

Angang Dong

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107
papers

6,627
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42
h-index

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114
ext. papers

7,499
ext. citations

11.9
avg, IF

5.88
L-index

#	Paper	IF	Citations
107	Binary nanocrystal superlattice membranes self-assembled at the liquid-air interface. <i>Nature</i> , 2010 , 466, 474-7	50.4	661
106	A generalized ligand-exchange strategy enabling sequential surface functionalization of colloidal nanocrystals. <i>Journal of the American Chemical Society</i> , 2011 , 133, 998-1006	16.4	631
105	Solution-liquid-solid growth of semiconductor nanowires. <i>Inorganic Chemistry</i> , 2006 , 45, 7511-21	5.1	295
104	General synthesis of mesoporous spheres of metal oxides and phosphates. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4976-7	16.4	225
103	Zeolitic Tissue Through Wood Cell Templating. <i>Advanced Materials</i> , 2002 , 14, 926	24	218
102	Generalized colloidal synthesis of high-quality, two-dimensional cesium lead halide perovskite nanosheets and their applications in photodetectors. <i>Nanoscale</i> , 2016 , 8, 13589-96	7.7	215
101	Quasi-Two-Dimensional Halide Perovskite Single Crystal Photodetector. <i>ACS Nano</i> , 2018 , 12, 4919-4929	16.7	178
100	Two-dimensional binary and ternary nanocrystal superlattices: the case of monolayers and bilayers. <i>Nano Letters</i> , 2011 , 11, 1804-9	11.5	144
99	Controlled Synthesis of Magnetite/Silica Nanocomposites via a Seeded Sol-Gel Approach. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7646-7651	3.8	141
98	Hollow Zeolite Capsules: A Novel Approach for Fabrication and Guest Encapsulation. <i>Chemistry of Materials</i> , 2002 , 14, 3217-3219	9.6	136
97	Simple-Cubic Carbon Frameworks with Atomically Dispersed Iron Dopants toward High-Efficiency Oxygen Reduction. <i>Nano Letters</i> , 2017 , 17, 2003-2009	11.5	134
96	Monodisperse Sn nanocrystals as a platform for the study of mechanical damage during electrochemical reactions with Li. <i>Nano Letters</i> , 2013 , 13, 1800-5	11.5	126
95	Yb- and Mn-Doped Lead-Free Double Perovskite CsAgBiX (X = Cl, Br) Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16855-16863	9.5	125
94	Collective dipolar interactions in self-assembled magnetic binary nanocrystal superlattice membranes. <i>Nano Letters</i> , 2010 , 10, 5103-8	11.5	125
93	Hydrophilic multi-walled carbon nanotubes decorated with magnetite nanoparticles as lymphatic targeted drug delivery vehicles. <i>Chemical Communications</i> , 2009 , 4447-9	5.8	125
92	A nitrogen-doped ordered mesoporous carbon/graphene framework as bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Nano Energy</i> , 2016 , 30, 503-510	17.1	119
91	Solution-Liquid-Solid Synthesis, Properties, and Applications of One-Dimensional Colloidal Semiconductor Nanorods and Nanowires. <i>Chemical Reviews</i> , 2016 , 116, 10888-933	68.1	119

