	2.4	59
11	Aerial dioxygen activation vs. thiolâ€“ene click reaction within a system. Chemical Communications, 2018, 54, 3759-3762.	2.2	56
12	Synthesis, structure and photophysical properties of a highly luminescent terpyridine-diphenylacetylene hybrid fluorophore and its metal complexes. Dalton Transactions, 2015, 44, 254-267.	1.6	54
13	A highly selective, Hg²⁺ triggered hydrogelation: modulation of morphology by chemical stimuli. Chemical Communications, 2014, 50, 734-736.	2.2	52
14	Using weak interactions to control Câ€“H mono-nitration of indolines. Chemical Communications, 2017, 53, 11368-11371.	2.2	51
15	Crystal Engineering:â€‰ Identification of a Unique Supramolecular Synthon Based on COÂ·Â·Â·X Interaction in Halogen-Substituted Aromatic Carboxaldehydes. Crystal Growth and Design, 2003, 3, 581-585.	1.4	50
16	IBX works efficiently under solvent free conditions in ball milling. RSC Advances, 2014, 4, 12834-12839.	1.7	50
17	Transformation of Contactâ€Explosives Primary Amines and Iodine(III) into a Successful Chemical Reaction under Solventâ€Free Ball Milling Conditions. Advanced Synthesis and Catalysis, 2015, 357, 3977-3985.	2.1	50
18	2,2â€²:6â€²,2â€³-Terpyridine Trimethylplatinum(IV) Iodide Complexes as Bifunctional Halogen Bond Acceptors. Crystal Growth and Design, 2016, 16, 2527-2534.	1.4	50

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19	Electrophilic aryl-halogenation using N-halosuccinimides under ball-milling. Tetrahedron Letters, 2014, 55, 2154-2156.	0.7	47
20	Solventâ€Free Ballâ€Milling Biginelli Reaction by Subcomponent Synthesis. European Journal of Organic Chemistry, 2015, 2015, 6994-6998.	1.2	47
21	Metal-free Câ€“S coupling of thiols and disulfides. Organic and Biomolecular Chemistry, 2020, 18, 8771-8792.	1.5	47
22	PIDAâ€“I₂ mediated direct vicinal difunctionalization of olefins: iodoazidation, iodoetherification and iodoacyloxylation. Organic and Biomolecular Chemistry, 2016, 14, 4654-4663.	1.5	41
23	Iodineâ€Triggered Aerobic Oxysulfonylation of Styrenes. Advanced Synthesis and Catalysis, 2017, 359, 3566-3576.	2.1	41
24	Mechanochemistry of supramolecules. Beilstein Journal of Organic Chemistry, 2019, 15, 881-900.	1.3	39
25	Noncovalent Interactions in Câ€“S Bond Formation Reactions. Journal of Organic Chemistry, 2020, 85, 11997-12011.	1.7	38
26	Solid-State Photochromism and Photoreactivity ofo- andp-Anisaldehydes. Remarkable Stabilization ofo-Xylylenols. Organic Letters, 2001, 3, 1579-1582.	2.4	37
27	Nitrenium Ions from Amineâ€Iodine(III) Combinations. Advanced Synthesis and Catalysis, 2019, 361, 4401-4425.	2.1	36
28	Mechanochemical Synthesis, Photophysical Properties, and Xâ€ray Structures of Nâ€Heteroacenes. European Journal of Organic Chemistry, 2016, 2016, 1283-1291.	1.2	34
29	Iodine(III)-Enabled Distal Câ€“H Functionalization of Biarylsulfonanilides. Journal of Organic Chemistry, 2018, 83, 11278-11287.	1.7	32
30	Towards technomimetic spoked wheels: dynamic hexakis-heteroleptic coordination at a hexakis-terpyridine scaffold. Chemical Communications, 2008, , 960.	2.2	31
31	Iodine(III) Enabled Dehydrogenative Aryl Câ^'S Coupling by inâ€…situ Generated Sulfenium Ion. Advanced Synthesis and Catalysis, 2019, 361, 1092-1101.	2.1	31
32	Phenyliodine Diacetateâ€Mediated Intramolecular C(sp²)ï£¿H Amidation for 1,2â€Disubstituted Benzimidazole Synthesis under Metalâ€Free Conditions. Advanced Synthesis and Catalysis, 2015, 357, 1416-1424.	2.1	30
