

Jan Kegel

List of Publications by Year in descending order

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papers

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1162889

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568
citing authors

#	ARTICLE	IF	CITATIONS
1	Prosuming " energy sufficiency and rebound effects: Climate impact of changing household consumption patterns in Germany. TATuP - Zeitschrift für Technikfolgenabschätzung in Theorie Und Praxis, 2022, 31, 18-24.	0.2	1
2	One-Pot Synthesis of Co(OH) ₂ and/or Co ₃ O ₄ Decorated Cobalt-Doped ZnO Nanorod Arrays and Their Potential as (Photo-)Anode Materials. ChemistrySelect, 2019, 4, 5033-5043.	0.7	0
3	ZnO Nanorod-Arrays as Photo-(Electro)Chemical Materials: Strategies Designed to Overcome the Material's Natural Limitations. Journal of the Electrochemical Society, 2018, 165, H3034-H3044.	1.3	6
4	Zinc oxide for solar water splitting: A brief review of the material's challenges and associated opportunities. Nano Energy, 2018, 54, 409-428.	8.2	126
5	Effect of Surface and Defect Chemistry on the Photocatalytic Properties of Intentionally Defect-Rich ZnO Nanorod Arrays. ACS Applied Materials & Interfaces, 2018, 10, 17994-18004.	4.0	33
6	Rapid low-temperature solution growth of ZnO:Co nanorod arrays with controllable visible light absorption. CrystEngComm, 2017, 19, 1938-1946.	1.3	10
7	Defect-promoted photo-electrochemical performance enhancement of orange-luminescent ZnO nanorod-arrays. Physical Chemistry Chemical Physics, 2017, 19, 12255-12268.	1.3	33
8	(Invited) Tailoring Zinc Oxide Nanorod-Arrays for Photo-(electro)Chemical Applications. ECS Transactions, 2017, 77, 43-60.	0.3	1
9	(Invited) Tailoring Zinc Oxide Nanorod-Arrays for Photo-(electro)Chemical Applications. ECS Meeting Abstracts, 2017, , .	0.0	0
10	Evolution of the Charge Carrier Lifetime Characteristics in Crystalline Silicon Wafers During Processing of Heterojunction Solar Cells. Energy Procedia, 2014, 55, 219-228.	1.8	10
11	Improvement of Silicon Solar Cell Substrates by Wet-Chemical Oxidation Studied by Surface Photovoltage Measurements. Solid State Phenomena, 2014, 219, 291-296.	0.3	2
12	Over 20% conversion efficiency on silicon heterojunction solar cells by IPA-free substrate texturization. Applied Surface Science, 2014, 301, 56-62.	3.1	44
13	IPA-free Texturization of n-type Si Wafers: Correlation of Optical, Electronic and Morphological Surface Properties. Energy Procedia, 2013, 38, 833-842.	1.8	31
14	Passivation of Textured Silicon Wafers: Influence of Pyramid Size Distribution, a-Si:H Deposition Temperature, and Post-treatment. Energy Procedia, 2013, 38, 881-889.	1.8	33
15	Surface Optimization of Random Pyramid Textured Silicon Substrates for Improving Heterojunction Solar Cells. Solid State Phenomena, 0, 255, 338-343.	0.3	3