

# 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	Multiple roles of graphene in electrocatalysts for metal-air batteries. <i>Catalysis Today</i> , 2023, 409, 2-22.	4.4	12
2	Recent advances in single-atom catalysts for CO oxidation. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 491-532.	12.9	35
3	Self-stabilization of Ni/Al <sub>2</sub> O <sub>3</sub> Catalyst with a NiAl <sub>2</sub> O <sub>4</sub> Isolation Layer in Dry Reforming of Methane. <i>Catalysis Letters</i> , 2022, 152, 2852-2859.	2.6	6
4	Thin-water-film-enhanced TiO <sub>2</sub> -based catalyst for CO <sub>2</sub> hydrogenation to formic acid. <i>Chemical Communications</i> , 2022, 58, 787-790.	4.1	5
5	Thermo-photo catalysis: a whole greater than the sum of its parts. <i>Chemical Society Reviews</i> , 2022, 51, 3609-3647.	38.1	95
6	Cyclo[18]carbon as an ultra-elastic molecular O-ring with unique mechanical properties. <i>Carbon</i> , 2021, 171, 96-103.	10.3	40
7	Unprecedentedly high efficiency for photocatalytic conversion of methane to methanol over Au@Pd/TiO <sub>2</sub> – what is the role of each component in the system?. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10796-10802.	10.3	37
8	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
9	Open the door to the atomic world by single-molecule atomic force microscopy. <i>Matter</i> , 2021, 4, 1189-1223.	10.0	11
10	A unique black TiO <sub>2</sub> created from CO-induced oxidation of defect-rich TiO <sub>2</sub> . <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110053.	4.0	3
11	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
12	One-Step Chemical Vapor Deposition Synthesis of Hierarchical Ni and N Co-Doped Carbon Nanosheet/Nanotube Hybrids for Efficient Electrochemical CO <sub>2</sub> Reduction at Commercially Viable Current Densities. <i>ACS Catalysis</i> , 2021, 11, 10333-10344.	11.2	32
13	3D Graphene Materials: From Understanding to Design and Synthesis Control. <i>Chemical Reviews</i> , 2020, 120, 10336-10453.	47.7	319
14	Synthesis, properties and potential applications of hydrogenated graphene. <i>Chemical Engineering Journal</i> , 2020, 397, 125408.	12.7	33
15	Thermo-photo catalytic CO <sub>2</sub> hydrogenation over Ru/TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2020, 8, 7390-7394.	10.3	65
16	Photocatalytic hydrogen production over Rh-loaded TiO <sub>2</sub> : 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
17	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
18	Creating and Seeing the First Pure Carbon Ring. <i>Matter</i> , 2019, 1, 1116-1118.	10.0	6

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19	Photo-assisted methanol steam reforming on solid solution of Cu-Zn-Ti oxide. Chemical Engineering Journal, 2019, 375, 121909.	12.7	50
20	Insights into the Thermo-Photo Catalytic Production of Hydrogen from Water on a Low-Cost NiO <sub>x</sub> -Loaded TiO <sub>2</sub> Catalyst. ACS Catalysis, 2019, 9, 5047-5056.	11.2	94
21	Recent progress in photocatalysts for overall water splitting. International Journal of Energy Research, 2019, 43, 1082-1098.	4.5	72