Sungju Yu

List of Publications by Year
in descending order

24 papers	1,565 citations	471371 17 h-index	610775 24 g-index
26 all docs	26 docs citations	26 times ranked	2451 citing authors

#	Article	IF	Citations
1	Plasmonic Control of Multi-Electron Transfer and Câ€“C Coupling in Visible-Light-Driven CO₂ Reduction on Au Nanoparticles. Nano Letters, 2018, 18, 2189-2194.	4.5	358
2	A Combination of Two Visible-Light Responsive Photocatalysts for Achieving the Z-Scheme in the Solid State. ACS Nano, 2011, 5, 4084-4090.	7.3	203
3	Opportunities and Challenges of Solar-Energy-Driven Carbon Dioxide to Fuel Conversion with Plasmonic Catalysts. ACS Energy Letters, 2017, 2, 2058-2070.	8.8	168
4	Plasmonic photosynthesis of C1â€“C3 hydrocarbons from carbon dioxide assisted by an ionic liquid. Nature Communications, 2019, 10, 2022.	5.8	142
5	Carbon-doped TiO2 nanoparticles wrapped with nanographene as a high performance photocatalyst for phenol degradation under visible light irradiation. Applied Catalysis B: Environmental, 2014, 144, 893-899.	10.8	97
6	Hotâ€Electronâ€Transfer Enhancement for the Efficient Energy Conversion of Visible Light. Angewandte Chemie - International Edition, 2014, 53, 11203-11207.	7.2	92
7	Preparation and characterization of Fe-doped TiO2 nanoparticles as a support for a high performance CO oxidation catalyst. Journal of Materials Chemistry, 2012, 22, 12629.	6.7	75
8	Effect of TiO2 crystalline phase on CO oxidation over CuO catalysts supported on TiO2. Journal of Molecular Catalysis A, 2013, 368-369, 72-77.	4.8	54
9	The Chemical Potential of Plasmonic Excitations. Angewandte Chemie - International Edition, 2020, 59, 2085-2088.	7.2	51
10	Tuning the Structural Color of a 2D Photonic Crystal Using a Bowl-like Nanostructure. ACS Applied Materials & Interfaces, 2016, 8, 15802-15808.	4.0	47
11	Selective Branching of Plasmonic Photosynthesis into Hydrocarbon Production and Hydrogen Generation. ACS Energy Letters, 2019, 4, 2295-2300.	8.8	44
12	Interfacial Adsorption and Redox Coupling of Li₄Ti₅O₁₂ with Nanographene for High-Rate Lithium Storage. ACS Applied Materials & Interfaces, 2015, 7, 16565-16572.	4.0	32
13	Using plasmonically generated carriers as redox equivalents. MRS Bulletin, 2020, 45, 43-48.	1.7	25
14	Effect of valence band energy on the photocatalytic performance of N-doped TiO2 for the production of O2 via the oxidation of water by visible light. Journal of Molecular Catalysis A, 2013, 378, 221-226.	4.8	22
15	Enhancement in photocatalytic oxygen evolution via water oxidation under visible light on nitrogen-doped TiO2 nanorods with dominant reactive {102} facets. Catalysis Communications, 2014, 43, 11-15.	1.6	22
16	Exploring crystal phase and morphology in the TiO 2 supporting materials used for visible-light driven plasmonic photocatalyst. Applied Catalysis B: Environmental, 2016, 198, 91-99.	10.8	20
17	Isotope Effects in Plasmonic Photosynthesis. Angewandte Chemie - International Edition, 2020, 59, 22480-22483.	7.2	19
18	Design of an efficient photocatalytic reactor for the decomposition of gaseous organic contaminants in air. Chemical Engineering Journal, 2012, 187, 203-209.	6.6	18

#	Article	IF	Citations
19	Kinetic and Mechanistic Insights into the All-Solid-State Z-Schematic System. Journal of Physical Chemistry C, 2014, 118, 29583-29590.	1.5	15
20	Ir(NHC)â€Catalyzed Synthesis of Î²â€Alkylated Alcohols via Borrowing Hydrogen Strategy: Influence of Bimetallic Structure. Advanced Synthesis and Catalysis, 2021, 363, 3090-3097.	2.1	13
21	The Chemical Potential of Plasmonic Excitations. Angewandte Chemie, 2020, 132, 2101-2104.	1.6	11
22	Energy conversion of sub-band-gap light using naked carbon nanodots and rhodamine B. Nano Energy, 2016, 26, 479-487.	8.2	10
23	Isotope Effects in Plasmonic Photosynthesis. Angewandte Chemie, 2020, 132, 22666-22669.	1.6	4
24	Hot Carrier Extraction from Plasmonic-Photonic Superimposed Heterostructures. Journal of Chemical Physics, 0, , .	1.2	1