Ulrich Ulmer

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7990992/publications.pdf

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	623734	839539
1,175	14	18
citations	h-index	g-index
19	19	1619
docs citations	times ranked	citing authors
	citations 19	1,175 14 h-index 19 19

#	Article	IF	CITATIONS
1	Fundamentals and applications of photocatalytic CO2 methanation. Nature Communications, 2019, 10, 3169.	12.8	304
2	Cu2O nanocubes with mixed oxidation-state facets for (photo)catalytic hydrogenation of carbon dioxide. Nature Catalysis, 2019, 2, 889-898.	34.4	234
3	Aging-related loss of the chromatin protein HMGB2 in articular cartilage is linked to reduced cellularity and osteoarthritis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1181-1186.	7.1	124
4	Shining light on CO ₂ : from materials discovery to photocatalyst, photoreactor and process engineering. Chemical Society Reviews, 2020, 49, 5648-5663.	38.1	91
5	Towards Solar Methanol: Past, Present, and Future. Advanced Science, 2019, 6, 1801903.	11.2	63
6	High-Performance, Scalable, and Low-Cost Copper Hydroxyapatite for Photothermal CO2 Reduction. ACS Catalysis, 2020, 10, 13668-13681.	11.2	55
7	Pd@H _{<i>y</i>} WO _{3â€"<i>x</i>} Nanowires Efficiently Catalyze the CO ₂ Heterogeneous Reduction Reaction with a Pronounced Light Effect. ACS Applied Materials & Amp; Interfaces, 2019, 11, 5610-5615.	8.0	52
8	Study of the structural, thermodynamic and cyclic effects of vanadium and titanium substitution in laves-phase AB2 hydrogen storage alloys. International Journal of Hydrogen Energy, 2017, 42, 20103-20110.	7.1	46
9	Cu Atoms on Nanowire Pd/H _{<i>y</i>} WO _{3–<i>x</i>} Bronzes Enhance the Solar Reverse Water Gas Shift Reaction. Journal of the American Chemical Society, 2019, 141, 14991-14996.	13.7	40
10	Solar Urea: Towards a Sustainable Fertilizer Industry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
11	Cost reduction possibilities of vanadium-based solid solutions – Microstructural, thermodynamic, cyclic and environmental effects of ferrovanadium substitution. Journal of Alloys and Compounds, 2015, 648, 1024-1030.	5.5	31
12	Effect of oxygen on the microstructure and hydrogen storage properties of V–Ti–Cr–Fe quaternary solid solutions. International Journal of Hydrogen Energy, 2014, 39, 20000-20008.	7.1	22
13	Hybrid Photo- and Thermal Catalyst System for Continuous CO ₂ Reduction. ACS Applied Materials & Materia	8.0	22
14	Solar CO2hydrogenation by photocatalytic foams. Chemical Engineering Journal, 2022, 435, 134864.	12.7	16
15	Performance Improvement of V–Fe–Cr–Ti Solid State Hydrogen Storage Materials in Impure Hydrogen Gas. ACS Applied Materials & Interfaces, 2018, 10, 1662-1671.	8.0	14
16	Preparation, scale-up and testing of nanoscale, doped amide systems for hydrogen storage. International Journal of Hydrogen Energy, 2013, 38, 1439-1449.	7.1	11
17	Thermochemical Energy Storage through De/Hydrogenation of Organic Liquids: Reactions of Organic Liquids on Metal Hydrides. ACS Applied Materials & Energy Storage through De/Hydrogenation of Organic Liquids on Metal Hydrides.	8.0	11
18	5th Anniversary Article: Towards Solar Methanol: Past, Present, and Future (Adv. Sci. 8/2019). Advanced Science, 2019, 6, 1970048.	11.2	O