Juan Yang

List of Publications by Year
in descending order

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63	5,563	136740	110170
papers	citations	32 h-index	64 g-index

67	67	67	7782
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanochemical coordination self-assembly for Cobalt-based metal-organic framework-derived bifunctional oxygen electrocatalysts. Journal of Colloid and Interface Science, 2022, 613, 733-746.	5.0	14
2	Multilayer-Dense Porous Carbon Nanosheets with High Volumetric Capacitance for Supercapacitors. Industrial & Engineering Chemistry Research, 2022, 61, 8908-8917.	1.8	6
3	Operando leaching of pre-incorporated Al and mechanism in transition-metal hybrids on carbon substrates for enhanced charge storage. Matter, 2021, 4, 2902-2918.	5.0	22
4	Nitrogen-doped hierarchically porous carbon nanosheets derived from polymer/graphene oxide hydrogels for high-performance supercapacitors. Journal of Colloid and Interface Science, 2020, 560, 69-76.	5.0	106
5	A facile fabrication of 1D/2D nanohybrids composed of NiCo-hydroxide nanowires and reduced graphene oxide for high-performance asymmetric supercapacitors. Inorganic Chemistry Frontiers, 2020, 7, 204-211.	3.0	23
6	Fabrication of nitrogen-doped porous graphene hybrid nanosheets from metalâ€“organic frameworks for lithium-ion batteries. Nanotechnology, 2020, 31, 145402.	1.3	12
7	Boosting Supercapacitor Performance of Graphene by Coupling with Nitrogenâ€Doped Hollow Carbon Frameworks. Chemistry - A European Journal, 2020, 26, 2897-2903.	1.7	26
8	Ultrafast Construction of Oxygen-Containing Scaffold over Graphite for Trapping Ni²⁺ into Single Atom Catalysts. ACS Nano, 2020, 14, 11662-11669.	7.3	20
9	Electrode roughness dependent electrodeposition of sodium at the nanoscale. Nano Energy, 2020, 72, 104721.	8.2	54
10	Dual Hybrid Effect Endowing Nickelâ€“Cobalt Sulfides with Enhanced Cycling Stability for Asymmetrical Supercapacitors. ACS Applied Energy Materials, 2020, 3, 6977-6984.	2.5	21
11	Fabrication of Porous Carbon Nanosheets with the Engineered Graphitic Structure for Electrochemical Supercapacitors. Industrial & Engineering Chemistry Research, 2020, 59, 13623-13630.	1.8	12
12	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. Joule, 2020, 4, 673-687.	11.7	88
13	Silicaâ€Assisted Fabrication of Nâ€doped Porous Carbon for Efficient Electrocatalytic Nitrogen Fixation. ChemCatChem, 2020, 12, 3453-3458.	1.8	5
14	Formation of two-dimensional transition metal oxide nanosheets with nanoparticles as intermediates. Nature Materials, 2019, 18, 970-976.	13.3	169
15	Porosity-Induced High Selectivity for CO₂ Electroreduction to CO on Fe-Doped ZIF-Derived Carbon Catalysts. ACS Catalysis, 2019, 9, 11579-11588.	5.5	99
16	Multilevel Coupled Hybrids Made of Porous Cobalt Oxides and Graphene for Highâ€Performance Lithium Storage. Chemistry - A European Journal, 2019, 25, 5527-5533.	1.7	6
17	Polyethyleneimine-Mediated Fabrication of Two-Dimensional Cobalt Sulfide/Graphene Hybrid Nanosheets for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 26235-26242.	4.0	35
18	A Phase Transformationâ€Resistant Electrode Enabled by a MnO₂â€Confined Effect for Enhanced Energy Storage. Advanced Functional Materials, 2019, 29, 1901342.	7.8	18

