Yuxi Xu

List of Publications by Year in descending order

100 papers	23,151 citations	25034 57 h-index	34986 98 g-index
106 all docs	106 docs citations	106 times ranked	25627 citing authors

#	Article	IF	Citations
1	Rapid, Ordered Polymerization of Crystalline Semiconducting Covalent Triazine Frameworks. Angewandte Chemie, 2022, 134, e202113926.	2.0	5
2	Rapid, Ordered Polymerization of Crystalline Semiconducting Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202113926.	13.8	54
3	2D Polymer Nanosheets for Membrane Separation. Advanced Science, 2022, 9, e2103814.	11.2	39
4	A General Strategy for Kilogramâ€Scale Preparation of Highly Crystalâ€line Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202203327.	13.8	29
5	A General Strategy for Kilogramâ€Scale Preparation of Highly Crystalline Covalent Triazine Frameworks. Angewandte Chemie, 2022, 134, .	2.0	1
6	Nanoconfinement Synthesis of Ultrasmall Bismuth Oxyhalide Nanocrystals with Sizeâ€Induced Fully Reversible Potassiumâ€Ion Storage and Ultrahigh Volumetric Capacity. Advanced Functional Materials, 2022, 32, .	14.9	15
7	RÃ¼cktitelbild: Rapid, Ordered Polymerization of Crystalline Semiconducting Covalent Triazine Frameworks (Angew. Chem. 4/2022). Angewandte Chemie, 2022, 134, .	2.0	0
8	Tailoring the interaction of covalent organic framework with the polyether matrix toward highâ€performance solidâ€state lithium metal batteries. , 2022, 4, 506-516.		25
9	Two-dimensional polymer nanosheets for efficient energy storage and conversion. Nano Research, 2021, 14, 2023-2036.	10.4	28
10	Highâ€Voltageâ€Tolerant Covalent Organic Framework Electrolyte with Holistically Oriented Channels for Solidâ€State Lithium Metal Batteries with Nickelâ€Rich Cathodes. Angewandte Chemie - International Edition, 2021, 60, 24915-24923.	13.8	67
11	Ultrathin Crystalline Covalentâ€Triazineâ€Framework Nanosheets with Electron Donor Groups for Synergistically Enhanced Photocatalytic Water Splitting. Angewandte Chemie, 2021, 133, 25585-25594.	2.0	8
12	Ultrathin Crystalline Covalentâ€Triazineâ€Framework Nanosheets with Electron Donor Groups for Synergistically Enhanced Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2021, 60, 25381-25390.	13.8	104
13	A Selfâ€Growth Strategy for Simultaneous Modulation of Interlayer Distance and Lyophilicity of Graphene Layers toward Ultrahigh Potassium Storage Performance. Advanced Functional Materials, 2021, 31, 2105145.	14.9	26
14	Recent progress in metalâ€“organic framework/graphene-derived materials for energy storage and conversion: design, preparation, and application. Chemical Science, 2021, 12, 5737-5766.	7.4	79
15	Supramolecular Modulation of Molecular Conformation of Metal Porphyrins toward Remarkably Enhanced Multipurpose Electrocatalysis and Ultrahighâ€Performance Zincâ€“Air Batteries. Advanced Energy Materials, 2021, 11, 2102062.	19.5	27
16	Frontispiece: Highâ€Voltageâ€Tolerant Covalent Organic Framework Electrolyte with Holistically Oriented Channels for Solidâ€State Lithium Metal Batteries with Nickelâ€Rich Cathodes. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
17	Frontispiz: Highâ€Voltageâ€Tolerant Covalent Organic Framework Electrolyte with Holistically Oriented Channels for Solidâ€State Lithium Metal Batteries with Nickelâ€Rich Cathodes. Angewandte Chemie, 2021, 133, .	2.0	0
18	Emerging Two-Dimensional Covalent and Coordination Polymers for Stable Lithium Metal Batteries: From Liquid to Solid. ACS Nano, 2021, 15, 19026-19053.	14.6	20

