

# Samya Banerjee

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,811  
citations

185998

28  
h-index

189595

50  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted photoredox catalysis in cancer cells. <i>Nature Chemistry</i> , 2019, 11, 1041-1048.	6.6	293
2	Metal Complexes of Curcumin for Cellular Imaging, Targeting, and Photoinduced Anticancer Activity. <i>Accounts of Chemical Research</i> , 2015, 48, 2075-2083.	7.6	240
3	Nucleus-Targeted Organoiridium-Albumin Conjugate for Photodynamic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2350-2354.	7.2	134
4	Recent Advances in the Design of Targeted Iridium(III) Photosensitizers for Photodynamic Therapy. <i>ChemBioChem</i> , 2018, 19, 1574-1589.	1.3	133
5	Remarkable photocytotoxicity of curcumin in HeLa cells in visible light and arresting its degradation on oxovanadium(IV) complex formation. <i>Chemical Communications</i> , 2012, 48, 7702.	2.2	122
6	Novel mitochondria targeted copper(II) complexes of ferrocenyl terpyridine and anticancer active 8-hydroxyquinolines showing remarkable cytotoxicity, DNA and protein binding affinity. <i>Dalton Transactions</i> , 2017, 46, 396-409.	1.6	97
7	In vitro and In vivo Photocatalytic Cancer Therapy with Biocompatible Iridium(III) Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9474-9479.	7.2	89
8	A rhodamine-based "turn-on" Al <sup>3+</sup> ion-selective reporter and the resultant complex as a secondary sensor for F <sup>+</sup> ion are applicable to living cell staining. <i>Dalton Transactions</i> , 2015, 44, 8708-8717.	1.6	76
9	Enhancing the photocytotoxic potential of curcumin on terpyridyl lanthanide(III) complex formation. <i>Dalton Transactions</i> , 2013, 42, 182-195.	1.6	74
10	Endoplasmic reticulum targeted chemotherapeutics: the remarkable photo-cytotoxicity of an oxovanadium(IV) vitamin-B6 complex in visible light. <i>Chemical Communications</i> , 2014, 50, 5590-5592.	2.2	68
11	Remarkable enhancement in photocytotoxicity and hydrolytic stability of curcumin on binding to an oxovanadium(IV) moiety. <i>Dalton Transactions</i> , 2015, 44, 4108-4122.	1.6	61
12	Photorelease and Cellular Delivery of Mitocurcumin from Its Cytotoxic Cobalt(III) Complex in Visible Light. <i>Inorganic Chemistry</i> , 2016, 55, 6027-6035.	1.9	55
13	Selective and Sensitive Turn-on Chemosensor for Arsenite Ion at the ppb Level in Aqueous Media Applicable in Cell Staining. <i>Analytical Chemistry</i> , 2014, 86, 11357-11361.	3.2	54
14	BODIPY appended copper(II) complexes of curcumin showing mitochondria targeted remarkable photocytotoxicity in visible light. <i>MedChemComm</i> , 2015, 6, 846-851.	3.5	54
15	Curcumin "Drug"-Stabilized in Oxidovanadium(IV)-BODIPY Conjugates for Mitochondria-Targeted Photocytotoxicity. <i>Inorganic Chemistry</i> , 2017, 56, 12457-12468.	1.9	51
16	Recent advances in endoplasmic reticulum targeting metal complexes. <i>Coordination Chemistry Reviews</i> , 2020, 408, 213178.	9.5	50
17	Transfer hydrogenation catalysis in cells. <i>RSC Chemical Biology</i> , 2021, 2, 12-29.	2.0	50
18	Effect of metal oxidation state on FRET: a Cu(I) silent but selectively Cu(II) responsive fluorescent reporter and its bioimaging applications. <i>Dalton Transactions</i> , 2015, 44, 1761-1768.	1.6	46