90	Solution-liquid-solid (SLS) growth of ZnSe-ZnTe quantum wires having axial heterojunctions. <i>Nano Letters</i> , 2007 , 7, 1308-13	11.5	119
89	Fabrication of three-dimensionally interconnected nanoparticle superlattices and their lithium-ion storage properties. <i>Nature Communications</i> , 2015 , 6, 6420	17.4	115
88	Solution-based growth and structural characterization of homo- and heterobranched semiconductor nanowires. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12254-62	16.4	106
87	Mechanically Stable Zeolite Monoliths with Three-Dimensional Ordered Macropores by the Transformation of Mesoporous Silica Spheres. <i>Advanced Materials</i> , 2002 , 14, 1506-1510	24	106
86	Zeolitization of diatomite to prepare hierarchical porous zeolite materials through a vapor-phase transport process. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1812-1818		98
85	Quasicrystalline nanocrystal superlattice with partial matching rules. <i>Nature Materials</i> , 2017 , 16, 214-219	27	96
84	Preparation of Hollow Zeolite Spheres and Three-Dimensionally Ordered Macroporous Zeolite Monoliths with Functionalized Interiors. <i>Advanced Functional Materials</i> , 2003 , 13, 943-948	15.6	92
83	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018 , 3, 1443-1449	20.1	92
82	Electronically coupled nanocrystal superlattice films by in situ ligand exchange at the liquid-air interface. <i>ACS Nano</i> , 2013 , 7, 10978-84	16.7	89
81	Highly ordered mesoporous few-layer graphene frameworks enabled by Fe ₃ O ₄ nanocrystal superlattices. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5727-31	16.4	86
80	Tubular Monolayer Superlattices of Hollow MnO Nanocrystals and Their Oxygen Reduction Activity. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12133-12136	16.4	86
79	Synthesis of silver nanoparticles via electrochemical reduction on compact zeolite film modified electrodes. <i>Chemical Communications</i> , 2002 , 2814-5	5.8	81
78	Fabrication of hollow zeolite microcapsules with tailored shapes and functionalized interiors. <i>Microporous and Mesoporous Materials</i> , 2003 , 64, 69-81	5.3	77
77	Multiscale periodic assembly of striped nanocrystal superlattice films on a liquid surface. <i>Nano Letters</i> , 2011 , 11, 841-6	11.5	73
76	Self-Assembly of One-Dimensional Nanocrystal Superlattice Chains Mediated by Molecular Clusters. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3290-3	16.4	73
75	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , 2019 , 19, 5423-5430	11.5	72
74	Elaborately Designed Micro/Mesoporous Graphitic Carbon Spheres as Efficient Polysulfide Reservoir for Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 1105-1114	20.1	65
73	Bowl-like 3C-SiC Nanoshells Encapsulated in Hollow Graphitic Carbon Spheres for High-Rate Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2016 , 28, 1179-1186	9.6	62

72	Novel Fe ₃ O ₄ -CNTs nanocomposite for Li-ion batteries with enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2014 , 144, 235-242	6.7	59
71	Nanocrystal supracrystal-derived atomically dispersed Mn-Fe catalysts with enhanced oxygen reduction activity. <i>Nano Energy</i> , 2019 , 63, 103851	17.1	55
70	Scalable Assembly of Crystalline Binary Nanocrystal Superparticles and Their Enhanced Magnetic and Electrochemical Properties. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15038-15047	16.4	55
69	Colloidal GaAs quantum wires: solution-liquid-solid synthesis and quantum-confinement studies. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5954-61	16.4	50
68	Designing Champion Nanostructures of Tungsten Dichalcogenides for Electrocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2020 , 32, e2002584	24	48
67	Enhanced thermal stability and magnetic properties in NaCl-type FePt-MnO binary nanocrystal superlattices. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13296-9	16.4	45
66	Mesoporous microcapsules with noble metal or noble metal oxide shells and their application in electrocatalysis. <i>Journal of Materials Chemistry</i> , 2004 , 14, 3548		45
65	Conversion of Fly Ash Cenosphere to Hollow Microspheres with Zeolite/Mullite Composite Shells. <i>Advanced Functional Materials</i> , 2003 , 13, 563-567	15.6	42
64	An efficient electrochemical sensor based on three-dimensionally interconnected mesoporous graphene framework for simultaneous determination of Cd(II) and Pb(II). <i>Electrochimica Acta</i> , 2016 , 222, 1371-1377	6.7	41
63	An affordable manufacturing method to boost the initial Coulombic efficiency of disproportionated SiO lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2019 , 426, 116-123	8.9	36
62	Ionic Liquid as the C and N Sources to Prepare Yolk-shell Fe ₃ O ₄ @N-doped Carbon Nanoparticles and its High Performance in Lithium-ion Battery. <i>Electrochimica Acta</i> , 2016 , 190, 797-803	6.7	35
61	Uniformly coating ZnAl layered double oxide nanosheets with ultra-thin carbon by ligand and phase transformation for enhanced adsorption of anionic pollutants. <i>Journal of Hazardous Materials</i> , 2020 , 397, 122766	12.8	35
60	Synthesis and characterization of pH-responsive single-walled carbon nanotubes with a large number of carboxy groups. <i>Carbon</i> , 2006 , 44, 3161-3167	10.4	33
59	Synthesis of ultrasmall CsPbBr nanoclusters and their transformation to highly deep-blue-emitting nanoribbons at room temperature. <i>Nanoscale</i> , 2017 , 9, 17248-17253	7.7	32
58	Iron-assisted vapor-phase hydrothermal method: a low-temperature approach to synthesize blue light emissive SiO _x nanowires with single-crystal structure of P2(1)2(1)2. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1470-1	16.4	32
57	Fabrication of ultrathin nanozeolite film modified electrodes and their electrochemical behavior. <i>Microporous and Mesoporous Materials</i> , 2003 , 65, 277-285	5.3	31
56	Self-assembly of transition-metal-oxide nanoparticle supraparticles with designed architectures and their enhanced lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16128-16135	13	31
55	Pomegranate-like, carbon-coated Fe ₃ O ₄ nanoparticle superparticles for high-performance lithium storage. <i>Energy Storage Materials</i> , 2018 , 10, 32-39	19.4	30