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19	Supramolecular Modulation of Molecular Conformation of Metal Porphyrins toward Remarkably Enhanced Multipurpose Electrocatalysis and Ultrahighâ€Performance Zincâ€“Air Batteries (Adv. Energy) Tj ETQq1 1 0.784314 rgBT /Ove	19.5	4
20	An Ultrafast Conducting Polymer@MXene Positive Electrode with High Volumetric Capacitance for Advanced Asymmetric Supercapacitors. Small, 2020, 16, e1906851.	10.0	186
21	Graphene Oxide-Supported Organo-Montmorillonite Composites for the Removal of Pb(II), Cd(II), and As(V) Contaminants from Water. ACS Applied Nano Materials, 2020, 3, 806-813.	5.0	30
22	Interface Engineering between the Metalâ€“Organic Framework Nanocrystal and Graphene toward Ultrahigh Potassium-Ion Storage Performance. ACS Nano, 2020, 14, 10210-10218.	14.6	88
23	Covalent Triazine Framework Nanosheets for Efficient Energy Storage and Conversion. Chemical Research in Chinese Universities, 2020, 36, 640-647.	2.6	25
24	3D MXene Architectures for Efficient Energy Storage and Conversion. Advanced Functional Materials, 2020, 30, 2000842.	14.9	276
25	All-pseudocapacitive asymmetric MXene-carbon-conducting polymer supercapacitors. Nano Energy, 2020, 75, 104971.	16.0	119
26	Monomer-dependent synthesis of secondary amine-linked triazine-based two-dimensional polymers nanosheets. Science China Chemistry, 2020, 63, 966-972.	8.2	7
27	A Universal Strategy toward Ultrasmall Hollow Nanostructures with Remarkable Electrochemical Performance. Angewandte Chemie - International Edition, 2020, 59, 8247-8254.	13.8	72
28	A Universal Strategy toward Ultrasmall Hollow Nanostructures with Remarkable Electrochemical Performance. Angewandte Chemie, 2020, 132, 8324-8331.	2.0	22
29	Holey graphene-based nanocomposites for efficient electrochemical energy storage. Nano Energy, 2020, 73, 104762.	16.0	87
30	Amorphous and Crystalline 2D Polymeric Carbon Nitride Nanosheets for Photocatalytic Hydrogen/Oxygen Evolution and Hydrogen Peroxide Production. Chemistry - an Asian Journal, 2020, 15, 2329-2340.	3.3	32
31	Microwave-assisted ultrafast synthesis of adjustable bimetal phosphide/graphene heterostructures from MOFs for efficient electrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 14526-14535.	10.3	88
32	Semiconducting Crystalline Two-Dimensional Polyimide Nanosheets with Superior Sodium Storage Properties. ACS Nano, 2019, 13, 2473-2480.	14.6	46
33	Ultrafine FeS₂ nanocrystals/porous nitrogen-doped carbon hybrid nanospheres encapsulated in three-dimensional graphene for simultaneous efficient lithium and sodium ion storage. Journal of Materials Chemistry A, 2019, 7, 26342-26350.	10.3	53
34	Efficient Fractionation of Graphene Oxide Based on Reversible Adsorption of Polymer and Size-Dependent Sodium Ion Storage. ACS Applied Materials & Interfaces, 2019, 11, 2218-2224.	8.0	6
35	Hierarchical 3D electrodes for electrochemical energy storage. Nature Reviews Materials, 2019, 4, 45-60.	48.7	554
36	Rational design of three-dimensional graphene encapsulated coreâ€“shell FeS@carbon nanocomposite as a flexible high-performance anode for sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 6414-6421.	10.3	113

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37	Graphene anchored on Cu foam as a lithiophilic 3D current collector for a stable and dendrite-free lithium metal anode. Journal of Materials Chemistry A, 2018, 6, 9899-9905.	10.3	137
38	New Layered Triazine Framework/Exfoliated 2D Polymer with Superior Sodiumâ€Storage Properties. Advanced Materials, 2018, 30, 1705401.	21.0	177
