

# Krishnendu Aich

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1659171/krishnendu-aich-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

48  
papers

2,114  
citations

27  
h-index

45  
g-index

48  
ext. papers

2,275  
ext. citations

3.8  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
48	Fabrication of a new fluorogenic probe for detection of phosgene in solution and vapor phase. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 326, 128837	8.5	10
47	A fluorescent "ON-OFF-ON" switch for the selective and sequential detection of Hg and I with applications in imaging using human AGS gastric cancer cells. <i>Dalton Transactions</i> , <b>2020</b> , 49, 187-195	4.3	12
46	A simple coumarin based fluorescent On probe for the selective detection of Al <sup>3+</sup> along with its application in live cell imaging via AGS cell line. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 390, 112294	4.7	4
45	An ESIPT based chromogenic and fluorescent ratiometric probe for Zn <sup>2+</sup> with imaging in live cells and tissues. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 1857-1863	3.6	11
44	Solvent-Dependent Nanostructures Based on Active Aggregation Induced Emission Enhancement of New Carbazole Derivatives of Triphenylacrylonitrile. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4856-4863	4.8	10
43	Facile detection of organophosphorus nerve agent mimic (DCP) through a new quinoline-based ratiometric switch. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8627-8633	3.6	10
42	Two New Quinoline-Benzothiazole Blended Off-On Type Fluorescent Probes Exclusively Detect Cd <sup>2+</sup> . <i>ChemistrySelect</i> , <b>2019</b> , 4, 8068-8073	1.8	7
41	Simple fabrication of a carbaldehyde based fluorescent Burn-on probe for the selective and sole detection of Pd <sup>2+</sup> : application as test strips. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 16915-16920	3.6	4
40	Detection and discrimination of Zn <sup>2+</sup> and Hg <sup>2+</sup> using a single molecular fluorescent probe. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8646-8652	3.6	15
39	Development of a new fluorescence ratiometric switch for endogenous hypochlorite detection in monocytes of diabetic subjects by dye release method. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 1130-1135	2	17
38	A new multi-analyte fluorogenic sensor for efficient detection of Al <sup>3+</sup> and Zn <sup>2+</sup> ions based on ESIPT and CHEF features. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19076-19082	3.6	21
37	A new carbazole-benzothiazole based chemodosimeter for chromogenic and fluorogenic detection of CN <sup>-</sup> . <i>Journal of Luminescence</i> , <b>2018</b> , 201, 419-426	3.8	16
36	Triphenylamine-Benzimidazole based switch offers reliable detection of organophosphorus nerve agent (DCP) both in solution and gaseous state. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12562-12568	3.6	12
35	A coumarin based azo-phenol ligand as efficient fluorescent OFF-ON-OFF chemosensor for sequential detection of Mg <sup>2+</sup> and Fe <sup>3+</sup> . Application in live cell imaging and as molecular logic gate. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 317-325	8.5	21
34	Carbazole-Benzimidazole based dyes for acid responsive ratiometric emissive switches. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6907-6915	3.6	18
33	FRET-based fluorescence ratiometric and colorimetric sensor to discriminate Fe <sup>3+</sup> from Fe <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6414-6420	3.6	34
32	A novel sensor to estimate the prevalence of hypochlorous (HOCl) toxicity in individuals with type 2 diabetes and dyslipidemia. <i>Clinica Chimica Acta</i> , <b>2016</b> , 458, 144-53	6.2	10

