Chenji Zou

List of Publications by Year
in descending order

25 papers	1,546 citations	393982 19 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	3153 citing authors

#	Article	IF	Citations
1	Evolution of disposable bamboo chopsticks into uniform carbon fibers: a smart strategy to fabricate sustainable anodes for Li-ion batteries. Energy and Environmental Science, 2014, 7, 2670-2679.	15.6	271
2	Encapsulation of sulfur with thin-layered nickel-based hydroxides for long-cyclic lithiumâ€“sulfur cells. Nature Communications, 2015, 6, 8622.	5.8	259
3	Electrically Tunable Valley-Light Emitting Diode (vLED) Based on CVD-Grown Monolayer WS₂. Nano Letters, 2016, 16, 1560-1567.	4.5	175
4	Nitrogen and phosphorus codoped hierarchically porous carbon as an efficient sulfur host for Li-S batteries. Energy Storage Materials, 2017, 6, 112-118.	9.5	135
5	Room-temperature 2D semiconductor activated vertical-cavity surface-emitting lasers. Nature Communications, 2017, 8, 543.	5.8	102
6	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and Highâ€Rate Sodium Storage. Advanced Materials, 2019, 31, e1900526.	11.1	83
7	Engineering Valley Polarization of Monolayer WS₂: A Physical Doping Approach. Small, 2019, 15, e1805503.	5.2	62
8	Dual confinement of polysulfides in boron-doped porous carbon sphere/graphene hybrid for advanced Li-S batteries. Nano Research, 2018, 11, 4562-4573.	5.8	54
9	Molecularâ€Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Selfâ€Activation for Sustainable Energy Systems. Small, 2017, 13, 1602010.	5.2	47
10	High-rate, long cycle-life Li-ion battery anodes enabled by ultrasmall tin-based nanoparticles encapsulation. Energy Storage Materials, 2018, 14, 169-178.	9.5	47
11	Engineering Morphologies of Cobalt Pyrophosphates Nanostructures toward Greatly Enhanced Electrocatalytic Performance of Oxygen Evolution Reaction. Small, 2018, 14, e1801068.	5.2	45
12	Inâ€Plane Anisotropic Thermal Conductivity of Fewâ€Layered Transition Metal Dichalcogenide Tdâ€WTe₂. Advanced Materials, 2019, 31, e1804979.	11.1	45
13	Enhancing and controlling valley magnetic response in MoS2/WS2 heterostructures by all-optical route. Nature Communications, 2019, 10, 4226.	5.8	38
14	Visualizing the Anomalous Charge Density Wave States in Graphene/NbSe₂ Heterostructures. Advanced Materials, 2020, 32, e2003746.	11.1	23
15	Room-temperature continuous-wave vertical-cavity surface-emitting lasers based on 2D layered organicâ€“inorganic hybrid perovskites. APL Materials, 2021, 9, 071106.	2.2	21
16	Engineering the Li Storage Properties of Graphene Anodes: Defect Evolution and Pore Structure Regulation. ACS Applied Materials & Interfaces, 2016, 8, 33712-33722.	4.0	20
17	Antiâ€Stokes Photoluminescence of van der Waals Layered Semiconductor PbI₂. Advanced Optical Materials, 2017, 5, 1700609.	3.6	20
18	Tunable excitonic emission of monolayer WS2 for the optical detection of DNA nucleobases. Nano Research, 2018, 11, 1744-1754.	5.8	20

#	Article	IF	Citations
19	Probing magnetic-proximity-effect enlarged valley splitting in monolayer WSe2 by photoluminescence. Nano Research, 2018, 11, 6252-6259.	5.8	20
20	Revealing electronic nature of broad bound exciton bands in two-dimensional semiconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi	0.9	19
21	Continuousâ€Wave Vertical Cavity Surfaceâ€Emitting Lasers based on Single Crystalline Lead Halide Perovskites. Advanced Optical Materials, 2021, 9, 2001982.	3.6	16
22	Intrinsic excitonic emission and valley Zeeman splitting in epitaxial MS2 (M = Mo and W) monolayers on hexagonal boron nitride. Nano Research, 2018, 11, 6227-6236.	5.8	8
23	Observation of Strong Valley Magnetic Response in Monolayer Transition Metal Dichalcogenide Alloys of Mo_{0.5}W_{0.5}Se₂ and Mo_{0.5}W_{0.5}Se₂/WS₂ Heterostructures. ACS Nano, 2021, 15, 8397-8406.	7.3	8
24	Spatial variations of valley splitting in monolayer transition metal dichalcogenide. InformaÄnÃ- MateriÃ¡ly, 2020, 2, 585-592.	8.5	5
25	Deterministic and Scalable Generation of Exciton Emitters in 2D Semiconductor Nanodisks. Advanced Optical Materials, 2022, 10, .	3.6	3