54	Fabrication of Hierarchically Structured Zeolites through Layer-by-Layer Assembly of Zeolite Nanocrystals on Diatom Templates. <i>Chemistry Letters</i> , 2001 , 30, 1118-1119	1.7	28
53	Three-dimensionally ordered, ultrathin graphitic-carbon frameworks with cage-like mesoporosity for highly stable Li-S batteries. <i>Nano Research</i> , 2017 , 10, 2495-2507	10	27
52	Self-Assembled Nanoparticle Supertubes as Robust Platform for Revealing Long-Term, Multiscale Lithiation Evolution. <i>Matter</i> , 2019 , 1, 976-987	12.7	26
51	Highly Ordered Mesoporous Few-Layer Graphene Frameworks Enabled by Fe ₃ O ₄ Nanocrystal Superlattices. <i>Angewandte Chemie</i> , 2015 , 127, 5819-5823	3.6	26
50	Preparation of dual layers N-doped Carbon@Mesoporous Carbon@Fe ₃ O ₄ nanoparticle superlattice and its application in lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 776-783	5.7	26
49	Ionic liquid assist to prepare Si@N-doped carbon nanoparticles and its high performance in lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 691, 178-184	5.7	23
48	Hydrothermal Conversion of Solid Silica Beads to Hollow Silicalite-1 Sphere. <i>Chemistry Letters</i> , 2003 , 32, 790-791	1.7	23
47	Molecular Ligand-Mediated Assembly of Multicomponent Nanosheet Superlattices for Compact Capacitive Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20628-20635	16.4	23
46	Carbon-coated MnFe ₂ O ₄ nanoparticle hollow microspheres as high-performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 246, 43-50	6.7	22
45	Designed synthesis of ordered mesoporous graphene spheres from colloidal nanocrystals and their application as a platform for high-performance lithium-ion battery composite electrodes. <i>Nano Research</i> , 2016 , 9, 3757-3771	10	22
44	Ternary Alloyed Zn _{1-x} Te _{1-y} Nanowires: Solution-Phase Synthesis and Band Gap Bowing. <i>Chemistry of Materials</i> , 2015 , 27, 1140-1146	9.6	22
43	Stable lithium-sulfur full cells enabled by dual functional and interconnected mesocarbon arrays. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3289-3297	13	20
42	A Multi-Scale Structural Engineering Strategy for High-Performance MXene Hydrogel Supercapacitor Electrode. <i>Advanced Science</i> , 2021 , 8, e2101664	13.6	20
41	Free-Standing, Ordered Mesoporous Few-Layer Graphene Framework Films Derived from Nanocrystal Superlattices Self-Assembled at the Solid-Liquid-Air Interface. <i>Chemistry of Materials</i> , 2016 , 28, 3823-3830	9.6	18
40	Thermal and pH Dual Responsive Copolymer and Silver Nanoparticle Composite for Catalytic Application. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 467-472	4.9	17
39	Shape-controlled synthesis of Sn ₂ S ₃ nanocrystals and their lithium storage properties. <i>CrystEngComm</i> , 2016 , 18, 250-256	3.3	16
38	Stabilization of Battery Electrode/Electrolyte Interfaces Employing Nanocrystals with Passivating Epitaxial Shells. <i>Chemistry of Materials</i> , 2015 , 27, 394-399	9.6	16
37	Mesoporous Zirconium Phosphate-phenylphosphonate and Its Functionalization. <i>Chemistry Letters</i> , 2002 , 31, 1036-1037	1.7	14