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19	A naphtheleneâ€“pyrazol conjugate: Al( <sup>iii</sup> ) ion-selective blue shifting chemosensor applicable as biomarker in aqueous solution. <i>Analyst</i> , 2014, 139, 4828-4835.	1.7	44
20	Photocytotoxic Oxidovanadium(IV) Complexes of Polypyridyl Ligands Showing DNAâ€“Cleavage Activity in Nearâ€“IR Light. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3899-3908.	1.0	41
21	Significant photocytotoxic effect of an iron( <sup>iii</sup> ) complex of a Schiff base ligand derived from vitamin B <sub>6</sub> and thiosemicarbazide in visible light. <i>RSC Advances</i> , 2015, 5, 29276-29284.	1.7	40
22	Visible light-induced cytotoxicity of a dinuclear iron(III) complex of curcumin with low-micromolar IC <sub>50</sub> value in cancer cells. <i>Inorganica Chimica Acta</i> , 2016, 439, 8-17.	1.2	39
23	Mitochondrial selectivity and remarkable photocytotoxicity of a ferrocenyl neodymium( <sup>iii</sup> ) complex of terpyridine and curcumin in cancer cells. <i>Dalton Transactions</i> , 2016, 45, 6424-6438.	1.6	38
24	BODIPY appended copper( <sup>ii</sup> ) complexes for cellular imaging and singlet oxygen mediated anticancer activity in visible light. <i>RSC Advances</i> , 2016, 6, 104474-104482.	1.7	37
25	Ligand-centred redox activation of inert organoiridium anticancer catalysts. <i>Chemical Science</i> , 2020, 11, 5466-5480.	3.7	35
26	Mitochondria targeting Photocytotoxic Oxidovanadium(IV) Complexes of Curcumin and (Acridinyl)dipyridophenazine in Visible Light. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1195-1204.	0.6	34
27	New activation mechanism for half-sandwich organometallic anticancer complexes. <i>Chemical Science</i> , 2018, 9, 3177-3185.	3.7	34
28	Remarkable visible light-triggered cytotoxicity of mitochondria targeting mixed-ligand cobalt( <sup>iii</sup> ) complexes of curcumin and phenanthroline bases binding to human serum albumin. <i>RSC Advances</i> , 2015, 5, 16641-16653.	1.7	31
29	Endoplasmic reticulum targeting tumour selective photocytotoxic oxovanadium( <sup>iv</sup> ) complexes having vitamin-B6 and acridinyl moieties. <i>Dalton Transactions</i> , 2016, 45, 783-796.	1.6	30
30	Remarkable Selectivity and Photoâ€“Cytotoxicity of an Oxidovanadium(IV) Complex of Curcumin in Visible Light. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 447-457.	1.0	28
31	Targeted photocytotoxicity by copper(II) complexes having vitamin B 6 and photoactive acridine moieties. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 497-509.	2.6	26
32	Ligandâ€“Controlled Reactivity and Cytotoxicity of Cyclometalated Rhodium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1052-1060.	1.0	26
33	Photocytotoxic luminescent lanthanide complexes of DTPAâ€“bisamide using quinoline as photosensitizer. <i>RSC Advances</i> , 2015, 5, 107503-107513.	1.7	25
34	Potent anticancer activity of photo-activated oxo-bridged diiron(III) complexes. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 816-824.	2.6	24
35	Inâ€“vitro and Inâ€“vivo Photocatalytic Cancer Therapy with Biocompatible Iridium(III) Photocatalysts. <i>Angewandte Chemie</i> , 2021, 133, 9560-9565.	1.6	24
36	A Neutral Threeâ€“Membered 2â€“Aromatic Disilaborirane and the Unique Conversion into a Fourâ€“Membered BSi <sub>2</sub> Nâ€“Ring. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23015-23019.	7.2	23

