

# Santimukul Santra

## List of Publications by Year in descending order

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41  
papers

4,185  
citations

257450

24  
h-index

265206

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43  
docs citations

43  
times ranked

6904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidase-Like Activity of Polymer-Coated Cerium Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2308-2312.	13.8	1,015
2	Surface-Charge-Dependent Cell Localization and Cytotoxicity of Cerium Oxide Nanoparticles. <i>ACS Nano</i> , 2010, 4, 5321-5331.	14.6	581
3	Drug/Dye-Loaded, Multifunctional Iron Oxide Nanoparticles for Combined Targeted Cancer Therapy and Dual Optical/Magnetic Resonance Imaging. <i>Small</i> , 2009, 5, 1862-1868.	10.0	343
4	Cell-Specific, Activatable, and Theranostic Prodrug for Dual-Targeted Cancer Imaging and Therapy. <i>Journal of the American Chemical Society</i> , 2011, 133, 16680-16688.	13.7	264
5	Emerging nanotechnology-based strategies for the identification of microbial pathogenesis. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 408-423.	13.7	260
6	pH-Tunable Oxidase-Like Activity of Cerium Oxide Nanoparticles Achieving Sensitive Fluorogenic Detection of Cancer Biomarkers at Neutral pH. <i>Analytical Chemistry</i> , 2011, 83, 2547-2553.	6.5	232
7	A Comparison of Optical, Electrochemical, Magnetic, and Colorimetric Point-of-Care Biosensors for Infectious Disease Diagnosis. <i>ACS Infectious Diseases</i> , 2018, 4, 1162-1178.	3.8	154
8	Gadolinium-Encapsulating Iron Oxide Nanoprobe as Activatable NMR/MRI Contrast Agent. <i>ACS Nano</i> , 2012, 6, 7281-7294.	14.6	108
9	Cytochrome <i>c</i> Encapsulating Theranostic Nanoparticles: A Novel Bifunctional System for Targeted Delivery of Therapeutic Membrane-Impermeable Proteins to Tumors and Imaging of Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2010, 7, 1209-1222.	4.6	102
10	Role of Nanoparticle Valency in the Nondestructive Magnetic-Relaxation-Mediated Detection and Magnetic Isolation of Cells in Complex Media. <i>Journal of the American Chemical Society</i> , 2009, 131, 12780-12791.	13.7	96
11	Environment-responsive nanophores for therapy and treatment monitoring via molecular MRI quenching. <i>Nature Communications</i> , 2014, 5, 3384.	12.8	92
12	Cerium oxide nanoparticles: a $\cdot$ radical™ approach to neurodegenerative disease treatment. <i>Nanomedicine</i> , 2017, 12, 545-553.	3.3	74
13	PSMA-Targeted Theranostic Nanocarrier for Prostate Cancer. <i>Theranostics</i> , 2017, 7, 2477-2494.	10.0	59
14	Multiparametric Magneto-fluorescent Nanosensors for the Ultrasensitive Detection of <i>Escherichia coli</i> O157:H7. <i>ACS Infectious Diseases</i> , 2016, 2, 667-673.	3.8	57
15	Aliphatic Hyperbranched Polyester: A New Building Block in the Construction of Multifunctional Nanoparticles and Nanocomposites. <i>Langmuir</i> , 2010, 26, 5364-5373.	3.5	56
16	Polymer coated gold-ferric oxide superparamagnetic nanoparticles for theranostic applications. <i>Journal of Nanobiotechnology</i> , 2018, 16, 80.	9.1	50
17	Targeting chaperonin containing TCP1 (CCT) as a molecular therapeutic for small cell lung cancer. <i>Oncotarget</i> , 2017, 8, 110273-110288.	1.8	49
18	The Assembly State between Magnetic Nanosensors and Their Targets Orchestrates Their Magnetic Relaxation Response. <i>Journal of the American Chemical Society</i> , 2011, 133, 3668-3676.	13.7	47