39	Ultrathin Nitrogenâ€Doped Carbon Layer Uniformly Supported on Graphene Frameworks as Ultrahighâ€Capacity Anode for Lithiumâ€Ion Full Battery. Small, 2018, 14, e1703969.	10.0	34
40	A three-dimensional graphene framework-enabled high-performance stretchable asymmetric supercapacitor. Journal of Materials Chemistry A, 2018, 6, 1802-1808.	10.3	48
41	Sub-5 nm Ultrasmall Metalâ€“Organic Framework Nanocrystals for Highly Efficient Electrochemical Energy Storage. ACS Nano, 2018, 12, 3947-3953.	14.6	110
42	Double-Holey-Heterostructure Frameworks Enable Fast, Stable, and Simultaneous Ultrahigh Gravimetric, Areal, and Volumetric Lithium Storage. ACS Nano, 2018, 12, 12879-12887.	14.6	61
43	3D Graphene Composites for Efficient Electrochemical Energy Storage. Advanced Materials Interfaces, 2018, 5, 1800468.	3.7	48
44	Unexpected Effect of Electrode Architecture on High-Performance Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 33269-33275.	8.0	9
45	Microwave-assisted CVD-like synthesis of dispersed monolayer/few-layer N-doped graphene encapsulated metal nanocrystals for efficient electrocatalytic oxygen evolution. Chemical Science, 2018, 9, 7009-7016.	7.4	49
46	Recent progress in two-dimensional polymers for energy storage and conversion: design, synthesis, and applications. Journal of Materials Chemistry A, 2018, 6, 21676-21695.	10.3	78
47	Fewâ€Layer Silicene Nanosheets with Superior Lithiumâ€Storage Properties. Advanced Materials, 2018, 30, e1800838.	21.0	126
48	Three-dimensional graphene/polyimide composite-derived flexible high-performance organic cathode for rechargeable lithium and sodium batteries. Journal of Materials Chemistry A, 2017, 5, 2710-2716.	10.3	119
49	Graphene/polyaniline@carbon cloth composite as a high-performance flexible supercapacitor electrode prepared by a one-step electrochemical co-deposition method. RSC Advances, 2017, 7, 7688-7693.	3.6	76
50	Integration of ultrathin graphene/polyaniline composite nanosheets with a robust 3D graphene framework for highly flexible all-solid-state supercapacitors with superior energy density and exceptional cycling stability. Journal of Materials Chemistry A, 2017, 5, 5466-5474.	10.3	111
51	Dispersionâ€“Assembly Approach to Synthesize Three-Dimensional Graphene/Polymer Composite Aerogel as a Powerful Organic Cathode for Rechargeable Li and Na Batteries. ACS Applied Materials & Interfaces, 2017, 9, 15549-15556.	8.0	79
52	Fe₇Se₈@C coreâ€“shell nanoparticles encapsulated within a three-dimensional graphene composite as a high-performance flexible anode for lithium-ion batteries. New Journal of Chemistry, 2017, 41, 5121-5124.	2.8	31
53	Porous Fe₂O₃ Nanoframeworks Encapsulated within Three-Dimensional Graphene as High-Performance Flexible Anode for Lithium-Ion Battery. ACS Nano, 2017, 11, 5140-5147.	14.6	421
54	One Versatile Route to Threeâ€Dimensional Graphene Wrapped Metal Cyanide Aerogels for Enhanced Sodium Ion Storage. Chemistry - A European Journal, 2017, 23, 8358-8363.	3.3	20

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55	Integration of Graphene, Nano Sulfur, and Conducting Polymer into Compact, Flexible Lithiumâ€“Sulfur Battery Cathodes with Ultrahigh Volumetric Capacity and Superior Cycling Stability for Foldable Devices. Advanced Materials, 2017, 29, 1703324.	21.0	167
56	A Catalytic Microwave Process for Superfast Preparation of Highâ€Quality Reduced Graphene Oxide. Angewandte Chemie, 2017, 129, 15883-15888.	2.0	18
57	A Catalytic Microwave Process for Superfast Preparation of Highâ€Quality Reduced Graphene Oxide. Angewandte Chemie - International Edition, 2017, 56, 15677-15682.	13.8	82