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37	LMCT transition-based red-light photochemotherapy using a tumour-selective ferrocenyl iron(III) coumarin conjugate. <i>Chemical Communications</i> , 2020, 56, 7981-7984.	2.2	23
38	Ferrocene conjugated copper(II) complexes of terpyridine and traditional Chinese medicine (TCM) anticancer ligands showing selective toxicity towards cancer cells. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4287.	1.7	22
39	An ultrasound activated cyanine-rhenium(III) complex for sonodynamic and gas synergistic therapy. <i>Chemical Communications</i> , 2022, 58, 3314-3317.	2.2	22
40	Single-Cell Quantification of a Highly Biocompatible Dinuclear Iridium(III) Complex for Photocatalytic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
41	Nucleus-targeted organoiridium-albumin conjugate for photoactivated cancer therapy. <i>Angewandte Chemie</i> , 2018, 131, 2372.	1.6	20
42	Substituent effect on fluorescence signaling of the cell permeable HSO <sub>4</sub> <sup>-</sup> receptors through single point to ratiometric response in green solvent. <i>RSC Advances</i> , 2014, 4, 27665-27673.	1.7	19
43	Endoplasmic Reticulum: Target for Next-Generation Cancer Therapy. <i>ChemBioChem</i> , 2018, 19, 2341-2343.	1.3	19
44	Rotational Effects within Nucleosome Core Particles on Abasic Site Reactivity. <i>Biochemistry</i> , 2018, 57, 3945-3952.	1.2	17
45	Cyclic (Alkyl)(Amino)Carbene-Stabilized Aluminum and Gallium Radicals Based on Amidinate Scaffolds. <i>Inorganic Chemistry</i> , 2020, 59, 11253-11258.	1.9	16
46	Sonodynamic cancer therapy by novel iridium-gold nanoassemblies. <i>Chinese Chemical Letters</i> , 2022, 33, 1907-1912.	4.8	16
47	Metal-Based Catalytic Drug Development for Next-Generation Cancer Therapy. <i>ChemMedChem</i> , 2021, 16, 2480-2486.	1.6	15
48	A quinazoline derivative as quick-response red-shifted reporter for nanomolar Al <sup>3+</sup> and applicable to living cell staining. <i>RSC Advances</i> , 2014, 4, 64014-64020.	1.7	14
49	Probing Enhanced Double-Strand Break Formation at Abasic Sites within Clustered Lesions in Nucleosome Core Particles. <i>Biochemistry</i> , 2017, 56, 14-21.	1.2	14
50	Cellular imaging and mitochondria targeted photo-cytotoxicity in visible light by singlet oxygen using a BODIPY-appended oxovanadium(IV) DNA crosslinking agent. <i>MedChemComm</i> , 2016, 7, 1398-1404.	3.5	13
51	Photocytotoxic ternary copper(II) complexes of histamine Schiff base and pyridyl ligands. <i>Journal of Chemical Sciences</i> , 2016, 128, 165-175.	0.7	13
52	Synthesis, Theory and In Vitro Photodynamic Activities of New Copper(II)-Histidinato Complexes. <i>ChemistrySelect</i> , 2018, 3, 2767-2775.	0.7	13
53	Dual-action platinum(II) Schiff base complexes: Photocytotoxicity and cellular imaging. <i>Polyhedron</i> , 2019, 172, 157-166.	1.0	13
54	Strategies for conjugating iridium(III) anticancer complexes to targeting peptides via copper-free click chemistry. <i>Inorganica Chimica Acta</i> , 2020, 503, 119396.	1.2	13

