Fengxia Geng

List of Publications by Year
in descending order

52 papers	5,732 citations	136885 32 h-index	189801 50 g-index
57 all docs	57 docs citations	57 times ranked	7424 citing authors

#	Article	IF	Citations
1	Noble metal-comparable SERS enhancement from semiconducting metal oxides by making oxygen vacancies. Nature Communications, 2015, 6, 7800.	5.8	534
2	Organicâ€Baseâ€Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. Angewandte Chemie - International Edition, 2016, 55, 14569-14574.	7.2	480
3	Singleâ€Crystalline Tungsten Oxide Quantum Dots for Fast Pseudocapacitor and Electrochromic Applications. Advanced Materials, 2014, 26, 4260-4267.	11.1	350
4	Semiconductor SERS enhancement enabled by oxygen incorporation. Nature Communications, 2017, 8, 1993.	5.8	306
5	Synergy of W₁₈O₄₉ and Polyaniline for Smart Supercapacitor Electrode Integrated with Energy Level Indicating Functionality. Nano Letters, 2014, 14, 2150-2156.	4.5	275
6	Coupling Molecularly Ultrathin Sheets of NiFe-Layered Double Hydroxide on NiCo₂O₄ Nanowire Arrays for Highly Efficient Overall Water-Splitting Activity. ACS Applied Materials & Interfaces, 2017, 9, 1488-1495.	4.0	244
7	General Synthesis and Structural Evolution of a Layered Family of Ln₈(OH)₂₀Cl₄Â·nH₂O (Ln = Nd, Sm, Eu, Gd, Tb,) Tj ETQq1 1 0.784314 rgBT	4.1	234
8	Fusing electrochromic technology with other advanced technologies: A new roadmap for future development. Materials Science and Engineering Reports, 2020, 140, 100524.	14.8	227
9	Tungsten Oxide Materials for Optoelectronic Applications. Advanced Materials, 2016, 28, 10518-10528.	11.1	222
10	Anion-Exchangeable Layered Materials Based on Rare-Earth Phosphors: Unique Combination of Rare-Earth Host and Exchangeable Anions. Accounts of Chemical Research, 2010, 43, 1177-1185.	7.6	184
11	New Layered Rareâ€Earth Hydroxides with Anionâ€Exchange Properties. Chemistry - A European Journal, 2008, 14, 9255-9260.	1.7	173
12	Organicâ€Baseâ€Driven Intercalation and Delamination for the Production of Functionalized Titanium Carbide Nanosheets with Superior Photothermal Therapeutic Performance. Angewandte Chemie, 2016, 128, 14789-14794.	1.6	167
13	Towards full-colour tunability of inorganic electrochromic devices using ultracompact fabry-perot nanocavities. Nature Communications, 2020, 11, 302.	5.8	167
14	Flexible Lithium-Ion Fiber Battery by the Regular Stacking of Two-Dimensional Titanium Oxide Nanosheets Hybridized with Reduced Graphene Oxide. Nano Letters, 2017, 17, 3543-3549.	4.5	148
15	Molecularly Stacking Manganese Dioxide/Titanium Carbide Sheets to Produce Highly Flexible and Conductive Film Electrodes with Improved Pseudocapacitive Performances. Advanced Energy Materials, 2017, 7, 1602834.	10.2	144
16	Versatile Cutting Method for Producing Fluorescent Ultrasmall MXene Sheets. ACS Nano, 2017, 11, 11559-11565.	7.3	136
17	Unconventional Aluminum Ion Intercalation/Deintercalation for Fast Switching and Highly Stable Electrochromism. Advanced Functional Materials, 2015, 25, 5833-5839.	7.8	132
18	Gigantic Swelling of Inorganic Layered Materials: A Bridge to Molecularly Thin Two-Dimensional Nanosheets. Journal of the American Chemical Society, 2014, 136, 5491-5500.	6.6	125