31	A new visible-light-excitable ICT-CHEF-mediated fluorescence 'turn-on' probe for the selective detection of Cd(2+) in a mixed aqueous system with live-cell imaging. <i>Dalton Transactions</i> , <b>2015</b> , 44, 5763-70	4.3	68
30	Cd(2+) Triggered the FRET "ON": A New Molecular Switch for the Ratiometric Detection of Cd(2+) with Live-Cell Imaging and Bound X-ray Structure. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 7309-15	5.1	75
29	A new ICT and CHEF based visible light excitable fluorescent probe easily detects in vivo Zn2+. <i>RSC Advances</i> , <b>2015</b> , 5, 31189-31194	3.7	40
28	Fluorescent chemodosimeter based on spirobenzopyran for organophosphorus nerve agent mimics (DCP). <i>RSC Advances</i> , <b>2015</b> , 5, 28996-29001	3.7	33
27	ESIPT and CHEF based highly sensitive and selective ratiometric sensor for Al3+ with imaging in human blood cells. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8582-8587	3.6	47
26	A triphenyl amine-based solvatofluorochromic dye for the selective and ratiometric sensing of OCl- in human blood cells. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 694-700	4.5	46
25	A reaction based colorimetric as well as fluorescence turn on probe for the rapid detection of hydrazine. <i>RSC Advances</i> , <b>2014</b> , 4, 14210	3.7	89
24	Single sensor for multiple analytes: fluorogenic detection of Al3+ in aqueous media and AcO- in organic media. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 94-104	1.8	29
23	A rhodamine-quinoline based chemodosimeter capable of recognising endogenous OCl- in human blood cells. <i>RSC Advances</i> , <b>2014</b> , 4, 24881-24886	3.7	38
22	A coumarin based chemodosimetric probe for ratiometric detection of hydrazine. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 2695-2699	2	75
21	Visual and near IR (NIR) fluorescence detection of Cr3+ in aqueous media via spirobenzopyran ring opening with application in logic gate and bio-imaging. <i>Dalton Transactions</i> , <b>2014</b> , 43, 231-9	4.3	55
20	An ICT based highly selective and sensitive sulfur-free sensor for naked eye as well as fluorogenic detection of Hg2+ in mixed aqueous media. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 4620-4623	2	48
19	CHEF induced highly selective and sensitive turn-on fluorogenic and colorimetric sensor for Fe3+. <i>Dalton Transactions</i> , <b>2013</b> , 42, 15113-9	4.3	76
18	Colorimetric as well as dual switching fluorescence turn on chemosensors for exclusive recognition of Zn2+ and . <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 6892-6896	2	33
17	A chemodosimeter for the ratiometric detection of hydrazine based on return of ESIPT and its application in live-cell imaging. <i>Organic Letters</i> , <b>2013</b> , 15, 5412-5	6.2	209
16	A new rhodamine-coumarin Cu2+-selective colorimetric and fluorescence probe for effective use in chemistry and bioimaging along with its bound X-ray crystal structure. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 183, 518-525	8.5	50
15	A red fluorescence 'off-on' molecular switch for selective detection of Al3+, Fe3+ and Cr3+: experimental and theoretical studies along with living cell imaging. <i>Chemical Communications</i> , <b>2013</b> , 49, 10739-41	5.8	157
14	A naphthalimide-quinoline based probe for selective, fluorescence ratiometric sensing of trivalent ions. <i>RSC Advances</i> , <b>2013</b> , 3, 2412	3.7	90

13	Resonance-assisted hydrogen bonding induced nucleophilic addition to hamper ESIPT: ratiometric detection of cyanide in aqueous media. <i>Chemical Communications</i> , <b>2013</b> , 49, 2912-4	5.8	167
12	Highly reactive (. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 1785-1789	2	57
11	A highly selective and sensitive probe for colorimetric and fluorogenic detection of Cd <sup>2+</sup> in aqueous media. <i>Analyst, The</i> , <b>2013</b> , 138, 1903-7	5	77
10	Dual channel selective fluorescence detection of Al(III) and PPI in aqueous media with an 'off-on-off' switch which mimics molecular logic gates (INHIBIT and EXOR gates). <i>Dalton Transactions</i> , <b>2013</b> , 42, 8078-85	4.3	108
9	Exploring contribution of intermolecular interactions in supramolecular layered assembly of naphthyridine co-crystals: Insights from Hirshfeld surface analysis of their crystalline states. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1048, 157-165	3.4	32
8	Ratiometric and absolute water-soluble fluorescent tripodal zinc sensor and its application in killing human lung cancer cells. <i>Analyst, The</i> , <b>2013</b> , 138, 4593-8	5	56
7	Competitive intra- and inter-molecular proton transfer in hydroxynaphthyl benzothiazole: selective ratiometric sensing of acetate. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 4215-4220	2	33
6	7-Hy-droxy-methyl-2-pivaloyl-amino-1,8-naphthyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o503		
5	Ethyl 2-[(2-oxo-2H-chromen-7-yl)-oxy]acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o502		1
4	Acridine-based Switching on Fluorescence Sensor for Cd <sup>2+</sup> Functioning in Absolute Aqueous Media. <i>Chemistry Letters</i> , <b>2012</b> , 41, 863-865	1.7	21
3	A Simple Rhodamine-based Naked-eye and Fluorescence Off-On Sensor for Cu(II) in Aqueous Solution. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1600-1602	1.7	17
2	A simple naphthalene-based colorimetric sensor selective for acetate. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 4819-4823	2	47
1	A naphthyridine based macrocyclic Switching on Fluorescent receptor for cadmium. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 2185-2188	3.8	8