

# Jin-Lei Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4667694/publications.pdf>

Version: 2024-02-01

9  
papers

122  
citations

1478505  
6  
h-index

1588992  
8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical insights into the CO/NO oxidation mechanisms on single-atom catalysts anchored H <sub>4</sub> ,4,4-graphyne and H <sub>4</sub> ,4,4-graphyne/graphene sheets. <i>Fuel</i> , 2022, 319, 123810.	6.4	8
2	Nitrogen and boron coordinated single-atom catalysts for low-temperature CO/NO oxidations. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15329-15345.	10.3	26
3	Highly efficient catalytic properties of Sc and Fe single atoms stabilized on a honeycomb borophene/Al(111) heterostructure <i>via</i> a dual charge transfer effect. <i>Nanoscale</i> , 2021, 13, 5875-5882.	5.6	12
4	Unconventional deformation potential and half-metallicity in zigzag nanoribbons of 2D-Xenes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7294-7299.	2.8	4
5	Strain induced spin-splitting and half-metallicity in antiferromagnetic bilayer silicene under bending. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11567-11571.	2.8	6
6	Strain Engineering of a Defect-Free, Single-Layer MoS <sub>2</sub> Substrate for Highly Efficient Single-Atom Catalysis of CO Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32887-32894.	8.0	33
7	Synergetic effects of strain engineering and substrate defects on generating highly efficient single-atom catalysts for CO oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9297-9304.	10.3	12
8	Interplay between the spin-selection rule and frontier orbital theory in O <sub>2</sub> activation and CO oxidation by single-atom-sized catalysts on TiO <sub>2</sub> (110). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24872-24879.	2.8	20
9	Theoretical study on the adsorption and electronic properties of toxic gas molecules on single-atom Pt-doped B/N-coordinated graphene. <i>New Journal of Chemistry</i> , 0, , .	2.8	1