Qiang Huang

List of Publications by Year
in descending order

30 papers	912 citations	567281 15 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	1204 citing authors

#	Article	IF	Citations
1	Photoâ€•and Electrocatalytic CO₂ Reduction Based on Stable Leadâ€Free Perovskite Cs₂PdBr₆. Energy and Environmental Materials, 2023, 6, .	12.8	4
2	Synthesis of Stable Leadâ€Free Cs₃Sb₂(Br_xI_{1â^'}_x)₉ (0 â‰¤ x â‰¤ 1) Perovskite Nanoplatelets and Their Application in CO₂ Photocatalytic Reduction. Small, 2022, 18, e2106001.	10.0	28
3	Carbon Dioxide Conversion Synergistically Activated by Dielectric Barrier Discharge Plasma and the CsPbBr₃@TiO₂ Photocatalyst. Journal of Physical Chemistry Letters, 2022, 13, 2418-2427.	4.6	13
4	Highly crystalline lead-free Cs3Sb2Br9 perovskite microcrystals enable efficient and selective photocatalytic oxidation of benzyl alcohol. Journal of Catalysis, 2022, 408, 36-42.	6.2	18
5	Visible light driven photocatalytic reduction of CO2 on Au-Pt/Cu2O/ReS2 with high efficiency and controllable selectivity. Chemical Engineering Journal, 2022, 437, 135299.	12.7	17
6	Lead-free perovskite Cs2XCl6 (XÂ= Hf, Zr, Te) microcrystals for photocatalytic CO2 reduction. Materials Today Energy, 2022, 28, 101067.	4.7	14
7	Amino-mediated anchoring of FAPbBr3 perovskite quantum dots on silica spheres for efficient visible light photocatalytic NO removal. Chemical Engineering Journal, 2021, 406, 126740.	12.7	21
8	Impact of Hydroiodic Acid on Resistive Switching Performance of Lead-Free Cs₃Cu₂I₅ Perovskite Memory. Journal of Physical Chemistry Letters, 2021, 12, 1973-1978.	4.6	27
9	Enhancing CO2 plasma conversion using metal grid catalysts. Journal of Applied Physics, 2021, 129, .	2.5	14
10	High visible-light photocatalytic performance of stable lead-free Cs2AgBiBr6 double perovskite nanocrystals. Journal of Catalysis, 2021, 397, 27-35.	6.2	47
11	Ultrastable Lead-Free CsAgCl₂ Perovskite Microcrystals for Photocatalytic CO₂ Reduction. Journal of Physical Chemistry Letters, 2021, 12, 5110-5114.	4.6	26
12	Morphology Regulation and Photocatalytic CO₂ Reduction of Lead-Free Perovskite Cs₃Sb₂I₉ Microcrystals. ACS Applied Energy Materials, 2021, 4, 5913-5917.	5.1	31
13	Lead-Free Perovskite Cs₂AgBiX₆ Nanocrystals with a Band Gap Funnel Structure for Photocatalytic CO₂ Reduction under Visible Light. Chemistry of Materials, 2021, 33, 4971-4976.	6.7	60
14	Synthesis and CO₂ Photoreduction of Lead-Free Cesium Bismuth Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 18328-18333.	3.1	29
15	Enhancing the brightness of CsPbBr₃ quantum dot electroluminescence light-emitting diodes by manipulation of PEDOT:PSS films. Journal of Materials Chemistry C, 2021, 9, 15910-15917.	5.5	6
16	Boudouard reaction driven by thermal plasma for efficient CO2 conversion and energy storage. Journal of Energy Chemistry, 2020, 45, 128-134.	12.9	34
17	Conversion of CO2by non- thermal inductively-coupled plasma catalysis. Chinese Journal of Chemical Physics, 2020, 33, 243-251.	1.3	6
18	Dry Reforming of Methane under Mild Conditions Using Radio Frequency Plasma. Energy Technology, 2020, 8, 1900886.	3.8	17

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19	CO₂ conversion by thermal plasma with carbon as reducing agent: high CO yield and energy efficiency. Plasma Science and Technology, 2019, 21, 012001.	1.5	11
20	In Situ Study of the Conversion Reaction of CO₂ and CO₂-H₂ Mixtures in Radio Frequency Discharge Plasma. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 292-298.	4.9	17
21	Plasma Surface Interaction. , 2018, , 573-584.		0
22	Tuning of Conversion and Optical Emission by Electron Temperature in Inductively Coupled CO₂ Plasma. Journal of Physical Chemistry C, 2018, 122, 19338-19347.	3.1	26
23	Carbon dioxide dissociation in non-thermal radiofrequency and microwave plasma. Journal Physics D: Applied Physics, 2017, 50, 294001.	2.8	36
24	Metabolites from the co-culture of nigranoic acid and Umbelopsis dimorpha SWUKD3.1410, an endophytic fungus from Kadsura angustifolia. Natural Product Research, 2017, 31, 1414-1421.	1.8	10
25	Collision-induced desorption of CO from Ru(0001) by hyperthermal argon and nitrogen. Surface Science, 2016, 650, 230-236.	1.9	0
26	Recent progress in photocathodes for hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 15824-15837.	10.3	160
27	Hydrogen Evolution from Pt Nanoparticles Covered p-Type CdS:Cu Photocathode in Scavenger-Free Electrolyte. Journal of Physical Chemistry C, 2014, 118, 2306-2311.	3.1	22
28	Highly aligned Cu₂O/CuO/TiO₂core/shell nanowire arrays as photocathodes for water photoelectrolysis. Journal of Materials Chemistry A, 2013, 1, 2418-2425.	10.3	195
29	Phases transformation of nickel lateritic ore during dehydration. Journal of Mining and Metallurgy, Section B: Metallurgy, 2011, 47, 45-51.	0.8	13
30	Study of CO diffusion on stepped Pt(111) surface by scanning tunneling microscopy. Surface Science, 2010, 604, 322-326.	1.9	8