

# Jin-Lei Shi

## List of Publications by Year in descending order

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9  
papers

122  
citations

1478505

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1588992

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times ranked

179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Engineering of a Defect-Free, Single-Layer MoS <sub>2</sub> Substrate for Highly Efficient Single-Atom Catalysis of CO Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 32887-32894.	8.0	33
2	Nitrogen and boron coordinated single-atom catalysts for low-temperature CO/NO oxidations. Journal of Materials Chemistry A, 2021, 9, 15329-15345.	10.3	26
3	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). Physical Chemistry Chemical Physics, 2016, 18, 24872-24879.	2.8	20
4	Synergetic effects of strain engineering and substrate defects on generating highly efficient single-atom catalysts for CO oxidation. Journal of Materials Chemistry A, 2019, 7, 9297-9304.	10.3	12
5	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. Nanoscale, 2021, 13, 5875-5882.	5.6	12
6	Theoretical insights into the CO/NO oxidation mechanisms on single-atom catalysts anchored H4,4,4-graphyne and H4,4,4-graphyne/graphene sheets. Fuel, 2022, 319, 123810.	6.4	8
7	Strain induced spin-splitting and half-metallicity in antiferromagnetic bilayer silicene under bending. Physical Chemistry Chemical Physics, 2020, 22, 11567-11571.	2.8	6
8	Unconventional deformation potential and half-metallicity in zigzag nanoribbons of 2D-Xenes. Physical Chemistry Chemical Physics, 2020, 22, 7294-7299.	2.8	4
9	Theoretical study on the adsorption and electronic properties of toxic gas molecules on single-atom Pt-doped B/N-coordinated graphene. New Journal of Chemistry, 0, , .	2.8	1