

# Sourav Sarkar

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

546  
citations

687363

13  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

641  
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-photon fluorescent probe for ratiometric imaging of endogenous hypochlorous acid in live cells and tissues. <i>Chemical Communications</i> , 2017, 53, 10800-10803.	4.1	93
2	An Endeavor in the Reaction-Based Approach to Fluorescent Probes for Biorelevant Analytes: Challenges and Achievements. <i>Accounts of Chemical Research</i> , 2019, 52, 2571-2581.	15.6	90
3	A Study on Hypoxia Susceptibility of Organ Tissues by Fluorescence Imaging with a Ratiometric Nitroreductase Probe. <i>ACS Sensors</i> , 2021, 6, 148-155.	7.8	47
4	A rationally designed polarity-viscosity sensitive probe for imaging lipid droplets. <i>Dyes and Pigments</i> , 2019, 171, 107718.	3.7	46
5	Two-photon absorbing 8-hydroxy-benzo[ <i>g</i> ]coumarins with giant Stokes shifts: an environment-insensitive dye platform for probing biomolecules. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4446-4452.	5.8	33
6	Molecular Probes for Fluorescence Imaging of ATP in Cells and Tissues. <i>ChemPhotoChem</i> , 2019, 3, 214-219.	3.0	33
7	Ratiometric Imaging of $\beta$ -Glutamyl Transpeptidase Unperturbed by pH, Polarity, and Viscosity Changes: A Benzocoumarin-Based Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2019, 91, 14101-14108.	6.5	31
8	A systematic study on the discrepancy of fluorescence properties between in solutions and in cells: super-bright, environment-insensitive benzocoumarin dyes. <i>Chemical Communications</i> , 2020, 56, 10556-10559.	4.1	24
9	Rationally Designed Two-Photon Ratiometric Elastase Probe for Investigating Inflammatory Bowel Disease. <i>Analytical Chemistry</i> , 2022, 94, 1373-1381.	6.5	20
10	A caveat to common hemicyanine dye components and their resolution. <i>Chemical Communications</i> , 2020, 56, 7025-7028.	4.1	19
11	NAD(P)H Quinone Oxidoreductase-1 in Organ and Tumor Tissues: Distinct Activity Levels Observed with a Benzo-rosol-Based Dual-Excitation and Dual-Emission Probe. <i>Analytical Chemistry</i> , 2021, 93, 7523-7531.	6.5	16
12	Water-Soluble Pyrrolo[3,2- <i>bc</i> ]pyrroles: Synthesis, Luminescence and Two-Photon Cellular Imaging Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 278-281.	2.7	15
13	Two-photon excitable membrane targeting polyphenolic carbon dots for long-term imaging and pH-responsive chemotherapeutic drug delivery for synergistic tumor therapy. <i>Biomaterials Science</i> , 2022, 10, 1680-1696.	5.4	15
14	Imidazolyl-benzocoumarins as ratiometric fluorescence probes for biologically extreme acidity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119088.	3.9	14
15	Dual probing of redox species, NAD(P)H and HOCl, with a benzo[ <i>a</i> ]phenoxazine based far red-emitting dye. <i>Tetrahedron Letters</i> , 2018, 59, 3210-3213.	1.4	11
16	Exploration of Molecular Shape-Dependent Luminescence Behavior: Fluorogenic Organic Nanoparticles Based on Bent Shaped Excited-State Intramolecular Proton-Transfer Dyes. <i>ACS Applied Bio Materials</i> , 2018, 1, 136-145.	4.6	8
17	Bent Benzocoumarin Dyes that Fluoresce in Solution and in Solid State and Their Application to Bioimaging. <i>ChemPhotoChem</i> , 2020, 4, 721.	3.0	6
18	Structurally Compact, Blue-Green-Red Fluorescence Trackers for the Outer Cell Membrane: Zwitterionic (Naphthylvinyl)pyridinium Dyes. <i>ACS Applied Bio Materials</i> , 2021, 4, 2089-2096.	4.6	6

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19	Lavender violet, blue and pink: A new type of benzo[ a ]phenoxazine-based dipolar, red-emitting dyes. <i>Dyes and Pigments</i> , 2017, 142, 161-166.	3.7	5
20	Environment-insensitive two-photon ratiometric probe for in cellulo quantitative measurement of hydrogen peroxide. <i>Results in Chemistry</i> , 2021, 3, 100117.	2.0	5
21	A Two-Photon Ratiometric Sensing Platform Based on Solid-State Luminescent Benzocoumarin: Application to Prolonged Bioimaging of Hydrogen Peroxide. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	5
22	Electronic Effects on the Depropargylation Process in the Reaction-based Fluorescent Detection of Palladium Species: Benzocoumarin-based Ratiometric Sensing Systems. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 135-139.	1.9	3
23	A $\pi$ -Stacking Based Fluorescent Probe for Labeling of Flavin Analogues in Live Cells through Unusual FRET Process. <i>Analytical Chemistry</i> , 2022, 94, 3494-3500.	6.5	1