

# Lei Peng

## List of Publications by Year in descending order

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18  
papers

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citations

623734

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839539

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#	ARTICLE	IF	CITATIONS
1	Astragalin Attenuates Dextran Sulfate Sodium (DSS)-Induced Acute Experimental Colitis by Alleviating Gut Microbiota Dysbiosis and Inhibiting NF- $\kappa$ B Activation in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 2058.	4.8	102
2	CRISPR-Cas12a-Powered Dual-Mode Biosensor for Ultrasensitive and Cross-validating Detection of Pathogenic Bacteria. <i>ACS Sensors</i> , 2021, 6, 2920-2927.	7.8	97
3	Two-dimensional few-layer group-III metal monochalcogenides as effective photocatalysts for overall water splitting in the visible range. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22768-22777.	10.3	90
4	A smartphone-based visual biosensor for CRISPR-Cas powered SARS-CoV-2 diagnostics. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113646.	10.1	79
5	Correlations between $\hat{\pm}$ -Linolenic Acid-Improved Multitissue Homeostasis and Gut Microbiota in Mice Fed a High-Fat Diet. <i>MSystems</i> , 2020, 5, .	3.8	62
6	Tuning the Carrier Confinement in GeS/Phosphorene van der Waals Heterostructures. <i>Small</i> , 2018, 14, 1703536.	10.0	48
7	Highly efficient photocatalytic water splitting utilizing a WO <sub>3</sub> /ZnIn <sub>2</sub> S <sub>4</sub> ultrathin nanosheet Z-scheme catalyst. <i>Journal of Materials Chemistry A</i> , 2021, 9, 908-914.	10.3	45
8	Boosting Electrocatalytic N <sub>2</sub> Reduction to NH <sub>3</sub> over Two-Dimensional Gallium Selenide by Defect-Size Engineering. <i>Inorganic Chemistry</i> , 2020, 59, 4858-4867.	4.0	44
9	Complete Separation of Carriers in the GeS/SnS Lateral Heterostructure by Uniaxial Tensile Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40969-40977.	8.0	34
10	Dipole controlled Schottky barrier in the blue-phosphorene-phase of GeSe based van der Waals heterostructures. <i>Nanoscale Horizons</i> , 2019, 4, 480-489.	8.0	32
11	An efficient truss structure optimization framework based on CAD/CAE integration and sequential radial basis function metamodel. <i>Structural and Multidisciplinary Optimization</i> , 2014, 50, 329-346.	3.5	30
12	Two-dimensional blue-phosphorene-phase germanium monochalcogenide photocatalysts for water splitting: From ultraviolet to visible absorption. <i>Journal of Catalysis</i> , 2019, 373, 67-74.	6.2	26
13	Paris saponin II-induced paraptosis-associated cell death increased the sensitivity of cisplatin. <i>Toxicology and Applied Pharmacology</i> , 2020, 406, 115206.	2.8	19
14	Structures, stabilities and piezoelectric properties of Janus gallium oxides and chalcogenides monolayers. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 08LT01.	1.8	16
15	Micellar-enhanced ultrafiltration for the solubilization of various phenolic compounds with different surfactants. <i>Water Science and Technology</i> , 2015, 72, 623-631.	2.5	14
16	Current opinions on the mechanism, classification, imaging diagnosis and treatment of post-traumatic osteomyelitis. <i>Chinese Journal of Traumatology - English Edition</i> , 2021, 24, 320-327.	1.4	13
17	Mechanical and Biocompatibility Performance of Bicomponent Polyester/Silk Fibroin Small-Diameter Arterial Prostheses. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2015, 13, 201-209.	1.6	7
18	First-Principles Study on the Stabilities, Electronic and Optical Properties of GexSn1-xSe Alloys. <i>Nanomaterials</i> , 2018, 8, 876.	4.1	1