

# Sukdeb Pal

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

4,104  
citations

643344

15  
h-index

445137

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

8120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Layered double hydroxides (LDHs)-based photocatalysts for dye degradation: a review. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 5733-5752.	1.8	8
2	Profiling of emerging contaminants and antibiotic resistance in sewage treatment plants: An Indian perspective. <i>Journal of Hazardous Materials</i> , 2021, 408, 124877.	6.5	47
3	Adsorption of five emerging contaminants on activated carbon from aqueous medium: kinetic characteristics and computational modeling for plausible mechanism. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21347-21358.	2.7	32
4	Assessment of Environmental Water Security of an Asian Deltaic Megacity and Its Peri-Urban Wetland Areas. <i>Sustainability</i> , 2021, 13, 2772.	1.6	8
5	SARS-CoV-2: sewage surveillance as an early warning system and challenges in developing countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22221-22240.	2.7	38
6	Carwash wastewater treatment using the chemical processes. <i>Water Science and Technology</i> , 2021, 84, 16-26.	1.2	10
7	Heterolayered TiO <sub>2</sub> @layered double hydroxide-MoS <sub>2</sub> nanostructure for simultaneous adsorption-photocatalysis of co-existing water contaminants. <i>Applied Surface Science</i> , 2021, 553, 149577.	3.1	28
8	Photo-Induced Synthesis of Coral-Like Hierarchical Ag@Fe Bimetallic Multifunctional Nanostructures. <i>Chemistry of Materials</i> , 2021, 33, 6501-6513.	3.2	5
9	Utilization of layered double hydroxides (LDHs) and their derivatives as photocatalysts for degradation of organic pollutants. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59551-59569.	2.7	15
10	Mitochondrial dysfunction is a key determinant of the rare disease lymphangioleiomyomatosis and provides a novel therapeutic target. <i>Oncogene</i> , 2019, 38, 3093-3101.	2.6	7
11	Targeted Delivery of siRNA Therapeutics using Ligand Mediated Biodegradable Polymeric Nanocarriers. <i>Current Pharmaceutical Design</i> , 2018, 24, 1788-1800.	0.9	3
12	Carbon and nutrient-limiting conditions stimulate biodegradation of low concentration of phenol. <i>Biochemical Engineering Journal</i> , 2017, 126, 40-49.	1.8	10
13	Shape-Dependent Skin Penetration of Silver Nanoparticles: Does It Really Matter?. <i>Scientific Reports</i> , 2015, 5, 16908.	1.6	137
14	A multifunctional composite of an antibacterial higher-valent silver metallopharmaceutical and a potent wound healing polypeptide: a combined killing and healing approach to wound care. <i>New Journal of Chemistry</i> , 2014, 38, 3889-3898.	1.4	18
15	Feasibility of bioengineered two-stages sequential batch reactor and filtration adsorption process for complex agrochemical effluent. <i>Bioresource Technology</i> , 2013, 148, 334-342.	4.8	5
16	Quantitative Classification of DNA Damages Induced by Submicromolar Cadmium Using Oligonucleotide Chip Coupled with Lesion-Specific Endonuclease Digestion. <i>Environmental Science &amp; Technology</i> , 2011, 45, 4460-4467.	4.6	4
17	High-content screening of drug-induced cardiotoxicity using quantitative single cell imaging cytometry on microfluidic device. <i>Lab on A Chip</i> , 2011, 11, 104-114.	3.1	44
18	Development of radiation indicators to distinguish between irradiated and non-irradiated herbal medicines using HPLC and GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 943-953.	1.9	8

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19	Pulsed photostimulated- and thermo-luminescence investigations of $\text{I}^{137}$ ray-irradiated herbs. <i>Food Chemistry</i> , 2010, 122, 1290-1297.	4.2	11
20	Metallopharmaceuticals based on silver(I) and silver(II) polydiguanide complexes: activity against burn wound pathogens. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 2134-2140.	1.3	26
21	Nanocrystalline Silver Supported on Activated Carbon Matrix from Hydrosol: Antibacterial Mechanism Under Prolonged Incubation Conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2092-2103.	0.9	26
22	Oligonucleotide chip assay for quantification of gamma ray-induced single strand breaks. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 562-566.	1.4	3
23	Interdigitated microelectrode array-coupled bipolar semiconductor photodiode array (IMEA-PDA) microchip for on-chip electrochemiluminescence detection. <i>Biomedical Microdevices</i> , 2009, 11, 971-980.	1.4	5
24	Identification of $\text{I}^{137}$ -ray irradiated medicinal herbs using pulsed photostimulated luminescence, thermoluminescence, and electron spin resonance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1931-1945.	1.9	6
25	Synthesis of Highly Antibacterial Nanocrystalline Trivalent Silver Polydiguanide. <i>Journal of the American Chemical Society</i> , 2009, 131, 16147-16155.	6.6	68
26	Monitoring the (photo)genotoxicity of photosensitizer drugs: Direct quantitation of single-strand breaks in deoxyribonucleic acid using an oligonucleotide chip. <i>Analytical Biochemistry</i> , 2008, 382, 40-47.	1.1	9
27	Quantitation of ultraviolet-induced single-strand breaks using oligonucleotide chip. <i>Analytica Chimica Acta</i> , 2008, 622, 195-200.	2.6	4
28	Quantitation of surface coverage of oligonucleotides bound to chip surfaces: a fluorescence-based approach using alkaline phosphatase digestion. <i>Lab on A Chip</i> , 2008, 8, 1332.	3.1	20
29	Does the Antibacterial Activity of Silver Nanoparticles Depend on the Shape of the Nanoparticle? A Study of the Gram-Negative Bacterium <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 1712-1720.	1.4	3,422
30	Determination of the dose-depth distribution of proton beam using resazurin assay in vitro and diode laser-induced fluorescence detection. <i>Analytica Chimica Acta</i> , 2007, 593, 214-223.	2.6	15
31	Removal of <i>E. coli</i> from Water Using Surface-Modified Activated Carbon Filter Media and Its Performance over an Extended Use. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6091-6097.	4.6	39
32	A Model Study for Vanadium Protein Interactions: Synthesis, Characterization of Oxovanadium (IV and) $\text{Ti}(\text{O})_2$ / Overlock 10 <i>Chemistry</i> , 2005, 35, 127-132.	0.6	3