

Wibawa Hendra Saputera

List of Publications by Year in descending order

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26
papers

1,005
citations

471061

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h-index

580395

25
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all docs

26
docs citations

26
times ranked

1639
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroreduction of CO ₂ to CO on a Mesoporous Carbon Catalyst with Progressively Removed Nitrogen Moieties. ACS Energy Letters, 2018, 3, 2292-2298.	8.8	129
2	A Disquisition on the Active Sites of Heterogeneous Catalysts for Electrochemical Reduction of CO ₂ to Value-Added Chemicals and Fuel. Advanced Energy Materials, 2020, 10, 1902106.	10.2	113
3	Highly Selective Reduction of CO ₂ to Formate at Low Overpotentials Achieved by a Mesoporous Tin Oxide Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 1670-1679.	3.2	96
4	Modulating Activity through Defect Engineering of Tin Oxides for Electrochemical CO ₂ Reduction. Advanced Science, 2019, 6, 1900678.	5.6	92
5	Enhancing the Photoactivity of Faceted BiVO ₄ via Annealing in Oxygen-Deficient Condition. Particle and Particle Systems Characterization, 2017, 34, 1600290.	1.2	75
6	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. ACS Energy Letters, 2020, 5, 3560-3568.	8.8	70
7	A novel TiO ₂ composite for photocatalytic wastewater treatment. Journal of Catalysis, 2014, 310, 75-83.	3.1	67
8	Ti ³⁺ -containing titania: Synthesis tactics and photocatalytic performance. Catalysis Today, 2015, 246, 60-66.	2.2	45
9	Light-Induced Synergistic Multidefect Sites on TiO ₂ /SiO ₂ Composites for Catalytic Dehydrogenation. ACS Catalysis, 2019, 9, 2674-2684.	5.5	41
10	3D Heterostructured Copper Electrode for Conversion of Carbon Dioxide to Alcohols at Low Overpotentials. Advanced Sustainable Systems, 2019, 3, 1800064.	2.7	37
11	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. Advanced Energy Materials, 2017, 7, 1700545.	10.2	36
12	Technology Advances in Phenol Removals: Current Progress and Future Perspectives. Catalysts, 2021, 11, 998.	1.6	33
13	Revealing the key oxidative species generated by Pt-loaded metal oxides under dark and light conditions. Applied Catalysis B: Environmental, 2018, 223, 216-227.	10.8	25
14	The Dependence of Bi ₂ MoO ₆ Photocatalytic Water Oxidation Capability on Crystal Facet Engineering. ChemPhotoChem, 2019, 3, 1246-1253.	1.5	23
15	The role of adsorbed oxygen in formic acid oxidation by Pt/TiO ₂ facilitated by light pre-treatment. Catalysis Science and Technology, 2016, 6, 6679-6687.	2.1	22
16	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. ACS Catalysis, 2017, 7, 3644-3653.	5.5	20
17	Photocatalytic Technology for Palm Oil Mill Effluent (POME) Wastewater Treatment: Current Progress and Future Perspective. Materials, 2021, 14, 2846.	1.3	19
18	Cooperative defect-enriched SiO ₂ for oxygen activation and organic dehydrogenation. Journal of Catalysis, 2019, 376, 168-179.	3.1	16

#	ARTICLE	IF	CITATIONS
19	Unlocking high-potential non-persistent radical chemistry for semi-aqueous redox batteries. <i>Chemical Communications</i> , 2019, 55, 2154-2157.	2.2	14
20	Photocatalytic Degradation of Palm Oil Mill Effluent (POME) Waste Using BiVO ₄ Based Catalysts. <i>Molecules</i> , 2021, 26, 6225.	1.7	11
21	Role of defects on TiO ₂ /SiO ₂ composites for boosting photocatalytic water splitting. <i>RSC Advances</i> , 2020, 10, 27713-27719.	1.7	10
22	Modulating catalytic oxygen activation over Pt@TiO ₂ /SiO ₂ catalysts by defect engineering of a TiO ₂ /SiO ₂ support. <i>Catalysis Science and Technology</i> , 2022, 12, 1049-1059.	2.1	6
23	Titania Modified Silica from Sugarcane Bagasse Waste for Photocatalytic Wastewater Treatment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1143, 012073.	0.3	2
24	Batteries: An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery (<i>Adv. Energy Mater.</i> 19/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1
25	Torrefaction of Rubberwood Waste: The Effects of Particle Size, Temperature & Residence Time. <i>Journal of Engineering and Technological Sciences</i> , 2020, 52, 137.	0.3	1
26	ZnO-Incorporated ZSM-5 for Photocatalytic CO ₂ Reduction into Solar Fuels under UV-Visible Light. , 2021, 6, .		1