

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	Recent developments in 2D layered inorganic nanomaterials for sensing. <i>Nanoscale</i> , 2015, 7, 13293-13312.	2.8	386
2	Recent Advances in 2D Inorganic Nanomaterials for SERS Sensing. <i>Advanced Materials</i> , 2019, 31, e1803432.	11.1	184
3	A highly sensitive humidity sensor based on DC reactive magnetron sputtered zinc oxide thin film. <i>Sensors and Actuators A: Physical</i> , 2010, 164, 8-14.	2.0	92
4	CO ₂ gas sensing properties of DC reactive magnetron sputtered ZnO thin film. <i>Ceramics International</i> , 2014, 40, 13115-13122.	2.3	92
5	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
6	Atomically Thin WS ₂ Nanosheets Based Gas Sensor. <i>Sensor Letters</i> , 2016, 14, 1249-1254.	0.4	53
7	One-Step Electrodeposition of NiCo ₂ S ₄ Nanosheets on Patterned Platinum Electrodes for Non-enzymatic Glucose Sensing. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1837-1841.	1.7	45
8	Highly sensitive and selective electrochemical dopamine sensing properties of multilayer graphene nanobelts. <i>Nanotechnology</i> , 2016, 27, 075504.	1.3	40
9	Electrochemical sensing of hydrazine using multilayer graphene nanobelts. <i>RSC Advances</i> , 2016, 6, 11329-11334.	1.7	39
10	Advanced Functional Electroactive and Photoactive Materials for Monitoring the Environmental Pollutants. <i>Advanced Functional Materials</i> , 2021, 31, 2008227.	7.8	39
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	An impedimetric ammonia sensor based on nanostructured γ -Fe ₂ O ₃ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 394-401.	5.2	34
13	Indirect Nanoconstruction Morphology of Ni ₃ S ₂ Electrodes Renovates the Performance for Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 6945-6952.	2.5	24
14	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
15	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
16	Electrochemical sensing of bisphenol using a multilayer graphene nanobelt modified photolithography patterned platinum electrode. <i>Nanotechnology</i> , 2016, 27, 375504.	1.3	17
17	Impedimetric detection of alcohol vapours using nanostructured zinc ferrite. <i>Talanta</i> , 2014, 129, 545-551.	2.9	15
18	High-Performance Flexible Supercapacitors Based on Ionogel Electrolyte with an Enhanced Ionic Conductivity. <i>ChemistrySelect</i> , 2018, 3, 2190-2195.	0.7	14

#	ARTICLE	IF	CITATIONS
19	Effect of electrolyte composition on the morphological structures of dendritic copper powders prepared by a spontaneous galvanic displacement reaction. Korean Journal of Chemical Engineering, 2017, 34, 1483-1489.	1.2	11
20	Neutral pH Gel Electrolytes for $V_2O_5 \cdot 0.5H_2O$ -Based Energy Storage Devices. ACS Applied Materials & Interfaces, 2016, 8, 34455-34463.	4.0	10
21	A Facile Electrochemical Preparation of Violarite (Ni_2FeS_4) Nanosheets on Carbon Sheet and its Application towards Non-Enzymatic Glucose Sensing. ChemistrySelect, 2017, 2, 1967-1973.	0.7	6
22	Electrochemically Exfoliated WS_2 Nanosheets for the Electrochemical Impedimetric Detection of NADH. ChemElectroChem, 2021, 8, 4597-4604.	1.7	3
23	Preparation of DC reactive magnetron sputtered ZnO thin film towards photovoltaic applications. , 2013, , .		2