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19	Ultrathin 2D nitrogen-doped carbon nanosheets for high performance supercapacitors: insight into the effects of graphene oxides. Nanoscale, 2019, 11, 8588-8596.	2.8	49
20	Electrochemically Driven Coordination Tuning of FeOOH Integrated on Carbon Fiber Paper for Enhanced Oxygen Evolution. Small, 2019, 15, e1901015.	5.2	46
21	An electrocatalyst with anti-oxidized capability for overall water splitting. Nano Research, 2018, 11, 3411-3418.	5.8	16
22	Microporous MOFs Engaged in the Formation of Nitrogenâ€Doped Mesoporous Carbon Nanosheets for Highâ€Rate Supercapacitors. Chemistry - A European Journal, 2018, 24, 2681-2686.	1.7	21
23	Calcined MgAl-Layered Double Hydroxide/Graphene Hybrids for Capacitive Deionization. Industrial & Engineering Chemistry Research, 2018, 57, 6417-6425.	1.8	59
24	Phosphate Species up to 70% Mass Ratio for Enhanced Pseudocapacitive Properties. Small, 2018, 14, e1803811.	5.2	29
25	Surfaceâ€Confined Fabrication of Ultrathin Nickel Cobaltâ€Layered Double Hydroxide Nanosheets for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2018, 28, 1803272.	7.8	215
26	Facile synthesis of 2D nitrogen-containing porous carbon nanosheets induced by graphene oxide for high-performance supercapacitors. Sustainable Energy and Fuels, 2018, 2, 2494-2501.	2.5	6
27	Iron-tuned super nickel phosphide microstructures with high activity for electrochemical overall water splitting. Nano Energy, 2017, 34, 472-480.	8.2	258
28	Ultrasensitive Ironâ€Triggered Nanosized Feâ€“CoOOH Integrated with Graphene for Highly Efficient Oxygen Evolution. Advanced Energy Materials, 2017, 7, 1602148.	10.2	216
29	Ultrafine MoO₂â€Carbon Microstructures Enable Ultralongâ€Life Powerâ€Type Sodium Ion Storage by Enhanced Pseudocapacitance. Advanced Energy Materials, 2017, 7, 1602880.	10.2	306
30	Nitrogen-doped tubular/porous carbon channels implanted on graphene frameworks for multiple confinement of sulfur and polysulfides. Journal of Materials Chemistry A, 2017, 5, 10380-10386.	5.2	32
31	A superhydrophilic â€œnanoglueâ€• for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. Energy and Environmental Science, 2017, 10, 1958-1965.	15.6	294
32	Templated self-assembly of one-dimensional CsPbX₃ perovskite nanocrystal superlattices. Nanoscale, 2017, 9, 17688-17693.	2.8	39
33	Supercapacitors: Highâ€Stackingâ€Density, Superiorâ€Roughness LDH Bridged with Vertically Aligned Graphene for Highâ€Performance Asymmetric Supercapacitors (Small 37/2017). Small, 2017, 13, .	5.2	1
34	Sodiumâ€Ion Batteries: Ultrafine MoO₂â€Carbon Microstructures Enable Ultralongâ€Life Powerâ€Type Sodium Ion Storage by Enhanced Pseudocapacitance (Adv. Energy Mater. 15/2017). Advanced Energy Materials, 2017, 7, .	10.2	2
35	Highâ€Stackingâ€Density, Superiorâ€Roughness LDH Bridged with Vertically Aligned Graphene for Highâ€Performance Asymmetric Supercapacitors. Small, 2017, 13, 1701288.	5.2	83
36	Ultrathin Nitrogenâ€Enriched Hybrid Carbon Nanosheets for Supercapacitors with Ultrahigh Rate Performance and High Energy Density. ChemElectroChem, 2017, 4, 369-375.	1.7	32

