

Sabarinathan Ravichandran

List of Publications by Year in descending order

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17
papers

356
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759233

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940533

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17
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient methanol oxidation on durable Pt/Ir/MWCNT catalysts for direct methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6447-6460.	7.1	63
2	Accelerating the production of bio-oil from hydrothermal liquefaction of microalgae via recycled biochar-supported catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105321.	6.7	47
3	A quick guide to the assessment of key electrochemical performance indicators for the oxygen reduction reaction: A comprehensive review. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7113-7138.	7.1	31
4	Carbon supported PtPdCr ternary alloy nanoparticles with enhanced electrocatalytic activity and durability for methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22752-22760.	7.1	29
5	Spindle-shaped CeO ₂ /biochar carbon with oxygen-vacancy as an effective and highly durable electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2128-2142.	7.1	29
6	Ordered mesoporous Pt-Ru-Ir nanostructures as superior bifunctional electrocatalyst for oxygen reduction/oxygen evolution reactions. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 207-218.	9.4	26
7	Bimetallic Pt ₃ Mn nanowire network structures with enhanced electrocatalytic performance for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30455-30462.	7.1	22
8	Improved bi-functional oxygen electrocatalytic performance of Pt-Ir alloy nanoparticles embedded on MWCNT with Pt-enriched surfaces. <i>Energy</i> , 2020, 211, 118695.	8.8	19
9	Improved methanol electrooxidation catalyzed by ordered mesoporous Pt-Ru-Ir alloy nanostructures with trace Ir content. <i>Electrochimica Acta</i> , 2021, 394, 139148.	5.2	19
10	Sewage sludge-derived Fe- and N-containing porous carbon as efficient support for Pt catalyst with superior activity towards methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9795-9802.	7.1	18
11	Highly durable carbon supported Fe ₂ N nanocrystals feature as efficient bifunctional oxygen electrocatalyst. <i>International Journal of Energy Research</i> , 2020, 44, 8413-8426.	4.5	15
12	Aminoclay/MWCNT supported spherical Pt nanoclusters with enhanced dual-functional electrocatalytic performance for oxygen reduction and methanol oxidation reactions. <i>Applied Surface Science</i> , 2021, 565, 150511.	6.1	13
13	Comprehensive Studies on the Effect of Reducing Agents on Electrocatalytic Activity and Durability of Platinum Supported on Carbon Support for Oxygen Reduction Reaction. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020, 17, .	2.1	8
14	Facile Preparation of a Surface-Enriched Pt Layer Over Pd/C as an Efficient Oxygen Reduction Catalyst With Enhanced Activity and Stability. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2020, 17, .	2.1	5
15	Pt Nanoparticles Decorated on Fe ₂ O ₃ /N, P-Doped Mesoporous Carbon for Enhanced Oxygen Reduction Activity and Durability. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	2.1	5
16	Ag and Au nanoparticles decorated on synthetic clay functionalized multi-walled carbon nanotube for oxygen reduction reaction. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 749-761.	3.1	4
17	Emerging Trends in Biomass-Derived Carbon-Supported Metal Nanostructures as Efficient Electrocatalysts for Critical Electrochemical Reactions in Low Temperature Fuel Cell Applications. <i>ACS Symposium Series</i> , 0, , 225-256.	0.5	3