

Chao Wang

List of Publications by Year in descending order

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16
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567281

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1029
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO ₄ /Co ₃ O ₄ nanocone arrays. Journal of Power Sources, 2019, 418, 202-210.	7.8	121
2	Methane transformation by photocatalysis. Nature Reviews Materials, 2022, 7, 617-632.	48.7	114
3	Platinum and CuO decorated TiO ₂ Photocatalyst for Oxidative Coupling of Methane to C ₂ Hydrocarbons in a Flow Reactor. Angewandte Chemie - International Edition, 2020, 59, 19702-19707.	13.8	106
4	Highly dispersed PtO nanodots as efficient co-catalyst for photocatalytic hydrogen evolution. Applied Surface Science, 2018, 462, 423-431.	6.1	103
5	Porous graphitic carbon nitride nanosheets by pre-polymerization for enhanced photocatalysis. Materials Characterization, 2018, 139, 89-99.	4.4	61
6	In situ growth of boron doped g-C ₃ N ₄ on carbon fiber cloth as a recycled flexible film-photocatalyst. Ceramics International, 2021, 47, 1258-1267.	4.8	56
7	In situ synthesis of 3D Co@Co ₃ O ₄ nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. Journal of Alloys and Compounds, 2020, 826, 154115.	5.5	54
8	Facile synthesis of carbon self-doped g-C ₃ N ₄ for enhanced photocatalytic hydrogen evolution. Ceramics International, 2020, 46, 7888-7895.	4.8	46
9	Hydrogel-supported graphitic carbon nitride nanosheets loaded with Pt atoms as a novel self-water-storage photocatalyst for H ₂ evolution. Journal of Materials Chemistry A, 2020, 8, 23812-23819.	10.3	38
10	Room temperature synthesis and enhanced photocatalytic property of CeO ₂ /ZnO heterostructures. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	36
11	A Codoped Polymeric Photocatalyst with Prolonged Carrier Lifetime and Extended Spectral Response up to 600 nm for Enhanced Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 5234-5243.	8.0	31
12	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. ACS Applied Materials & Interfaces, 2020, 12, 17659-17668.	8.0	27
13	Graphitic carbon nitride nanosheets prepared by gaseous molecules assembling for enhanced photocatalytic performance. Journal of Materials Science, 2019, 54, 1462-1474.	3.7	20
14	Platinum and CuO decorated TiO ₂ Photocatalyst for Oxidative Coupling of Methane to C ₂ Hydrocarbons in a Flow Reactor. Angewandte Chemie, 2020, 132, 19870-19875.	2.0	19
15	Graphitic carbon nitride with thermally-induced nitrogen defects: an efficient process to enhance photocatalytic H ₂ production performance. RSC Advances, 2020, 10, 18632-18638.	3.6	18
16	<i>In Situ</i> Investigation of Charge Performance in Anatase TiO ₂ Powder for Methane Conversion by Vis-NIR Spectroscopy. ACS Catalysis, 2021, 11, 8226-8238.	11.2	7