33	Solventâ€Free Ballâ€Milling Subcomponent Synthesis of Metallosupramolecular Complexes. Chemistry - A European Journal, 2015, 21, 6390-6393.	1.7	29
34	Charge Transfer Versus Areneâ€“Perfluoroarene Interactions in Modulation of Optical and Conductivity Properties in Cocrystals of 2,7-Di-tert-butylpyrene. Journal of Physical Chemistry C, 2019, 123, 18198-18206.	1.5	29
35	Towards Nanotubular Structures with Large Voids: Dynamic Heteroleptic Oligophenanthroline Metallonanoscaffolds and their Solution-State Properties. Chemistry - A European Journal, 2007, 13, 6223-6237.	1.7	28
36	Nâ€Iodosuccinimide as Bifunctional Reagent in (E)â€Selective C(sp²)â^'H Sulfonylation of Styrenes. Asian Journal of Organic Chemistry, 2019, 8, 144-150.	1.3	28

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37	Sequential self-assembly of iron structures in water. Chemical Communications, 2010, 46, 2417.	2.2	27
38	Conformational Control and Photoenolization of Pyridine-3-carboxaldehydes in the Solid State:Â Stabilization of Photoenols via Hydrogen Bonding and Electronic Control. Journal of Organic Chemistry, 2003, 68, 3446-3453.	1.7	25
39	Softâ€“Hard Acid/Base-Controlled, Oxidative, N-Selective Arylation of Sulfonanilides via a Nitrenium Ion. Journal of Organic Chemistry, 2018, 83, 1340-1347.	1.7	24
40	Oxidative N-Arylation for Carbazole Synthesis by Câ€“C Bond Activation. Journal of Organic Chemistry, 2018, 83, 8127-8138.	1.7	24
41	Diastereomer-Differentiating Photochemistry of Î²-Arylbutyrophenones:Â Yang Cyclization versus Type II Elimination. Journal of the American Chemical Society, 2005, 127, 14375-14382.	6.6	23
42	Exploring Ambipolar Semiconductor Nature of Binary and Ternary Charge-Transfer Cocrystals of Triphenylene, Pyrene, and TCNQ. Journal of Physical Chemistry C, 2020, 124, 6544-6553.	1.5	23
43	Efficient Photocyclization ofo-Alkylbenzaldehydes in the Solid State:Â Direct Observation ofE-Xylylenols en Route to Benzocyclobutenols. Journal of Organic Chemistry, 2001, 66, 7013-7019.	1.7	22
44	Facile conversion of lactols to lactones using IBX. Tetrahedron Letters, 2004, 45, 309-312.	0.7	22
45	An intramolecular C(sp³)â€“H imination using PhIâ€“mCPBA. Chemical Communications, 2019, 55, 2066-2069.	2.2	22
46	Unipolar to ambipolar semiconductivity switching in charge transfer cocrystals of 2,7-di-tert-butylpyrene. CrystEngComm, 2019, 21, 981-989.	1.3	22
47	(Z)-Selective anti-Markovnikov or Markovnikov thiolâ€“yne-click reactions of an internal alkyne by amide hydrogen bond control. Chemical Communications, 2020, 56, 2991-2994.	2.2	22
48	Softâ€“Hard Acidâ€“Baseâ€Controlled Câˆ’H Trifluoroethoxylation and Trideuteriomethoxylation of Anilides. Asian Journal of Organic Chemistry, 2018, 7, 715-719.	1.3	21
49	Strategies to Control Hypervalent Iodine â€“ Primary Amine Reactions. Chemistry - an Asian Journal, 2020, 15, 624-635.	1.7	21
50	Exploring the semiconductor properties of a charge transfer cocrystal of 1-aminopyrene and TCNQ. CrystEngComm, 2020, 22, 720-727.	1.3	20
51	Dithioacetalization or thioetherification of benzyl alcohols using 9-mesityl-10-methylacridinium perchlorate photocatalyst. Chemical Communications, 2020, 56, 10211-10214.	2.2	19
52	Unsymmetrical Disulfides Synthesis via Sulfenium Ion. Chemistry - an Asian Journal, 2019, 14, 2579-2583.	1.7	18