58	Inâ€…Situ Growth and Wrapping of Aminoanthraquinone Nanowires in 3â€‰D Graphene Framework as Foldable Organic Cathode for Lithiumâ€‐ion Batteries. ChemSusChem, 2017, 10, 3419-3426.	6.8	30
59	Reversible 3D self-assembly of graphene oxide and stimuli-responsive polymers for high-performance graphene-based supercapacitors. Journal of Materials Chemistry A, 2017, 5, 19098-19106.	10.3	33
60	RÃ¼cktitelbild: A Catalytic Microwave Process for Superfast Preparation of Highâ€Quality Reduced Graphene Oxide (Angew. Chem. 49/2017). Angewandte Chemie, 2017, 129, 15978-15978.	2.0	0
61	Solution Synthesis of Semiconducting Two-Dimensional Polymer via Trimerization of Carbonitrile. Journal of the American Chemical Society, 2017, 139, 11666-11669.	13.7	175
62	Three-dimensional graphene membrane cathode for high energy density rechargeable lithium-air batteries in ambient conditions. Nano Research, 2017, 10, 472-482.	10.4	32
63	A facile synthesis of three dimensional graphene sponge composited with sulfur nanoparticles for flexible Liâ€“S cathodes. Physical Chemistry Chemical Physics, 2016, 18, 22146-22153.	2.8	63
64	Functional Three-Dimensional Graphene/Polymer Composites. ACS Nano, 2016, 10, 7231-7247.	14.6	296
65	Incorporating conjugated carbonyl compounds into carbon nanomaterials as electrode materials for electrochemical energy storage. Physical Chemistry Chemical Physics, 2016, 18, 31361-31377.	2.8	29
66	Three-dimensional graphene framework with ultra-high sulfur content for a robust lithiumâ€“sulfur battery. Nano Research, 2016, 9, 240-248.	10.4	165
67	Rational synthesis of carbon shell coated polyaniline/MoS2 monolayer composites for high-performance supercapacitors. Nano Research, 2016, 9, 951-962.	10.4	101
68	Morphology Effect of Vertical Graphene on the High Performance of Supercapacitor Electrode. ACS Applied Materials & Interfaces, 2016, 8, 7363-7369.	8.0	98
69	Self-Assembled Three-Dimensional Graphene Macrostructures: Synthesis and Applications in Supercapacitors. Accounts of Chemical Research, 2015, 48, 1666-1675.	15.6	441
70	Solution Processable Holey Graphene Oxide and Its Derived Macrostructures for High-Performance Supercapacitors. Nano Letters, 2015, 15, 4605-4610.	9.1	426
71	Solvated Graphene Frameworks as Highâ€Performance Anodes for Lithiumâ€‐ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 5345-5350.	13.8	124
72	Reduced graphene oxide/silicon nanowire heterostructures with enhanced photoactivity and superior photoelectrochemical stability. Nano Research, 2015, 8, 2850-2858.	10.4	34

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73	Cosolvent Approach for Solution-Processable Electronic Thin Films. ACS Nano, 2015, 9, 4398-4405.	14.6	63
74	Solution Processable Colloidal Nanoplates as Building Blocks for High-Performance Electronic Thin Films on Flexible Substrates. Nano Letters, 2014, 14, 6547-6553.	9.1	69
75	Holey graphene frameworks for highly efficient capacitive energy storage. Nature Communications, 2014, 5, 4554.	12.8	1,161
76	Functionalized Graphene Hydrogelâ€Based Highâ€Performance Supercapacitors. Advanced Materials, 2013, 25, 5779-5784.	21.0	577
77	Graphene-hemin hybrid material as effective catalyst for selective oxidation of primary C-H bond in toluene. Scientific Reports, 2013, 3, .	3.3	45
78	Monodisperse Cu@PtCu nanocrystals and their conversion into hollow-PtCu nanostructures for methanol oxidation. Journal of Materials Chemistry A, 2013, 1, 14449.	10.3	58
