Songtao Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9579496/publications.pdf

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21 papers	1,635 citations	623734 14 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	2638 citing authors

#	Article	IF	Citations
1	Epitaxial Growth of Single Layer Blue Phosphorus: A New Phase of Two-Dimensional Phosphorus. Nano Letters, 2016, 16, 4903-4908.	9.1	609
2	Obtaining Two-Dimensional Electron Gas in Free Space without Resorting to Electron Doping: An Electride Based Design. Journal of the American Chemical Society, 2014, 136, 13313-13318.	13.7	280
3	Pt Single Atoms Embedded in the Surface of Ni Nanocrystals as Highly Active Catalysts for Selective Hydrogenation of Nitro Compounds. Nano Letters, 2018, 18, 3785-3791.	9.1	127
4	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). ACS Nano, 2017, 11, 4943-4949.	14.6	109
5	Aerobic Oxidation of Cyclohexane on Catalysts Based on Twinned and Single-Crystal Au₇₅Pd₂₅ Bimetallic Nanocrystals. Nano Letters, 2015, 15, 2875-2880.	9.1	92
6	Precursor Triggering Synthesis of Self-Coupled Sulfide Polymorphs with Enhanced Photoelectrochemical Properties. Journal of the American Chemical Society, 2016, 138, 12913-12919.	13.7	90
7	Ratio-Controlled Synthesis of CuNi Octahedra and Nanocubes with Enhanced Catalytic Activity. Journal of the American Chemical Society, 2015, 137, 14027-14030.	13.7	75
8	Synthesis of Monolayer Blue Phosphorus Enabled by Silicon Intercalation. ACS Nano, 2020, 14, 3687-3695.	14.6	52
9	Electride: from computational characterization to theoretical design. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2016, 6, 430-440.	14.6	41
10	Structure of Blue Phosphorus Grown on Au(111) Surface Revisited. Journal of Physical Chemistry C, 2020, 124, 2024-2029.	3.1	31
11	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). Nano Letters, 2019, 19, 5340-5346.	9.1	27
12	Electron-phonon interaction in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">N</mml:mi></mml:mrow></mml:math> monolayer: Intrinsic mobility of electrene. Physical Review B, 2018, 98, .	3.2	24
13	Designing Kagome Lattice from Potassium Atoms on Phosphorusâ€“Gold Surface Alloy. Nano Letters, 2020, 20, 5583-5589.	9.1	20
14	Phosphorus Nanostripe Arrays on Cu(110): A Case Study to Understand the Substrate Effect on the Phosphorus thin Film Growth. Advanced Materials Interfaces, 2017, 4, 1601167.	3.7	18
15	Blue Phosphorus Growth on Different Noble Metal Surfaces: From a 2D Alloy Network to an Extended Monolayer. Journal of Physical Chemistry C, 2021, 125, 675-679.	3.1	13
16	Rh Doping in Pd Nanocubes Optimizes the Adsorption of 3â€Nitrostyrene towards Selective Hydrogenation of Vinyl Group. ChemCatChem, 2019, 11, 2793-2798.	3.7	8
17	Atom by Atom Condensation of Sn Single Clusters within Goldâ€“Phosphorus Metalâ€“Inorganic Porous Networks. Journal of Physical Chemistry Letters, 2021, 12, 745-751.	4.6	8
18	Constructing subtle grain boundaries on Au sheets for enhanced CO2 photoreduction. Science China Chemistry, 2020, 63, 1705-1710.	8.2	5

#	Article	IF	Citations
19	Obtaining Intrinsically Occupied Free-Space Superatom States in an Encapsulated Ca2N Nanotube. ACS Omega, 2018, 3, 11966-11971.	3.5	3
20	On-Surface Synthesis of Nitrogen-Substituted Gold-Phosphorus Porous Network. Chemistry of Materials, 2020, 32, 8561-8566.	6.7	3
21	Design of a Giant Magnetoresistance Device with High Spin Filter Efficiency. Journal of Physical Chemistry C, 2021, 125, 15544-15550.	3.1	0