

Arnab Banerjee

List of Publications by Year in Descending Order

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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.

46 papers	1,800 citations	24 h-index	42 g-index
47 ext. papers	1,906 ext. citations	5.1 avg, IF	4.28 L-index

#	Paper	IF	Citations
46	A positron-emission tomography (PET)/magnetic resonance imaging (MRI) platform to track in vivo small extracellular vesicles. <i>Nanoscale</i> , 2019 , 11, 13243-13248	7.7	19
45	Hypoxia-Responsive F MRI Probes with Improved Redox Properties and Biocompatibility. <i>Inorganic Chemistry</i> , 2017 , 56, 6429-6437	5.1	47
44	Exploiting Copper Redox for (19)F Magnetic Resonance-Based Detection of Cellular Hypoxia. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2937-40	16.4	63
43	Tuning FRET efficiency as a novel approach for improved detection of naphthalene: application to environmental samples. <i>Journal of Molecular Recognition</i> , 2016 , 29, 303-7	2.6	3
42	Structure, magnetism and catecholase activity of the first dicopper(II) complex having a single μ_2 -alkoxo bridge. <i>RSC Advances</i> , 2015 , 5, 10987-10993	3.7	18
41	An anion induced multisignaling probe for Hg(2+) and its application for fish kidney and liver tissue imaging studies. <i>Dalton Transactions</i> , 2015 , 44, 13186-95	4.3	18
40	A smart rhodamine-pyridine conjugate for bioimaging of thiocyanate in living cells. <i>RSC Advances</i> , 2015 , 5, 103350-103357	3.7	8
39	2-(2-Pyridyl) benzimidazole-based ternary Mn(II) complex as an arsenate selective turn-on fluorescence probe: ppb level determination and cell imaging studies. <i>New Journal of Chemistry</i> , 2014 , 38, 2744	3.6	9
38	Visible light excitable fluorescence probe and its functionalized Merrifield polymer: selective sensing and removal of arsenate from real samples. <i>RSC Advances</i> , 2014 , 4, 3887-3892	3.7	18
37	A visible light excitable pyrene-naphthalene conjugate for ON fluorescence sensing of histidine in living cells. <i>RSC Advances</i> , 2014 , 4, 7495	3.7	7
36	Selective fluorescence and naked eye detection of histidine in aqueous medium via hydrogen bonding assisted Schiff base condensation. <i>Tetrahedron Letters</i> , 2014 , 55, 174-176	2	10
35	pH-controlled solid-phase enrichment of Mn(II): confirmation of the structure of the extracted ternary Mn(II) complex by single crystal X-ray structure analysis. <i>Desalination and Water Treatment</i> , 2014 , 52, 6069-6078		1
34	Aluminum(III) induced green luminescence for naked eye detection: Experimental and computational studies. <i>Inorganica Chimica Acta</i> , 2014 , 412, 67-72	2.7	6
33	Selective sensing of Hg ²⁺ using rhodamine-thiophene conjugate: red light emission and visual detection of intracellular Hg ²⁺ at nanomolar level. <i>Journal of Hazardous Materials</i> , 2013 , 261, 198-205	12.8	48
32	Fluorescence sensing of arsenate at nanomolar level in a greener way: naphthalene based probe for living cell imaging. <i>Chemical Communications</i> , 2013 , 49, 7231-3	5.8	49
31	An INHIBIT logic gate from a thiophene derivative using iron and zinc ions as the input: tuning the efficiency on moving from naphthalene to anthracene to pyrene for the green luminescent detection of the intracellular iron. <i>Dalton Transactions</i> , 2013 , 42, 16387-95	4.3	12
30	A FRET operated sensor for intracellular pH mapping: strategically improved efficiency on moving from an anthracene to a naphthalene derivative. <i>RSC Advances</i> , 2013 , 3, 14397	3.7	19

