Debasish Manna

List of Publications by Year
in descending order

22 papers	1,817 citations	516681 16 h-index	610883 24 g-index
27 all docs	27 docs citations	27 times ranked	2611 citing authors

#	Article	IF	Citations
1	Repurposing pinacol esters of boronic acids for tuning viscoelastic properties of glucose-responsive polymer hydrogels: effects on insulin release kinetics. Journal of Materials Chemistry B, 2022, 10, 7591-7599.	5.8	9
2	LYTACs: An Emerging Tool for the Degradation of Nonâ€Cytosolic Proteins. ChemMedChem, 2021, 16, 2951-2953.	3.2	19
3	Harnessing reaction-based probes to preferentially target pancreatic Î²-cells and Î²-like cells. Life Science Alliance, 2021, 4, e202000840.	2.8	10
4	Halogen Bonding in Biomimetic Deiodination of Thyroid Hormones and their Metabolites and Dehalogenation of Halogenated Nucleosides. ChemBioChem, 2020, 21, 911-923.	2.6	16
5	Controlling PROTACs with Light. ChemMedChem, 2020, 15, 1258-1261.	3.2	13
6	Native Zinc Catalyzes Selective and Traceless Release of Small Molecules in Î²-Cells. Journal of the American Chemical Society, 2020, 142, 6477-6482.	13.7	20
7	Optochemical Control of Protein Degradation. ChemBioChem, 2020, 21, 2250-2252.	2.6	17
8	A Singular System with Precise Dosing and Spatiotemporal Control of CRISPRâ€Cas9. Angewandte Chemie, 2019, 131, 6351-6355.	2.0	5
9	A Singular System with Precise Dosing and Spatiotemporal Control of CRISPRâ€Cas9. Angewandte Chemie - International Edition, 2019, 58, 6285-6289.	13.8	38
10	Precision Control of CRISPR-Cas9 Using Small Molecules and Light. Biochemistry, 2019, 58, 234-244.	2.5	92
11	Reversible trapping and reaction acceleration within dynamically self-assembling nanoflasks. Nature Nanotechnology, 2016, 11, 82-88.	31.5	305
12	Orthogonal Lightâ€Induced Selfâ€Assembly of Nanoparticles using Differently Substituted Azobenzenes. Angewandte Chemie, 2015, 127, 12571-12574.	2.0	42
13	Orthogonal Lightâ€Induced Selfâ€Assembly of Nanoparticles using Differently Substituted Azobenzenes. Angewandte Chemie - International Edition, 2015, 54, 12394-12397.	13.8	132
14	Seleniumâ€Mediated Dehalogenation of Halogenated Nucleosides and its Relevance to the DNA Repair Pathway. Angewandte Chemie - International Edition, 2015, 54, 9298-9302.	13.8	54
15	Titelbild: Orthogonal Lightâ€Induced Selfâ€Assembly of Nanoparticles using Differently Substituted Azobenzenes (Angew. Chem. 42/2015). Angewandte Chemie, 2015, 127, 12347-12347.	2.0	2
16	Halogen Bonding Controls the Regioselectivity of the Deiodination of Thyroid Hormones and their Sulfate Analogues. Chemistry - A European Journal, 2015, 21, 2409-2416.	3.3	30
17	Light-controlled self-assembly of non-photoresponsive nanoparticles. Nature Chemistry, 2015, 7, 646-652.	13.6	440
18	Antithyroid Drugs and Their Analogues: Synthesis, Structure, and Mechanism of Action. Accounts of Chemical Research, 2013, 46, 2706-2715.	15.6	144

#	Article	IF	Citations
19	Regioselective Deiodination of Thyroxine by Iodothyronine Deiodinase Mimics: An Unusual Mechanistic Pathway Involving Cooperative Chalcogen and Halogen Bonding. Journal of the American Chemical Society, 2012, 134, 4269-4279.	13.7	130
20	Deiodination of Thyroid Hormones by Iodothyronine Deiodinase Mimics: Does an Increase in the Reactivity Alter the Regioselectivity?. Journal of the American Chemical Society, 2011, 133, 9980-9983.	13.7	43
21	A Chemical Model for the Innerâ€Ring Deiodination of Thyroxine by Iodothyronine Deiodinase. Angewandte Chemie - International Edition, 2010, 49, 9246-9249.	13.8	54
22	Synthesis, Structure, Spirocyclization Mechanism, and Glutathione Peroxidase-like Antioxidant Activity of Stable Spirodiazaselenurane and Spirodiazatellurane. Journal of the American Chemical Society, 2010, 132, 5364-5374.	13.7	162