53	Electron-Rich Aromatics Under Ball Milling: Oxidative Aryl-iodination Using I₂-Oxone and Biarylation with I₂. Synthetic Communications, 2014, 44, 3461-3469.	1.1	17
54	Sâˆ’Hâ€¦â€¦â€¦Ïƒ Driven Antiâ€Markovnikov Thiolâ€Yne Click Reaction. Asian Journal of Organic Chemistry, 2018, 7, 1849-1855.	1.3	17

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55	Mechanochemical-Cascaded Câ€“N Cross-Coupling and Halogenation Using N-Bromo- and N-Chlorosuccinimide as Bifunctional Reagents. Journal of Organic Chemistry, 2021, 86, 14144-14159.	1.7	17
56	Solid-State Diphotocyclization of Iso- and Terephthalaldehydes via Dihalogen Substitution. Journal of Organic Chemistry, 2003, 68, 327-330.	1.7	16
57	Highly Diastereoselective Tandem Photoenolizationâ^'Hetero-Dielsâ^'Alder Cycloaddition Reactions ofo-Tolualdehydes in the Solid State. Journal of Organic Chemistry, 2004, 69, 8459-8466.	1.7	16
58	The mechanochemical synthesis of quinazolin-4(3H)-ones by controlling the reactivity of IBX. Beilstein Journal of Organic Chemistry, 2018, 14, 2396-2403.	1.3	16
59	Câ€“N Coupling via Antiaromatic Endocyclic Nitrenium Ions. Journal of Organic Chemistry, 2019, 84, 12009-12020.	1.7	16
60	Sulfurâ¯oxygen interaction-controlled (Z)-selective anti-Markovnikov vinyl sulfides. Chemical Communications, 2021, 57, 5698-5701.	2.2	14
61	Multiport logic operations triggered by protonationâ€”a trisphenanthroline as a 3-input ANDâ€“NORâ€“OR circuit. Chemical Communications, 2010, 46, 2031.	2.2	13
62	Unravelling substitution effects on charge transfer characteristics in cocrystals of pyrene based donors and 3,5-dinitrobenzoic acid. CrystEngComm, 2019, 21, 4401-4408.	1.3	13
63	Lowest aqueous picomolar fluoride ions and in vivo aluminum toxicity detection by an aluminum(<scp>iii</scp>) binding chemosensor. Dalton Transactions, 2021, 50, 3027-3036.	1.6	13
64	Chlorinative Cyclization of Aryl Alkynoates Using NCS and 9-Mesityl-10-methylacridinium Perchlorate Photocatalyst. Organic Letters, 2021, 23, 8088-8092.	2.4	13
65	Self-assembly of a M4L6 complex with unexpected S4 symmetry. Dalton Transactions, 2014, 43, 17889-17892.	1.6	12
66	3-Nitro-coumarin synthesis via nitrative cyclization of aryl alkynoates using tert-butyl nitrite. Chemical Communications, 2021, 57, 9228-9231.	2.2	12
67	Reported Catalytic Hydrofunctionalizations that Proceed in the Absence of Catalysts: The Importance of Control Experiments. Chemical Record, 2022, 22, .	2.9	12
68	Norrish Type II photoreactivity of Î²-anisylalkanophenones and solvent effects on stereoselective Yang cyclization. Tetrahedron Letters, 2003, 44, 2493-2496.	0.7	11
69	Polymorphism of an o-anisaldehyde: a novel example of channel-type organization sustained by weak Câ€“Hâ‹¯O and Câ€“Hâ‹¯N hydrogen bonds. New Journal of Chemistry, 2004, 28, 1416-1419.	1.4	11
70	A Photochemical Intramolecular Câ€“N Coupling Toward the Synthesis of Benzimidazole-Fused Phenanthridines. Journal of Organic Chemistry, 2021, 86, 9587-9602.	1.7	11
71	Synthesis of Cs/Methylammonium/Formamidinium PbBr₃ Perovskite Nanocrystals with Green Emissions: Implications for Display Applications. ACS Applied Nano Materials, 2022, 5, 4360-4366.	2.4	11
72	Cross Redox Coupling of Aryl-Aldehydes and p-Benzoquinone. Journal of Organic Chemistry, 2015, 80, 11219-11225.	1.7	10

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73	Intramolecular C(sp³)â€“H Imination towards Benzimidazoles Using Tetrabutylammonium Iodide and tBuOOH. European Journal of Organic Chemistry, 2019, 2019, 4105-4109.	1.2	9