79	One-step strategy to graphene/Ni(OH)2 composite hydrogels as advanced three-dimensional supercapacitor electrode materials. Nano Research, 2013, 6, 65-76.	10.4	202
80	Palladiumâ€Based Nanostructures with Highly Porous Features and Perpendicular Pore Channels as Enhanced Organic Catalysts. Angewandte Chemie - International Edition, 2013, 52, 2520-2524.	13.8	147
81	Flexible Solid-State Supercapacitors Based on Three-Dimensional Graphene Hydrogel Films. ACS Nano, 2013, 7, 4042-4049.	14.6	1,037
82	A Facile Strategy to Pt₃Ni Nanocrystals with Highly Porous Features as an Enhanced Oxygen Reduction Reaction Catalyst. Advanced Materials, 2013, 25, 2974-2979.	21.0	232
83	A versatile strategy to the selective synthesis of Cu nanocrystals and the in situ conversion to CuRu nanotubes. Nanoscale, 2013, 5, 6284.	5.6	36
84	Graphene Hydrogels: Functionalized Graphene Hydrogel-Based High-Performance Supercapacitors (Adv. Mater. 40/2013). Advanced Materials, 2013, 25, 5828-5828.	21.0	3
85	Synthesis of CaCO3/graphene composite crystals for ultra-strong structural materials. RSC Advances, 2012, 2, 2154.	3.6	40
86	Highly conductive and flexible mesoporous graphitic films prepared by graphitizing the composites of graphene oxide and nanodiamond. Journal of Materials Chemistry, 2011, 21, 7154.	6.7	85
87	Highly conductive chemically converted graphene prepared from mildly oxidized graphene oxide. Journal of Materials Chemistry, 2011, 21, 7376.	6.7	187
88	Assembly of chemically modified graphene: methods and applications. Journal of Materials Chemistry, 2011, 21, 3311-3323.	6.7	250
89	Preparation of Gold Nanoparticle/Graphene Composites with Controlled Weight Contents and Their Application in Biosensors. Journal of Physical Chemistry C, 2010, 114, 1822-1826.	3.1	389
90	Self-Assembled Graphene Hydrogel via a One-Step Hydrothermal Process. ACS Nano, 2010, 4, 4324-4330.	14.6	2,999

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91	Three-Dimensional Self-Assembly of Graphene Oxide and DNA into Multifunctional Hydrogels. ACS Nano, 2010, 4, 7358-7362.	14.6	788
92	Supercapacitors Based on Flexible Graphene/Polyaniline Nanofiber Composite Films. ACS Nano, 2010, 4, 1963-1970.	14.6	2,100
93	Chemically converted graphene as substrate for immobilizing and enhancing the activity of a polymeric catalyst. Chemical Communications, 2010, 46, 4740.	4.1	287
94	Polyaniline electrochromic devices with transparent graphene electrodes. Electrochimica Acta, 2009, 55, 491-497.	5.2	244
95	Strong and ductile poly(vinyl alcohol)/graphene oxide composite films with a layered structure. Carbon, 2009, 47, 3538-3543.	10.3	671
96	Non-covalent functionalization of graphene sheets by sulfonated polyaniline. Chemical Communications, 2009, , 1667.	4.1	569
97	Chemically Converted Graphene Induced Molecular Flattening of 5,10,15,20-Tetrakis(1-methyl-4-pyridinio)porphyrin and Its Application for Optical Detection of Cadmium(II) Ions. Journal of the American Chemical Society, 2009, 131, 13490-13497.	13.7	497
98	Transparent graphene/PEDOTâ€“PSS composite films as counter electrodes of dye-sensitized solar cells. Electrochemistry Communications, 2008, 10, 1555-1558.	4.7	802
99	Flexible Graphene Films via the Filtration of Water-Soluble Noncovalent Functionalized Graphene Sheets. Journal of the American Chemical Society, 2008, 130, 5856-5857.	13.7	3,085
100	Highâ€Voltageâ€Tolerant Covalent Organic Framework Electrolyte with Holistically Oriented Channels for Solidâ€State Lithium Metal Batteries with Nickelâ€Rich Cathodes. Angewandte Chemie, 0, , .	2.0	3