

# Wibawa Hendra Saputera

## List of Publications by Year in descending order

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26  
papers

1,005  
citations

471061

17  
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580395

25  
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all docs

26  
docs citations

26  
times ranked

1639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating catalytic oxygen activation over Pt@TiO <sub>2</sub> /SiO <sub>2</sub> catalysts by defect engineering of a TiO <sub>2</sub> /SiO <sub>2</sub> support. <i>Catalysis Science and Technology</i> , 2022, 12, 1049-1059.	2.1	6
2	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
3	Photocatalytic Technology for Palm Oil Mill Effluent (POME) Wastewater Treatment: Current Progress and Future Perspective. <i>Materials</i> , 2021, 14, 2846.	1.3	19
4	Technology Advances in Phenol Removals: Current Progress and Future Perspectives. <i>Catalysts</i> , 2021, 11, 998.	1.6	33
5	Photocatalytic Degradation of Palm Oil Mill Effluent (POME) Waste Using BiVO <sub>4</sub> Based Catalysts. <i>Molecules</i> , 2021, 26, 6225.	1.7	11
6	ZnO-Incorporated ZSM-5 for Photocatalytic CO <sub>2</sub> Reduction into Solar Fuels under UV-Visible Light. , 2021, 6, .		1
7	Tungsten Oxide/Carbide Surface Heterojunction Catalyst with High Hydrogen Evolution Activity. <i>ACS Energy Letters</i> , 2020, 5, 3560-3568.	8.8	70
8	Role of defects on TiO <sub>2</sub> /SiO <sub>2</sub> composites for boosting photocatalytic water splitting. <i>RSC Advances</i> , 2020, 10, 27713-27719.	1.7	10
9	A Disquisition on the Active Sites of Heterogeneous Catalysts for Electrochemical Reduction of CO <sub>2</sub> to Value-Added Chemicals and Fuel. <i>Advanced Energy Materials</i> , 2020, 10, 1902106.	10.2	113
10	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
11	3D Heterostructured Copper Electrode for Conversion of Carbon Dioxide to Alcohols at Low Overpotentials. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800064.	2.7	37
12	The Dependence of Bi <sub>2</sub> Mo <sub>6</sub> Photocatalytic Water Oxidation Capability on Crystal Facet Engineering. <i>ChemPhotoChem</i> , 2019, 3, 1246-1253.	1.5	23
13	Cooperative defect-enriched SiO <sub>2</sub> for oxygen activation and organic dehydrogenation. <i>Journal of Catalysis</i> , 2019, 376, 168-179.	3.1	16
14	Modulating Activity through Defect Engineering of Tin Oxides for Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Science</i> , 2019, 6, 1900678.	5.6	92
15	Unlocking high-potential non-persistent radical chemistry for semi-aqueous redox batteries. <i>Chemical Communications</i> , 2019, 55, 2154-2157.	2.2	14
16	Light-Induced Synergistic Multidefect Sites on TiO <sub>2</sub> /SiO <sub>2</sub> Composites for Catalytic Dehydrogenation. <i>ACS Catalysis</i> , 2019, 9, 2674-2684.	5.5	41
17	Highly Selective Reduction of CO <sub>2</sub> to Formate at Low Overpotentials Achieved by a Mesoporous Tin Oxide Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1670-1679.	3.2	96
18	Revealing the key oxidative species generated by Pt-loaded metal oxides under dark and light conditions. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 216-227.	10.8	25

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19	Electroreduction of CO <sub>2</sub> to CO on a Mesoporous Carbon Catalyst with Progressively Removed Nitrogen Moieties. ACS Energy Letters, 2018, 3, 2292-2298.	8.8	129
20	Light, Catalyst, Activation: Boosting Catalytic Oxygen Activation Using a Light Pretreatment Approach. ACS Catalysis, 2017, 7, 3644-3653.	5.5	20
21	Enhancing the Photoactivity of Faceted BiVO <sub>4</sub> via Annealing in Oxygen-Deficient Condition. Particle and Particle Systems Characterization, 2017, 34, 1600290.	1.2	75
22	Batteries: An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery (Adv. Energy Mater. 19/2017). Advanced Energy Materials, 2017, 7, .	10.2	1
23	An Operando Mechanistic Evaluation of a Solar-Rechargeable Sodium-Ion Intercalation Battery. Advanced Energy Materials, 2017, 7, 1700545.	10.2	36
24	The role of adsorbed oxygen in formic acid oxidation by Pt/TiO <sub>2</sub> facilitated by light pre-treatment. Catalysis Science and Technology, 2016, 6, 6679-6687.	2.1	22
25	Ti <sup>3+</sup> -containing titania: Synthesis tactics and photocatalytic performance. Catalysis Today, 2015, 246, 60-66.	2.2	45
26	A novel TiO <sub>2</sub> composite for photocatalytic wastewater treatment. Journal of Catalysis, 2014, 310, 75-83.	3.1	67