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55	Label-Free Nanoimaging of Neuromelanin in the Brain by Soft X-ray Spectromicroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11984-11991.	7.2	13
56	Synergistic Effects of an Irreversible DNA Polymerase Inhibitor and DNA Damaging Agents on HeLa Cells. <i>ACS Chemical Biology</i> , 2017, 12, 1576-1583.	1.6	12
57	Cholesterol: A Key in the Pathogenesis of Alzheimer's Disease. <i>ChemMedChem</i> , 2018, 13, 1742-1743.	1.6	11
58	Highly Efficient Ir(III)-Coumarin Photo-Redox Catalyst for Synergetic Multi-Mode Cancer Photo-Therapy. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	11
59	Terpyridyl oxovanadium(IV) complexes for DNA crosslinking and mito-targeted photocytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 45-54.	1.5	10
60	Crystal structure, DNA crosslinking and photo-induced cytotoxicity of oxovanadium(IV) conjugates of boron-dipyrromethene. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110817.	1.5	10
61	Photoinduced DNA Crosslink Formation by Dichloridooxidovanadium(IV) Complexes of Polypyridyl Bases. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3986-3990.	1.0	9
62	A bio-attuned ratiometric hydrogen sulfate ion selective receptor in aqueous solvent: structural proof of the H-bonded adduct. <i>RSC Advances</i> , 2015, 5, 4468-4474.	1.7	9
63	Polypyridyl Ruthenium(II) Complexes with Red-Shifted Absorption: New Promises in Photodynamic Therapy. <i>ChemBioChem</i> , 2021, 22, 2407-2409.	1.3	9
64	Os(II) complexes for catalytic anticancer therapy: recent update. <i>Chemical Communications</i> , 2022, 58, 4825-4836.	2.2	8
65	Engineered Exosomes as a Photosensitizer Delivery Platform for Cancer Photodynamic Therapy. <i>ChemMedChem</i> , 2022, 17, .	1.6	8
66	Sonodynamic Therapy with Metal Complexes: A New Promise in Cancer Therapy. <i>ChemMedChem</i> , 2022, 17, .	1.6	8
67	ROS dependent antitumour activity of photo-activated iron(III) complexes of amino acids. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	7
68	Vibrational Motions Make Significant Contributions to Sequential Methyl C-H Activations in an Organometallic Complex. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 658-662.	2.1	7
69	Effect of cysteine thiols on the catalytic and anticancer activity of Ru(II) sulfonyl-ethylenediamine complexes. <i>Dalton Transactions</i> , 2022, 51, 4447-4457.	1.6	7
70	Al <sup>3+</sup> -Ion-Triggered Conformational Isomerization of a Rhodamine B Derivative Evidenced by a Fluorescence Signal - A Crystallographic Proof. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1383-1389.	1.0	6
71	Amidinate based indium(III) monohalides and $\eta^2$ -diketiminato stabilized In(II)-In(II) bond: synthesis, crystal structure, and computational study. <i>Dalton Transactions</i> , 2020, 49, 14231-14236.	1.6	6
72	A Neutral Three-Membered 2-Aromatic Disilaborirane and the Unique Conversion into a Four-Membered BSi <sub>2</sub> N-Ring. <i>Angewandte Chemie</i> , 2020, 132, 23215-23219.	1.6	4

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73	Preparation and Reactivity Studies of Four and Five coordinated Amidinate Aluminum Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1735-1743.	0.6	4
74	Combination of Immunotherapy and Photoinduced Pyroptosis as Novel Anticancer Strategy. ChemBioChem, 2022, 23, .	1.3	4
75	In Situ Oxygen-Evolving Photoactive Nanococktail: The Future of Hypoxic Tumour Photodynamic Therapy. ChemBioChem, 2019, 20, 2322-2323.	1.3	3
76	Single-Cell Quantification of a Highly Biocompatible Dinuclear Iridium(III) Complex for Photocatalytic Cancer Therapy. Angewandte Chemie, 2022, 134, .	1.6	3
77	Synthesis and computational aspects of Al(II)-Al(II) and Ga(II)-Ga(II) dihalides based on an amidinate scaffold. Dalton Transactions, 2022, 51, 4898-4902.	1.6	2
78	Generation of maghemite nanocrystals from iron-sulfur centres. Dalton Transactions, 2019, 48, 9564-9569.	1.6	1
79	Label-Free Nanoimaging of Neuromelanin in the Brain by Soft X-ray Spectromicroscopy. Angewandte Chemie, 2020, 132, 12082-12089.	1.6	0