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37	High performance asymmetric capacitive mixing with oppositely charged carbon electrodes for energy production from salinity differences. Journal of Materials Chemistry A, 2017, 5, 20374-20380.	5.2	31
38	Electrocatalysts: Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFe-Layered Double Hydroxide Assembled on Graphene (Adv. Mater. Interfaces 7/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	3
39	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFeâ€Layered Double Hydroxide Assembled on Graphene. Advanced Materials Interfaces, 2016, 3, 1500782.	1.9	165
40	A Dual Component Catalytic System Composed of Nonâ€Noble Metal Oxides for Liâ€“O₂ Batteries with Enhanced Cyclability. Particle and Particle Systems Characterization, 2016, 33, 228-234.	1.2	3
41	Strongly Coupled Architectures of Cobalt Phosphide Nanoparticles Assembled on Graphene as Bifunctional Electrocatalysts for Water Splitting. ChemElectroChem, 2016, 3, 681-681.	1.7	0
42	NiCo-layered double hydroxides vertically assembled on carbon fiber papers as binder-free high-active electrocatalysts for water oxidation. Carbon, 2016, 110, 1-7.	5.4	175
43	Bridging of Ultrathin NiCo₂O₄ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. Chemistry of Materials, 2016, 28, 5855-5863.	3.2	116
44	Ultrasmall diiron phosphide nanodots anchored on graphene sheets with enhanced electrocatalytic activity for hydrogen production via high-efficiency water splitting. Journal of Materials Chemistry A, 2016, 4, 16028-16035.	5.2	44
45	Strongly Coupled Architectures of Cobalt Phosphide Nanoparticles Assembled on Graphene as Bifunctional Electrocatalysts for Water Splitting. ChemElectroChem, 2016, 3, 719-725.	1.7	82
46	CoMn Layered Double Hydroxides/Carbon Nanotubes Architectures as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. ChemElectroChem, 2016, 3, 850-850.	1.7	4
47	CoMn Layered Double Hydroxides/Carbon Nanotubes Architectures as Highâ€Performance Electrocatalysts for the Oxygen Evolution Reaction. ChemElectroChem, 2016, 3, 906-912.	1.7	78
48	Electroactive edge site-enriched nickelâ€“cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. Energy and Environmental Science, 2016, 9, 1299-1307.	15.6	623
49	3D Porous Nâ€Doped Graphene Frameworks Made of Interconnected Nanocages for Ultrahighâ€Rate and Longâ€Life Liâ€“O₂ Batteries. Advanced Functional Materials, 2015, 25, 6913-6920.	7.8	231
50	Facile Fabrication of Bicomponent CoO/CoFe₂O₄â€Nâ€Doped Graphene Hybrids with Ultrahigh Lithium Storage Capacity. Particle and Particle Systems Characterization, 2015, 32, 91-97.	1.2	25
51	Ultrafast Selfâ€Assembly of Graphene Oxideâ€Induced Monolithic NiCoâ€“Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors. Advanced Functional Materials, 2015, 25, 2109-2116.	7.8	230
52	Thermodynamically Stable Pickering Emulsion Configured with Carbon-Nanotube-Bridged Nanosheet-Shaped Layered Double Hydroxide for Selective Oxidation of Benzyl Alcohol. ACS Applied Materials & Interfaces, 2015, 7, 12203-12209.	4.0	53
53	Monolithic Electrodes: Ultrafast Selfâ€Assembly of Graphene Oxideâ€Induced Monolithic NiCoâ€“Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors (Adv. Funct. Mater. 14/2015). Advanced Functional Materials, 2015, 25, 2203-2203.	7.8	2
54	Tailor-made graphene aerogels with inbuilt baffle plates by charge-induced template-directed assembly for high-performance Liâ€“S batteries. Journal of Materials Chemistry A, 2015, 3, 21842-21848.	5.2	33

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55	A Layeredâ€Nanospaceâ€Confinement Strategy for the Synthesis of Twoâ€Dimensional Porous Carbon Nanosheets for Highâ€Rate Performance Supercapacitors. Advanced Energy Materials, 2015, 5, 1401761.	10.2	308
56	Supercapacitors: 3D Architecture Materials Made of NiCoAl-LDH Nanoplates Coupled with NiCo-Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors (Adv. Energy Mater. 18/2014). Advanced Energy Materials, 2014, 4, n/a-n/a.	10.2	2
57	Hydrothermal synthesis and activation of graphene-incorporated nitrogen-rich carbon composite for high-performance supercapacitors. Carbon, 2014, 70, 130-141.	5.4	171
58	Preparation of Single-Walled Carbon Nanotubes from Fullerene Waste Soot. ACS Sustainable Chemistry and Engineering, 2014, 2, 14-18.	3.2	10
59	Nanohybrids from NiCoAl-LDH coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. Nanoscale, 2014, 6, 3097-3104.	2.8	176
60	3D Architecture Materials Made of NiCoAlâ€LDH Nanoplates Coupled with NiCoâ€Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors. Advanced Energy Materials, 2014, 4, 1400761.	10.2	251
61	Facile fabrication of MWCNT-doped NiCoAl-layered double hydroxide nanosheets with enhanced electrochemical performances. Journal of Materials Chemistry A, 2013, 1, 1963-1968.	5.2	193
62	Hydrothermal Synthesis of Phosphate-Functionalized Carbon Nanotube-Containing Carbon Composites for Supercapacitors with Highly Stable Performance. ACS Applied Materials & Interfaces, 2013, 5, 2104-2110.	4.0	107
63	Operando Leaching of Pre-Incorporated Al and Mechanism in Transition Metal Hybrids for Elaborately Enhanced Charge Storage. SSRN Electronic Journal, 0, , .	0.4	0