

# Sabyasachi Bandyopadhyay

## List of Publications by Year in descending order

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14  
papers

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citations

840776

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#	ARTICLE	IF	CITATIONS
1	Selective four electron reduction of O <sub>2</sub> by an iron porphyrin electrocatalyst under fast and slow electron fluxes. <i>Chemical Communications</i> , 2012, 48, 7631.	4.1	101
2	Resonance Raman and Electrocatalytic Behavior of Thiolate and Imidazole Bound Iron Porphyrin Complexes on Self Assembled Monolayers: Functional Modeling of Cytochrome P450. <i>Inorganic Chemistry</i> , 2013, 52, 2000-2014.	4.0	62
3	The protonation state of thiols in self-assembled monolayers on roughened Ag/Au surfaces and nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24866-24873.	2.8	34
4	Electrocatalytic O <sub>2</sub> reduction by a monolayer of hemin: the role of pK <sub>a</sub> of distal and proximal oxygen of a Fe <sup>III</sup> -OOH species in determining reactivity. <i>Chemical Communications</i> , 2014, 50, 12304-12307.	4.1	30
5	Three-Dimensional Super-resolution Imaging of Single Nanoparticles Delivered by Pipettes. <i>ACS Nano</i> , 2017, 11, 10529-10538.	14.6	30
6	Effect of Axial Ligand, Spin State, and Hydrogen Bonding on the Inner-Sphere Reorganization Energies of Functional Models of Cytochrome P450. <i>Inorganic Chemistry</i> , 2014, 53, 10150-10158.	4.0	21
7	Convenient detection of the thiol functional group using H/D isotope sensitive Raman spectroscopy. <i>Analyst</i> , 2014, 139, 2118-2121.	3.5	20
8	Second sphere control of spin state: Differential tuning of axial ligand bonds in ferric porphyrin complexes by hydrogen bonding. <i>Journal of Inorganic Biochemistry</i> , 2016, 155, 82-91.	3.5	20
9	The proteome and its dynamics: A missing piece for integrative multi-omics in schizophrenia. <i>Schizophrenia Research</i> , 2020, 217, 148-161.	2.0	16
10	Ammonium tetrathiomolybdate as a novel electrode material for convenient tuning of the kinetics of electrochemical O <sub>2</sub> reduction by using iron-porphyrin catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6819-6823.	10.3	13
11	Tuning the apparent formal potential of covalently attached ferrocene using SAM bearing ionizable COOH groups. <i>Electrochimica Acta</i> , 2013, 108, 624-633.	5.2	12
12	Modular synthesis, spectroscopic characterization and in situ functionalization using click chemistry of azide terminated amide containing self-assembled monolayers. <i>RSC Advances</i> , 2013, 3, 17174.	3.6	11
13	Three phases in pH dependent heme abstraction from myoglobin. <i>Journal of Inorganic Biochemistry</i> , 2017, 172, 80-87.	3.5	7
14	Kinetic Isotope Effects on Electron Transfer Across Self-Assembled Monolayers on Gold. <i>Inorganic Chemistry</i> , 2021, 60, 597-605.	4.0	7