

Subramaniam Jayabal

List of Publications by Year in descending order

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21
papers

1,205
citations

567281
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794594
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docs citations

21
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer Iridium Nanoparticles Coated TiO ₂ Core-Shell Architecture as Efficient Oxygen Evolution Reaction Electrocatalyst. <i>ChemistrySelect</i> , 2021, 6, 9134-9138.	1.5	0
2	Insight into the correlation of Pt-support interactions with electrocatalytic activity and durability in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9420-9446.	10.3	62
3	Unravelling the synergy effects of defect-rich 1T-MoS ₂ /carbon nanotubes for the hydrogen evolution reaction by experimental and calculational studies. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2100-2110.	4.9	34
4	Chapter 9. High Electrocatalytic Performance of Two-dimensional Layered MoS ₂ -based Materials for the Hydrogen Evolution Reaction. <i>RSC Smart Materials</i> , 2019, , 283-310.	0.1	1
5	Facile assembly of Ni(OH) ₂ nanosheets on nitrogen-doped carbon nanotubes network as high-performance electrocatalyst for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2018, 731, 766-773.	5.5	42
6	Metallic 1T-MoS ₂ nanosheets and their composite materials: Preparation, properties and emerging applications. <i>Materials Today Energy</i> , 2018, 10, 264-279.	4.7	75
7	Understanding the high-electrocatalytic performance of two-dimensional MoS ₂ nanosheets and their composite materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24540-24563.	10.3	183
8	Synthesis of nitrogen-doped reduced graphene oxide-multiwalled carbon nanotube composite on nickel foam as electrode for high-performance supercapacitor. <i>Ceramics International</i> , 2017, 43, 20-27.	4.8	37
9	Voltammetric determination of nitric oxide using a glassy carbon electrode modified with a nanohybrid consisting of myoglobin, gold nanorods, and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 3077-3085.	5.0	11
10	Titania@gold plasmonic nanoarchitectures: An ideal photoanode for dye-sensitized solar cells. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 408-420.	16.4	58
11	Amalgamation based optical and colorimetric sensing of mercury(II) ions with silver@gel graphene oxide nanocomposite materials. <i>Mikrochimica Acta</i> , 2016, 183, 369-377.	5.0	108
12	Fabrication of graphene/gold-modified screen-printed electrode for detection of carcinoembryonic antigen. <i>Materials Science and Engineering C</i> , 2016, 58, 666-674.	7.3	61
13	Amperometric sensing of NADH at gold nanorods stabilized in amine-functionalized silicate sol-gel matrix modified electrode. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 881-888.	2.9	6
14	A gold nanorod-based localized surface plasmon resonance platform for the detection of environmentally toxic metal ions. <i>Analyst</i> , 2015, 140, 2540-2555.	3.5	64
15	One-Pot Hydrothermal Synthesis of Reduced Graphene Oxide-Multiwalled Carbon Nanotubes Composite Material on Nickel Foam for Efficient Supercapacitor Electrode. <i>Electrocatalysis</i> , 2015, 6, 373-381.	3.0	6
16	Bimetallic Au/Ag nanorods embedded in functionalized silicate sol-gel matrix as an efficient catalyst for nitrobenzene reduction. <i>Applied Catalysis A: General</i> , 2014, 470, 369-375.	4.3	52
17	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. <i>RSC Advances</i> , 2014, 4, 63296-63323.	3.6	272
18	Selective sensing of Hg ²⁺ ions by optical and colorimetric methods using gold nanorods embedded in a functionalized silicate sol-gel matrix. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8918.	10.3	53

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19	Reduced graphene oxide-gold nanorod composite material stabilized in silicate sol-gel matrix for nitric oxide sensor. RSC Advances, 2014, 4, 33541.	3.6	38
20	Synthesis of core/shell Au/Ag nanorods embedded in functionalized silicate sol-gel matrix and their applications in electrochemical sensors. Electrochimica Acta, 2013, 88, 51-58.	5.2	42
21	Stable Water Oxidation Catalysts Based on in-situ Electrochemical Transition of Nickel Phosphate. Catalysis Letters, 0, , 1.	2.6	0