

# Sudhakara Prasad Kariate

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,246  
citations

623188

14  
h-index

476904

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Au Nanocube-Directed Fabrication of Au <sup>~</sup> Pd Core <sup>~</sup> Shell Nanocrystals with Tetrahedral, Concave Octahedral, and Octahedral Structures and Their Electrocatalytic Activity. <i>Journal of the American Chemical Society</i> , 2010, 132, 14546-14553.	6.6	375
2	Facile synthesis and complete characterization of homoleptic and heteroleptic cyclometalated Iridium(III) complexes for photocatalysis. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 51-59.	0.8	154
3	The role of oxygen functionalities and edge plane sites on screen-printed carbon electrodes for simultaneous determination of dopamine, uric acid and ascorbic acid. <i>Electrochemistry Communications</i> , 2008, 10, 559-563.	2.3	145
4	A low-cost nanomaterial-based electrochemical immunosensor on paper for high-sensitivity early detection of pancreatic cancer. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127516.	4.0	103
5	Microwave-Assisted One-Pot Synthesis of Metal-Free Nitrogen and Phosphorus Dual-Doped Nanocarbon for Electrocatalysis and Cell Imaging. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 557-564.	1.2	70
6	Mediatorless catalytic oxidation of NADH at a disposable electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 715-719.	4.0	55
7	Graphene based sensors in the detection of glucose in saliva – a promising emerging modality to diagnose diabetes mellitus. <i>Analytical Methods</i> , 2016, 8, 6255-6259.	1.3	40
8	A new method to amplify colorimetric signals of paper-based nanobiosensors for simple and sensitive pancreatic cancer biomarker detection. <i>Analyst</i> , 2020, 145, 5113-5117.	1.7	29
9	Synthesis, characterization, and electrochemical applications of carbon nanoparticles derived from castor oil soot. <i>Talanta</i> , 2012, 88, 445-449.	2.9	28
10	Why chitosan could be apt candidate for glaucoma drug delivery - An overview. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 47-65.	3.6	26
11	Graphene and Graphene-Based Materials in Biomedical Science. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800105.	1.2	21
12	Catalytic properties of Au and Pd nanoparticles decorated on Cu <sub>2</sub> O microcubes for aerobic benzyl alcohol oxidation and Suzuki-Miyaura coupling reactions in water. <i>Applied Catalysis A: General</i> , 2014, 476, 72-77.	2.2	20
13	Enhanced electroactivity and substrate affinity of microperoxidase-11 attached to pyrene-linkers – stacked on carbon nanostructure electrodes. <i>RSC Advances</i> , 2015, 5, 11845-11849.	1.7	18
14	A Microbial Sensor Based on Direct Electron Transfer at <i>Shewanella</i> Sp. Drop-Coated Screen-Printed Carbon Electrodes. <i>Electroanalysis</i> , 2009, 21, 1646-1650.	1.5	16
15	Direct Electrocatalytic Oxidation of Cysteine and Cystine Based on Nafion/Lead Oxide-Manganese Oxide Combined Catalyst. <i>Electroanalysis</i> , 2008, 20, 1167-1174.	1.5	15
16	Template-free synthesis of an electroactive Au-Calix-PPY nanocomposite for electrochemical sensor applications. <i>Green Chemistry</i> , 2012, 14, 799.	4.6	14
17	Early detection of leptospirosis using Anti-LipL32 carbon nanotube immunofluorescence probe. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 424-430.	1.1	14
18	Low cost paper electrodes and the role of oxygen functionalities and edge-plane sites towards trolox sensing. <i>Microchemical Journal</i> , 2020, 158, 105164.	2.3	12

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19	Microwave Assisted Synthesis of Hybrid Cu <sub>2</sub> O Microcubes for Photocatalysis and Electrocatalysis. <i>Materials Today: Proceedings</i> , 2018, 5, 16390-16393.	0.9	11
20	Towards CRISPR powered electrochemical sensing for smart diagnostics. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100829.	2.5	11
21	Paper-based field-effect transistor sensors. <i>Talanta</i> , 2022, 239, 123085.	2.9	11
22	Novel chitosan - graphene quantum dots composite for therapeutic delivery and tracking through enzymatic stimuli response. <i>Carbohydrate Polymers</i> , 2022, 289, 119426.	5.1	11
23	Low-cost Paper Analytical Devices for Environmental and Biomedical Sensing Applications. <i>Energy, Environment, and Sustainability</i> , 2018, , 315-341.	0.6	10
24	Computer numerical control-printed paper electrodes for electrochemical detection of <i>Pseudomonas aeruginosa</i> virulence factor pyocyanin. <i>Electrochemistry Communications</i> , 2022, 137, 107259.	2.3	10
25	Revisiting fluorescent carbon nanodots for environmental, biomedical applications and puzzle about fluorophore impurities. <i>Nano Structures Nano Objects</i> , 2019, 20, 100391.	1.9	9
26	Evaluation of anti-LipL32 carbon nanotube immunofluorescence probe (carbo-lip) and comparison with MAT, IgM ELISA, IgM spot test and culture for early detection of leptospirosis at local hospital. <i>Journal of Microbiological Methods</i> , 2022, 195, 106448.	0.7	7
27	A Non-enzymatic Disposable Electrochemical Sensor for Pyruvic Acid. <i>Electroanalysis</i> , 2020, 32, 2237-2243.	1.5	6
28	A Tunable Multicolor Photoluminescent Nanocarbon Prepared from Castor Oil Soot. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 802-808.	0.8	4
29	Antimicrobial Properties of Sonochemically Treated Graphene Oxides Sheets. <i>Materials Today: Proceedings</i> , 2018, 5, 16669-16674.	0.9	1
30	Detection of Lung Cancer by Modified Irregular Tree Structure Bayesian Network Model Based Image Segmentation. <i>Materials Today: Proceedings</i> , 2019, 11, 1130-1138.	0.9	0
31	Potential Environmental Effects of Engineered Antimicrobial Surfaces. <i>Materials Horizons</i> , 2020, , 135-163.	0.3	0