

# Padmanathan Karthick Kannan

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,270  
citations

567144

15  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Functional Electroactive and Photoactive Materials for Monitoring the Environmental Pollutants. <i>Advanced Functional Materials</i> , 2021, 31, 2008227.	7.8	39
2	Electrochemically Exfoliated WS <sub>2</sub> Nanosheets for the Electrochemical Impedimetric Detection of NADH. <i>ChemElectroChem</i> , 2021, 8, 4597-4604.	1.7	3
3	Recent Advances in 2D Inorganic Nanomaterials for SERS Sensing. <i>Advanced Materials</i> , 2019, 31, e1803432.	11.1	184
4	High Performance Flexible Supercapacitors Based on Ionogel Electrolyte with an Enhanced Ionic Conductivity. <i>ChemistrySelect</i> , 2018, 3, 2190-2195.	0.7	14
5	Indirect Nanoconstruction Morphology of Ni <sub>3</sub> S <sub>2</sub> Electrodes Renovates the Performance for Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 6945-6952.	2.5	24
6	A Facile Electrochemical Preparation of Violarite (Ni <sub>2</sub> FeS <sub>4</sub> ) Nanosheets on Carbon Sheet and its Application towards Non-Enzymatic Glucose Sensing. <i>ChemistrySelect</i> , 2017, 2, 1967-1973.	0.7	6
7	Effect of electrolyte composition on the morphological structures of dendritic copper powders prepared by a spontaneous galvanic displacement reaction. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1483-1489.	1.2	11
8	An impedance sensor for the detection of formaldehyde vapor using ZnO nanoparticles. <i>Journal of Materials Research</i> , 2017, 32, 2800-2809.	1.2	21
9	One-Step Electrodeposition of NiCo <sub>2</sub> S <sub>4</sub> Nanosheets on Patterned Platinum Electrodes for Non-Enzymatic Glucose Sensing. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1837-1841.	1.7	45
10	Neutral pH Gel Electrolytes for V <sub>2</sub> O <sub>5</sub> ·0.5H <sub>2</sub> O-Based Energy Storage Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34455-34463.	4.0	10
11	Fabrication of dendritic silver-coated copper powders by galvanic displacement reaction and their thermal stability against oxidation. <i>Applied Surface Science</i> , 2016, 389, 865-873.	3.1	38
12	The electrochemical 4-chlorophenol sensing properties of a plasma-treated multilayer graphene modified photolithography patterned platinum electrode. <i>RSC Advances</i> , 2016, 6, 105920-105929.	1.7	20
13	Electrochemical sensing of bisphenol using a multilayer graphene nanobelt modified photolithography patterned platinum electrode. <i>Nanotechnology</i> , 2016, 27, 375504.	1.3	17
14	Electrochemical sensing of hydrazine using multilayer graphene nanobelts. <i>RSC Advances</i> , 2016, 6, 11329-11334.	1.7	39
15	Highly sensitive and selective electrochemical dopamine sensing properties of multilayer graphene nanobelts. <i>Nanotechnology</i> , 2016, 27, 075504.	1.3	40
16	Atomically Thin WS <sub>2</sub> Nanosheets Based Gas Sensor. <i>Sensor Letters</i> , 2016, 14, 1249-1254.	0.4	53
17	High Performance Non-Enzymatic Glucose Sensor Based on One-Step Electrodeposited Nickel Sulfide. <i>Chemistry - A European Journal</i> , 2015, 21, 9355-9359.	1.7	85
18	Recent developments in 2D layered inorganic nanomaterials for sensing. <i>Nanoscale</i> , 2015, 7, 13293-13312.	2.8	386

#	ARTICLE	IF	CITATIONS
19	An impedimetric ammonia sensor based on nanostructured $\text{Fe}_2\text{O}_3$ . Journal of Materials Chemistry A, 2014, 2, 394-401.	5.2	34
20	Impedimetric detection of alcohol vapours using nanostructured zinc ferrite. Talanta, 2014, 129, 545-551.	2.9	15
21	CO <sub>2</sub> gas sensing properties of DC reactive magnetron sputtered ZnO thin film. Ceramics International, 2014, 40, 13115-13122.	2.3	92
22	Preparation of DC reactive magnetron sputtered ZnO thin film towards photovoltaic applications. , 2013, , .		2
23	A highly sensitive humidity sensor based on DC reactive magnetron sputtered zinc oxide thin film. Sensors and Actuators A: Physical, 2010, 164, 8-14.	2.0	92