

Rozan Mohamad Yunus

List of Publications by Citations

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23
papers

457
citations

12
h-index

21
g-index

29
ext. papers

683
ext. citations

5.5
avg, IF

4.35
L-index

#	Paper	IF	Citations
23	Physical, electrochemical and supercapacitive properties of activated carbon pellets from pre-carbonized rubber wood sawdust by CO ₂ activation. <i>Current Applied Physics</i> , 2010 , 10, 1071-1075	2.6	63
22	Magnetite (Fe ₃ O ₄) Nanoparticles in Biomedical Application: From Synthesis to Surface Functionalisation. <i>Magnetochemistry</i> , 2020 , 6, 68	3.1	57
21	Photocatalytic properties of two-dimensional graphene and layered transition-metal dichalcogenides based photocatalyst for photoelectrochemical hydrogen generation: An overview. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18925-18945	6.7	53
20	Visualization of Grain Structure and Boundaries of Polycrystalline Graphene and Two-Dimensional Materials by Epitaxial Growth of Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016 , 10, 3233-40	16.7	52
19	Review of Chitosan-Based Polymers as Proton Exchange Membranes and Roles of Chitosan-Supported Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	40
18	Improvement of TiO ₂ nanotubes for photoelectrochemical water splitting: Review. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4998-5024	6.7	33
17	Lattice-oriented catalytic growth of graphene nanoribbons on heteroepitaxial nickel films. <i>ACS Nano</i> , 2013 , 7, 10825-33	16.7	27
16	Behavior and role of superficial oxygen in Cu for the growth of large single-crystalline graphene. <i>Applied Surface Science</i> , 2017 , 408, 142-149	6.7	25
15	Vertical heterostructures of MoS ₂ and graphene nanoribbons grown by two-step chemical vapor deposition for high-gain photodetectors. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25210-5	3.6	19
14	Noble-free oxygen reduction reaction catalyst supported on Sengon wood (<i>Paraserianthes falcata</i> L.) derived reduced graphene oxide for fuel cell application. <i>International Journal of Energy Research</i> , 2020 , 44, 1761-1774	4.5	16
13	Current progress on 3D graphene-based photocatalysts: From synthesis to photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 9324-9340	6.7	16
12	Recent advances on state-of-the-art copper (I/II) oxide as photoelectrode for solar green fuel generation: Challenges and mitigation strategies. <i>Applied Catalysis A: General</i> , 2019 , 582, 117104	5.1	13
11	Formation of Oriented Graphene Nanoribbons over Heteroepitaxial Cu Surfaces by Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2014 , 26, 5215-5222	9.6	7
10	Sengon wood-derived RGO supported Fe-based electrocatalyst with stabilized graphitic N-bond for oxygen reduction reaction in acidic medium. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 23237-23253	6.7	7
9	Vertical MoS ₂ /SiO ₂ /Si and Graphene: Effect of Surface Morphology on Photoelectrochemical Properties. <i>Nanotechnology</i> , 2020 ,	3.4	6
8	A low overpotential photoelectrochemical reduction of carbon dioxide to methanol with highly photoactive hierarchical structured cuprous oxide. <i>Ceramics International</i> , 2020 , 46, 26004-26016	5.1	5
7	High photoelectrochemical performance of a p-type reduced graphene oxide-copper oxide/Cu foil (rGO-CuO/Cu) photoelectrode prepared by a one-pot hydrothermal method. <i>International Journal of Energy Research</i> , 2021 , 45, 13865-13877	4.5	3

6	Transition-Metal Dichalcogenides for Photoelectrochemical Hydrogen Evolution Reaction 2020 , 337-361		3
5	An overview of co-catalysts on metal oxides for photocatalytic water splitting. <i>International Journal of Energy Research</i> ,	4.5	3
4	Optoelectronic and morphology properties of perovskite/silicon interface layer for tandem solar cell application. <i>Surface and Interface Analysis</i> , 2020 , 52, 422-432	1.5	2
3	Photocatalytic water splitting performance of TiO ₂ sensitized by metal chalcogenides: A review. <i>Ceramics International</i> , 2021 , 48, 5892-5892	5.1	2
2	Application of Self-supported Materials for Photo and Photoelectrocatalysis. <i>Engineering Materials</i> , 2020 , 57-82	0.4	2
1	Perspectives on carbon-alternative materials as Pt catalyst supports for a durable oxygen reduction reaction in proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2022 , 534, 231422	8.9	0