

Siyuan Fang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3084386/publications.pdf>

Version: 2024-02-01

21
papers

1,049
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

901
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Graphene Materials: From Understanding to Design and Synthesis Control. <i>Chemical Reviews</i> , 2020, 120, 10336-10453.	47.7	319
2	Thermo-photo catalysis: a whole greater than the sum of its parts. <i>Chemical Society Reviews</i> , 2022, 51, 3609-3647.	38.1	95
3	Insights into the Thermo-Photo Catalytic Production of Hydrogen from Water on a Low-Cost NiO-Loaded TiO ₂ Catalyst. <i>ACS Catalysis</i> , 2019, 9, 5047-5056.	11.2	94
4	Photocatalytic hydrogen production over Rh-loaded TiO ₂ : What is the origin of hydrogen and how to achieve hydrogen production from water?. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119316.	20.2	73
5	Recent progress in photocatalysts for overall water splitting. <i>International Journal of Energy Research</i> , 2019, 43, 1082-1098.	4.5	72
6	Thermo-photo catalytic CO ₂ hydrogenation over Ru/TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 7390-7394.	10.3	65
7	Photo-assisted methanol steam reforming on solid solution of Cu-Zn-Ti oxide. <i>Chemical Engineering Journal</i> , 2019, 375, 121909.	12.7	50
8	Cyclo[18]carbon as an ultra-elastic molecular O-ring with unique mechanical properties. <i>Carbon</i> , 2021, 171, 96-103.	10.3	40
9	Unprecedentedly high efficiency for photocatalytic conversion of methane to methanol over Au@Pd/TiO ₂ – what is the role of each component in the system?. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10796-10802.	10.3	37
10	Recent advances in single-atom catalysts for CO oxidation. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 491-532.	12.9	35
11	Synthesis, properties and potential applications of hydrogenated graphene. <i>Chemical Engineering Journal</i> , 2020, 397, 125408.	12.7	33
12	One-Step Chemical Vapor Deposition Synthesis of Hierarchical Ni and N Co-Doped Carbon Nanosheet/Nanotube Hybrids for Efficient Electrochemical CO ₂ Reduction at Commercially Viable Current Densities. <i>ACS Catalysis</i> , 2021, 11, 10333-10344.	11.2	32
13	Recent Advances in Green, Safe, and Fast Production of Graphene Oxide via Electrochemical Approaches. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12671-12681.	6.7	29
14	Distinct Pathways in Visible-Light Driven Thermo-Photo Catalytic Methane Conversion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7459-7465.	4.6	20
15	Highly efficient visible-light photocatalytic ethane oxidation into ethyl hydroperoxide as a radical reservoir. <i>Chemical Science</i> , 2021, 12, 5825-5833.	7.4	12
16	Multiple roles of graphene in electrocatalysts for metal-air batteries. <i>Catalysis Today</i> , 2023, 409, 2-22.	4.4	12
17	Open the door to the atomic world by single-molecule atomic force microscopy. <i>Matter</i> , 2021, 4, 1189-1223.	10.0	11
18	Creating and Seeing the First Pure Carbon Ring. <i>Matter</i> , 2019, 1, 1116-1118.	10.0	6

#	ARTICLE	IF	CITATIONS
19	Self-stabilization of Ni/Al ₂ O ₃ Catalyst with a NiAl ₂ O ₄ Isolation Layer in Dry Reforming of Methane. Catalysis Letters, 2022, 152, 2852-2859.	2.6	6
20	Thin-water-film-enhanced TiO ₂ -based catalyst for CO ₂ hydrogenation to formic acid. Chemical Communications, 2022, 58, 787-790.	4.1	5
21	A unique black TiO ₂ created from CO-induced oxidation of defect-rich TiO ₂ . Journal of Physics and Chemistry of Solids, 2021, 154, 110053.	4.0	3