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19	Combination Therapy of NSCLC Using Hsp90 Inhibitor and Doxorubicin Carrying Functional Nanoceria. <i>Molecular Pharmaceutics</i> , 2017, 14, 875-884.	4.6	44
20	A cerium oxide nanoparticle-based device for the detection of chronic inflammation via optical and magnetic resonance imaging. <i>Nanoscale</i> , 2012, 4, 2117.	5.6	39
21	Rational Development of a Cytotoxic Peptide To Trigger Cell Death. <i>Molecular Pharmaceutics</i> , 2012, 9, 2080-2093.	4.6	37
22	Selective $\alpha$ -Alkylation of $\beta$ -Alanine Facilitates the Synthesis of a Poly(amino acid)-Based Theranostic Nanoagent. <i>Biomacromolecules</i> , 2011, 12, 3917-3927.	5.4	27
23	Design and Synthesis of New Sulfur-Containing Hyperbranched Polymer and Theranostic Nanomaterials for Bimodal Imaging and Treatment of Cancer. <i>ACS Macro Letters</i> , 2017, 6, 235-240.	4.8	25
24	Diphenylbutylpiperidine Antipsychotic Drugs Inhibit Prolactin Receptor Signaling to Reduce Growth of Pancreatic Ductal Adenocarcinoma in Mice. <i>Gastroenterology</i> , 2020, 158, 1433-1449.e27.	1.3	23
25	Highly Sensitive, Engineered Magnetic Nanosensors to Investigate the Ambiguous Activity of Zika Virus and Binding Receptors. <i>Scientific Reports</i> , 2017, 7, 7377.	3.3	22
26	Rapid and Sensitive Detection of an Intracellular Pathogen in Human Peripheral Leukocytes with Hybridizing Magnetic Relaxation Nanosensors. <i>PLoS ONE</i> , 2012, 7, e35326.	2.5	20
27	Novel magnetic relaxation nanosensors: an unparalleled $\alpha$ -spin on influenza diagnosis. <i>Nanoscale</i> , 2016, 8, 19605-19613.	5.6	16
28	Facile synthesis of aliphatic hyperbranched polyesters based on diethyl malonate and their irreversible molecular encapsulation. Electronic supplementary information (ESI) available: Experimental details along with the spectral data and UV/Vis spectra for encapsulation studies. See <a href="http://www.rsc.org/suppdata/cc/b4/b404447a/">http://www.rsc.org/suppdata/cc/b4/b404447a/</a> . <i>Chemical Communications</i> , 2004, , 2126.	4.1	14
29	Nanomedicine-Assisted Combination Therapy of NSCLC: New Platinum-Based Anticancer Drug Synergizes the Therapeutic Efficacy of Ganetespib. <i>Nanotheranostics</i> , 2019, 3, 120-134.	5.2	14
30	Identification of Molecular-Mimicry-Based Ligands for Cholera Diagnostics using Magnetic Relaxation. <i>Bioconjugate Chemistry</i> , 2011, 22, 307-314.	3.6	10
31	How can nanosensors detect bacterial contamination before it ever reaches the dinner table?. <i>Future Microbiology</i> , 2017, 12, 97-100.	2.0	9
32	Foodborne Pathogen Screening Using Magneto-fluorescent Nanosensor: Rapid Detection of <i>E. Coli</i> O157:H7. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8
33	Alkene azide chemistry: a facile, one-step, solvent- and catalyst-free approach for developing new functional monomers and polymers. <i>Polymer Chemistry</i> , 2020, 11, 3723-3731.	3.9	7
34	Multimodal Magneto-Fluorescent Nanosensor for Rapid and Specific Detection of Blood-Borne Pathogens. <i>ACS Applied Nano Materials</i> , 2019, 2, 5587-5593.	5.0	6
35	Therapeutic Efficacy of Lactonic Sphorolipids: Nanoceria-Assisted Combination Therapy of NSCLC using HDAC and Hsp90 Inhibitors. <i>Nanotheranostics</i> , 2021, 5, 391-404.	5.2	6
36	Hyperstar Polyester-Based Functional Nanotheranostics for the Targeted Drug Delivery and Treatment of Cancer. <i>ChemNanoMat</i> , 2019, 5, 1506-1514.	2.8	5

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37	Zika: An emerging disease requiring prevention and awareness. PLoS Neglected Tropical Diseases, 2018, 12, e0006486.	3.0	4
38	Selective O-Alkylation of 2,2-Bis(hydroxymethyl)propionic Acid to Synthesize Biodegradable Polymers for Drug Delivery Applications. ACS Applied Polymer Materials, 2020, 2, 3465-3473.	4.4	4
39	Pseudo-branched polyester copolymer: an efficient drug delivery system to treat cancer. Biomaterials Science, 2020, 8, 1592-1603.	5.4	3
40	Rapid Detection and One-Step Differentiation of Cross-Reactivity Between Zika and Dengue Virus Using Functional Magnetic Nanosensors. ACS Applied Bio Materials, 2021, 4, 3786-3795.	4.6	2
41	A Bimodal Nanosensor for Probing Influenza Fusion Protein Activity Using Magnetic Relaxation. ACS Sensors, 2021, 6, 1899-1909.	7.8	0