29	A coumarin-based "turn-on" fluorescent sensor for the determination of Al ³⁺ : single crystal X-ray structure and cell staining properties. <i>Dalton Transactions</i> , 2013 , 42, 10198-207	4.3	71
28	FRET based tri-color emissive rhodamine-pyrene conjugate as an Al ³⁺ selective colorimetric and fluorescence sensor for living cell imaging. <i>Dalton Transactions</i> , 2013 , 42, 13311-4	4.3	89
27	Naphthalene based highly selective OFF-ON type fluorescent probe for Al ³⁺ and NO ₂ ⁻ ions for living cell imaging at physiological pH. <i>Inorganica Chimica Acta</i> , 2013 , 398, 64-71	2.7	30
26	Ratiometric fluorescence sensing and intracellular imaging of Al ³⁺ ions driven by an intramolecular excimer formation of a pyrimidine-pyrene scaffold. <i>Dalton Transactions</i> , 2013 , 42, 4757-63	4.3	84
25	Xanthone based Pb ²⁺ selective turn on fluorescent probe for living cell staining. <i>Analytical Methods</i> , 2013 , 5, 169-172	3.2	13
24	A rhodamine-naphthalene conjugate as a FRET based sensor for Cr ³⁺ and Fe ³⁺ with cell staining application. <i>Analytical Methods</i> , 2013 , 5, 442-445	3.2	45
23	Rhodamine-based fluorescent probe for Al ³⁺ through time-dependent PET-CHEF-FRET processes and its cell staining application. <i>Inorganic Chemistry</i> , 2013 , 52, 3627-33	5.1	157
22	A rhodamine derivative as a "lock" and SCN ⁻ as a "key": visible light excitable SCN ⁻ sensing in living cells. <i>Chemical Communications</i> , 2013 , 49, 2527-9	5.8	38
21	Spectroscopic Studies of a New Multi-Element Sensitive Fluorescent Probe Derived from 2-(2-pyridyl)benzimidazole: Selective Discrimination of Zn ²⁺ from Its Congeners. <i>Spectroscopy Letters</i> , 2013 , 46, 28-35	1.1	3
20	Lighting of a rhodamine-based fluorescent lamp using ClO ₄ ⁻ as a connector: detection by the naked eye and cell imaging studies of trace amounts of ClO ₄ ⁻ ions. <i>RSC Advances</i> , 2013 , 3, 14044	3.7	7
19	A naphthalene-thiophene hybrid molecule as a fluorescent AND logic gate with Zn ²⁺ and OAc ⁻ ions as inputs: cell imaging and computational studies. <i>Dalton Transactions</i> , 2013 , 42, 6708-15	4.3	29
18	Antipyrine based arsenate selective fluorescent probe for living cell imaging. <i>Analytical Chemistry</i> , 2013 , 85, 1778-83	7.8	58
17	THIOCYANATE-ASSISTED SOLID PHASE ENRICHMENT OF Cu(II) USING PYRIDINE DERIVATIVE WITH X-RAY CRYSTALLOGRAPHIC EVIDENCE. <i>Chemical Engineering Communications</i> , 2013 , 200, 638-654	2.2	1
16	Nickel(II)-induced excimer formation of a naphthalene-based fluorescent probe for living cell imaging. <i>Inorganic Chemistry</i> , 2012 , 51, 5699-704	5.1	67
15	Interaction of a naphthalene based fluorescent probe with Al ³⁺ : experimental and computational studies. <i>Analytical Methods</i> , 2012 , 4, 3620	3.2	21
14	Thiophene anchored coumarin derivative as a turn-on fluorescent probe for Cr ³⁺ : cell imaging and speciation studies. <i>Talanta</i> , 2012 , 91, 18-25	6.2	71
13	Anthracene appended coumarin derivative as a Cr(III) selective turn-on fluorescent probe for living cell imaging: a green approach towards speciation studies. <i>Analytical Methods</i> , 2012 , 4, 3163	3.2	13
12	Interaction of soft donor sites with a hard metal ion: crystallographically characterized blue emitting fluorescent probe for Al(III) with cell staining studies. <i>RSC Advances</i> , 2012 , 2, 12447	3.7	44

11	A naphthalene exciplex based Al ³⁺ selective on-type fluorescent probe for living cells at the physiological pH range: experimental and computational studies. <i>Analyst, The</i> , 2012 , 137, 2166-75	5	97
10	An Al ³⁺ induced green luminescent fluorescent probe for cell imaging and naked eye detection. <i>Analytical Methods</i> , 2012 , 4, 1906	3.2	70
9	Cd(II)-triggered excimer-monomer conversion of a pyrene derivative: time dependent red-shift of monomer emission with cell staining application. <i>Analyst, The</i> , 2012 , 137, 3910-3	5	29
8	Highly selective organic fluorescent probe for azide ion: formation of a "molecular ring". <i>Analyst, The</i> , 2012 , 137, 1544-6	5	47
7	Thiophene anchored naphthalene derivative: Cr ³⁺ selective turn-on fluorescent probe for living cell imaging. <i>Analytical Methods</i> , 2012 , 4, 2254	3.2	21
6	A naphthalene-based Al ³⁺ selective fluorescent sensor for living cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5523-9	3.9	176
5	2-(2-Pyridyl) benzimidazole based Co(II) complex as an efficient fluorescent probe for trace level determination of aspartic and glutamic acid in aqueous solution: a displacement approach. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7097-104	3.9	43
4	Pyridine appended L-methionine: a novel chelating resin for pH dependent Cr speciation with scanning electron microscopic evidence and monitoring of yeast mediated green bio-reduction of Cr(VI) to Cr(III) in environmental samples. <i>Journal of Hazardous Materials</i> , 2011 , 185, 1448-57	12.8	20
3	Methionine-pyrene hybrid based fluorescent probe for trace level detection and estimation of Hg(II) in aqueous environmental samples: experimental and computational studies. <i>Journal of Hazardous Materials</i> , 2011 , 186, 738-44	12.8	40
2	9-Acridone-4-carboxylic acid as an efficient Cr(III) fluorescent sensor: trace level detection, estimation and speciation studies. <i>Journal of Hazardous Materials</i> , 2011 , 188, 274-80	12.8	53
1	pH dependent separation of uranium by chelation chromatography using pyridine 2,6-dimethanol as a chelator: single crystal X-ray structural confirmation of the chelated uranium complex. <i>Journal of Hazardous Materials</i> , 2010 , 181, 154-60	12.8	8