

Chao Wang

List of Publications by Year in descending order

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16
papers

857
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1029
citing authors

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