#	Article	IF	Citations
19	Unusually stable ~100-fold reversible and instantaneous swelling of inorganic layered materials. Nature Communications, 2013, 4, 1632.	5.8	119
20	Electrostatic-Interaction-Assisted Construction of 3D Networks of Manganese Dioxide Nanosheets for Flexible High-Performance Solid-State Asymmetric Supercapacitors. ACS Nano, 2017, 11, 7879-7888.	7.3	116
21	Osmotic Swelling of Layered Compounds as a Route to Producing High-Quality Two-Dimensional Materials. A Comparative Study of Tetramethylammonium versus Tetrabutylammonium Cation in a Lepidocrocite-type Titanate. Chemistry of Materials, 2013, 25, 3137-3146.	3.2	111
22	Synthesis and Properties of Well-Crystallized Layered Rare-Earth Hydroxide Nitrates from Homogeneous Precipitation. Inorganic Chemistry, 2009, 48, 6724-6730.	1.9	110
23	Trace H₂O₂â€Assisted Highâ€Capacity Tungsten Oxide Electrochromic Batteries with Ultrafast Charging in Seconds. Angewandte Chemie - International Edition, 2016, 55, 7161-7165.	7.2	107
24	Ln₂(OH)₄SO₄Â·nH₂O (Ln = Pr to Tb; n â¼ 2): A New Family of Layered Rare-Earth Hydroxides Rigidly Pillared by Sulfate Ions. Chemistry of Materials, 2010, 22, 6001-6007.	3.2	104
25	Oriented films of layered rare-earth hydroxide crystallites self-assembled at the hexane/water interface. Chemical Communications, 2008, , 4897.	2.2	75
26	Radially Aligned Hierarchical Nickel/Nickelâ€“Iron (Oxy)hydroxide Nanotubes for Efficient Electrocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 8585-8593.	4.0	69
27	Molecularly Thin Nitride Sheets Stabilized by Titanium Carbide as Efficient Bifunctional Electrocatalysts for Fiber-Shaped Rechargeable Zinc-Air Batteries. Nano Letters, 2020, 20, 2892-2898.	4.5	68
28	Remarkable Near-Infrared Electrochromism in Tungsten Oxide Driven by Interlayer Water-Induced Battery-to-Pseudocapacitor Transition. ACS Applied Materials & Interfaces, 2020, 12, 33917-33925.	4.0	61
29	Sizeâ€Independent Fast Ion Intercalation in Twoâ€Dimensional Titania Nanosheets for Alkaliâ€Metalâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 8740-8745.	7.2	53
30	All Two-Dimensional Pseudocapacitive Sheet Materials for Flexible Asymmetric Solid-State Planar Microsupercapacitors with High Energy Density. ACS Nano, 2020, 14, 603-610.	7.3	53
31	Cationic two-dimensional sheets for an ultralight electrostatic polysulfide trap toward high-performance lithium-sulfur batteries. Energy Storage Materials, 2017, 9, 39-46.	9.5	37
32	Structural Study of a Series of Layered Rare-Earth Hydroxide Sulfates. Inorganic Chemistry, 2011, 50, 6667-6672.	1.9	33
33	Macroscopic MXene ribbon with oriented sheet stacking for highâ€performance flexible supercapacitors. , 2021, 3, 142-152.		33
34	Macroscopic and Strong Ribbons of Functionality-Rich Metal Oxides from Highly Ordered Assembly of Unilamellar Sheets. Journal of the American Chemical Society, 2015, 137, 13200-13208.	6.6	32
35	Ti₃C₂ Sheets with an Adjustable Surface and Feature Sizes to Regulate the Chemical Stability. Inorganic Chemistry, 2019, 58, 9397-9403.	1.9	30
36	Two-Dimensional Molecular Sheets of Transition Metal Oxides toward Wearable Energy Storage. Accounts of Chemical Research, 2020, 53, 2443-2455.	7.6	25

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37	Surface-Modified Two-Dimensional Titanium Carbide Sheets for Intrinsic Vibrational Signal-Retained Surface-Enhanced Raman Scattering with Ultrahigh Uniformity. ACS Applied Materials & Interfaces, 2020, 12, 23523-23531.	4.0	25
38	Color-Changing Microfiber-Based Multifunctional Window Screen for Capture and Visualized Monitoring of NH₃. ACS Applied Materials & Interfaces, 2018, 10, 15065-15072.	4.0	22
39	Giant two-dimensional titania sheets for constructing a flexible fiber sodium-ion battery with long-term cycling stability. Energy Storage Materials, 2020, 24, 504-511.	9.5	22
40	Effect of KBr on the FTIR Spectra of NO3â¯LDHs (Layered Double Hydroxides). Chemistry Letters, 2009, 38, 808-809.	0.7	19
41	Tetrabutylphosphonium ions as a new swelling/delamination agent for layered compounds. Chemical Communications, 2014, 50, 9977.	2.2	19
42	W₁₈O₄₉nanowire composites as novel barrier layers for Liâ€“S batteries based on high loading of commercial micro-sized sulfur. RSC Advances, 2016, 6, 15234-15239.	1.7	18
43	Rapid Synthesis of Sub-5 nm Sized Cubic Boron Nitride Nanocrystals with High-Piezoelectric Behavior via Electrochemical Shock. Nano Letters, 2017, 17, 355-361.	4.5	16
44	Molecularly Coupled Twoâ€Dimensional Titanium Oxide and Carbide Sheets for Wearable and Highâ€Rate Quasiâ€Solidâ€State Rechargeable Batteries. Advanced Functional Materials, 2019, 29, 1901576.	7.8	15
45	New Family of Lanthanide-Based Inorganicâ€“Organic Hybrid Frameworks: Ln₂(OH)₄[O₃S(CH₂)_nSO₃]·2H₂O (Ln = La, Ce, Pr, Nd, Sm; n = 3, 4) and Their Derivatives. Inorganic Chemistry, 2013, 52, 1755-1761.	4.2	14
46	Trace H₂O₂â€Assisted Highâ€Capacity Tungsten Oxide Electrochromic Batteries with Ultrafast Charging in Seconds. Angewandte Chemie, 2016, 128, 7277-7281.	1.6	13
47	Sizeâ€Independent Fast Ion Intercalation in Twoâ€Dimensional Titania Nanosheets for Alkaliâ€Metalâ€Ion Batteries. Angewandte Chemie, 2019, 131, 8832-8837.	1.6	13
48	Facile synthesis of colloidal nitrogenâ€doped titanium carbide sheets with enhanced electrochemical performance. , 2020, 2, 624-634.		13
49	Two-dimensional tungstate nanosheets for constructing novel photochromic hydrogel with ultrahigh flexibility. Journal of Materiomics, 2018, 4, 144-148.	2.8	12
50	Genuine divalent magnesium-ion storage and fast diffusion kinetics in metal oxides at room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
51	Boosting Electrocatalytic Performances of Palladium Nanoparticles by Coupling with Metallic Single-Walled Carbon Nanotubes. Chemistry of Materials, 2014, 26, 2789-2794.	3.2	10
52	Flexible Quasi-Solid-State Sodium-Ion Batteries Built by Stacking Two-Dimensional Titania Sheets with Carbon Nanotube Spacers. ACS Applied Energy Materials, 2019, 2, 5707-5715.	2.5	5