Ankona Datta

List of Publications by Year
in descending order

24 papers	1,421 citations	623734 14 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	2178 citing authors

#	Article	IF	Citations
1	Highâ€Relaxivity MRI Contrast Agents: Where Coordination Chemistry Meets Medical Imaging. Angewandte Chemie - International Edition, 2008, 47, 8568-8580.	13.8	415
2	Gdâ"Hydroxypyridinone (HOPO)-Based High-Relaxivity Magnetic Resonance Imaging (MRI) Contrast Agents. Accounts of Chemical Research, 2009, 42, 938-947.	15.6	230
3	High Relaxivity Gadolinium Hydroxypyridonateâ"Viral Capsid Conjugates:â€‰ Nanosized MRI Contrast Agents¹. Journal of the American Chemical Society, 2008, 130, 2546-2552.	13.7	165
4	Magnetic Resonance Contrast Agents from Viral Capsid Shells:â€‰ A Comparison of Exterior and Interior Cargo Strategies. Nano Letters, 2007, 7, 2207-2210.	9.1	135
5	Multivalent, High-Relaxivity MRI Contrast Agents Using Rigid Cysteine-Reactive Gadolinium Complexes. Journal of the American Chemical Society, 2011, 133, 14704-14709.	13.7	115
6	Cu²⁺selective chelators relieve copper-induced oxidative stress<i>in vivo</i>. Chemical Science, 2018, 9, 7916-7930.	7.4	55
7	Manganese co-localizes with calcium and phosphorus in Chlamydomonas acidocalcisomes and is mobilized in manganese-deficient conditions. Journal of Biological Chemistry, 2019, 294, 17626-17641.	3.4	53
8	A Sensitive Water-Soluble Reversible Optical Probe for Hg²⁺ Detection. Inorganic Chemistry, 2018, 57, 5273-5281.	4.0	49
9	Tuning macrocycles to design â€˜turn-onâ€™ fluorescence probes for manganese(<scp>ii</scp>) sensing in live cells. Chemical Communications, 2015, 51, 2605-2608.	4.1	45
10	A zebrafish model of manganism reveals reversible and treatable symptoms independent of neurotoxicity. DMM Disease Models and Mechanisms, 2014, 7, 1239-51.	2.4	33
11	Manganese Mapping Using a Fluorescent Mn²⁺ Sensor and Nanosynchrotron X-ray Fluorescence Reveals the Role of the Golgi Apparatus as a Manganese Storage Site. Inorganic Chemistry, 2019, 58, 13724-13732.	4.0	23
12	Smart â€œLanthanoâ€•Proteins for Phospholipid Sensing. Inorganic Chemistry, 2013, 52, 12314-12316.	4.0	15
13	Emerging chemical tools and techniques for tracking biological manganese. Dalton Transactions, 2019, 48, 7047-7061.	3.3	14
14	Cell Permeable Ratiometric Fluorescent Sensors for Imaging Phosphoinositides. ACS Chemical Biology, 2016, 11, 1834-1843.	3.4	13
15	A macrocyclic 19 F-MR based probe for Mn 2+ sensing. Inorganic Chemistry Communication, 2017, 78, 21-24.	3.9	8
16	Kinetic Selectivity in the N-Alkylation of 2-Pyridyl Porphyrins:Â A Facile Approach to the Î±Î±Î²Î² Scaffold. Journal of Organic Chemistry, 2007, 72, 1818-1821.	3.2	6
17	Fluorescent Chemical Tools for Tracking Anionic Phospholipids. Israel Journal of Chemistry, 2021, 61, 199-216.	2.3	6
18	Optically sensing phospholipid induced coilâ€"helix transitions in the phosphoinositide-binding motif of gelsolin. Faraday Discussions, 2018, 207, 437-458.	3.2	5

#	Article	IF	Citations
19	Manganese is a Deinococcus radiodurans growth limiting factor in rich culture medium. Microbiology (United Kingdom), 2018, 164, 1266-1275.	1.8	5
20	Spatio-Temporal Autophagy Tracking with a Cell-Permeable, Water-Soluble, Peptide-Based, Autophagic Vesicle-Targeted Sensor. ACS Sensors, 2021, 6, 2252-2260.	7.8	3
21	A Peptide-Based Fluorescent Sensor for Anionic Phospholipids. ACS Omega, 2022, 7, 10347-10354.	3.5	3
22	Bionanophotonics: general discussion. Faraday Discussions, 2018, 207, 491-512.	3.2	0
23	Kinase play-off on lipid turf hints at a molecular basis for new-found tumor-suppressor activity ofÂPKCs. Biophysical Journal, 2021, , .	0.5	0
24	A Chemical Tool for Guiding Li Therapy. ACS Central Science, 2021, 7, 1783-1786.	11.3	0