74	Regiodivergent Câ€“N Coupling of Quinazolinones Controlled by the Dipole Moments of Tautomers. Organic Letters, 2022, 24, 3144-3148.	2.4	9
75	Cation-Ï€ Assisted Synthesis of Alkyl Aryl EthersviaC-CN Functionalization of 1,2-Dicyano Pyrazines. ChemistrySelect, 2017, 2, 1944-1949.	0.7	8
76	An Intramolecular C(sp²)â€“H Amidation Using Nâ€Iodosuccinimide. European Journal of Organic Chemistry, 2018, 2018, 4178-4186.	1.2	8
77	Câ€“H Monoâ€Nitration of Indolines using tert â€Butyl Nitrite. Asian Journal of Organic Chemistry, 2019, 8, 1854-1857.	1.3	8
78	Î»³â€Iodanes as Visible Light Photocatalyst in Thioacetalization of Aldehydes. European Journal of Organic Chemistry, 2019, 2019, 4822-4826.	1.2	8
79	Anion-controlled formation of an aminal-(bis)imine Fe(<scp>ii</scp>)-complex. Dalton Transactions, 2014, 43, 15697-15699.	1.6	6
80	3-Arylsulfonylquinolines from N-Propargylamines via Cascaded Oxidative Sulfonylation Using DABSO. Journal of Organic Chemistry, 2022, 87, 6812-6823.	1.7	6
81	DDQ in mechanochemical Câ€“N coupling reactions. Beilstein Journal of Organic Chemistry, 0, 18, 639-646.	1.3	6
82	Fluorescent Chemosensors for Chromium(III) Ions and the Cr3+/Cr2+ Ratio. Bulletin of the Chemical Society of Japan, 2011, 84, 620-622.	2.0	5
83	An isoquinoline as cation assisted ONâ€“OFFâ€“ON fluorescence switch with methionine and fluoride ion. Tetrahedron Letters, 2013, 54, 1067-1070.	0.7	5
84	Disulfide metathesis via sulfurâ‹¯iodine interaction and photoswitchability. Organic and Biomolecular Chemistry, 2021, 19, 8539-8543.	1.5	5
85	Soft Forces in Organic Synthesis by Câ€“N Coupling Reactions. RSC Catalysis Series, 2019, , 188-208.	0.1	4
86	Câ€“H Hydroxylation of Quinoxalinâ€2(1H)â€ones through ipsoâ€Substitution Using tertâ€Butyl Nitrite. European Journal of Organic Chemistry, 2022, 2022, .	1.2	4
87	A Click Reaction Enabled by Phosphorusâ€Oxygen Bond for Synthesis of Triazoles. ChemistrySelect, 2021, 6, 9317-9322.	0.7	3
88	^tBuOLi-promoted terminal alkyne functionalizations by aliphatic thiols and alcohols. Organic and Biomolecular Chemistry, 2022, 20, 2671-2680.	1.5	3
89	Capturing Hydrophobic Trifluoroiodomethane in Water into an M₄L₆ Cage. European Journal of Inorganic Chemistry, 2016, 2016, 4964-4967.	1.0	2
90	Direct Câ€“S Bond Functionalization of Benzyl Mercaptan. European Journal of Organic Chemistry, 2020, 2020, 3906-3913.	1.2	2

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91	Mechanochemical Aliphatic Iodination (and Bromination) by Cascaded Cyclization. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	2
92	Steric and Electronic Effect on C 2 â€H Arylation of Sulfonamides. ChemistrySelect, 2019, 4, 7010-7014.	0.7	1
93	Intermolecular Câ€Arylation of 2â€Amidobiphenyls Overcoming Intramolecular Nâ€Arylation. Asian Journal of Organic Chemistry, 2020, 9, 1783-1786.	1.3	1
94	Norrish Type II Photoreactivity of Î²-Anisylalkanophenones and Solvent Effects on Stereoselective Yang Cyclization.. ChemInform, 2003, 34, no.	0.1	0
95	Facile Conversion of Lactols to Lactones Using IBX.. ChemInform, 2004, 35, no.	0.1	0
96	Cover Picture: An Unlockable-Relockable Iron Cage by Subcomponent Self-Assembly (Angew. Chem. Int.) Tj ETQq0 0 0 rgBT /Overlock 10	7.2	0
97	Titelbild: An Unlockable-Relockable Iron Cage by Subcomponent Self-Assembly (Angew. Chem. 43/2008). Angewandte Chemie, 2008, 120, 8253-8253.	1.6	0