36	Ultralow platinum loading proton exchange membrane fuel cells: Performance losses and solutions. <i>Journal of Power Sources</i> , 2021 , 490, 229515	8.9	14
35	Exploiting oleic acid to prepare two-dimensional assembly of Si@graphitic carbon yolk-shell nanoparticles for lithium-ion battery anodes. <i>Nano Research</i> , 2019 , 12, 631-636	10	14
34	High performance lithium-sulfur batteries by facilely coating a conductive carbon nanotube or graphene layer. <i>Chinese Chemical Letters</i> , 2018 , 29, 1777-1780	8.1	14
33	Fe, N, S-codoped carbon frameworks derived from nanocrystal superlattices towards enhanced oxygen reduction activity. <i>Nano Convergence</i> , 2019 , 6, 4	9.2	13
32	In situ confined-synthesis of mesoporous FeS@C superparticles and their enhanced sodium-ion storage properties. <i>Chemical Communications</i> , 2019 , 55, 1229-1232	5.8	12
31	Facile electrostatic assembly of Si@MXene superstructures for enhanced lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 68-76	9.3	12
30	Cluster-mediated assembly enables step-growth copolymerization from binary nanoparticle mixtures with rationally designed architectures. <i>Chemical Science</i> , 2018 , 9, 3986-3991	9.4	11
29	A molecular-based approach for the direct synthesis of highly-ordered, homogeneously-doped mesoporous carbon frameworks. <i>Carbon</i> , 2018 , 140, 265-275	10.4	11
28	Nanocrystal Superlattice Embedded within an Inorganic Semiconducting Matrix by in Situ Ligand Exchange: Fabrication and Morphology. <i>Chemistry of Materials</i> , 2015 , 27, 2755-2758	9.6	8
27	Self-assembled Fe ₃ O ₄ nanoparticle-doped TiO ₂ nanorod superparticles with highly enhanced lithium storage properties. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 616-625	5.8	8
26	Hierarchically Porous Silica Membrane as Separator for High-Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021 , e2107957	24	8
25	Size-dependent ligand exchange of colloidal CdSe nanocrystals with S ²⁻ ions. <i>RSC Advances</i> , 2015 , 5, 90570-90577	3.7	6
24	Fabrication of Hierarchical Structured Zeolitic Materials through Vapor-phase Transforming of the Seeded Diatomite. <i>Chemistry Letters</i> , 2002 , 31, 862-863	1.7	6
23	Direct Probing of the Oxygen Evolution Reaction at Single NiFeO Nanocrystal Superparticles with Tunable Structures. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16925-16929	16.4	6
22	Molecular Ligand-Mediated Assembly of Multicomponent Nanosheet Superlattices for Compact Capacitive Energy Storage. <i>Angewandte Chemie</i> , 2020 , 132, 20809-20816	3.6	5
21	Exfoliation of large-flake, few-layer MoS nanosheets mediated by carbon nanotubes. <i>Chemical Communications</i> , 2021 , 57, 4400-4403	5.8	5
20	Native ligand carbonization renders common platinum nanoparticles highly durable for electrocatalytic oxygen reduction: annealing temperature matters.. <i>Advanced Materials</i> , 2022 , e2202743 ²⁴		5
19	Modular super-assembly of hierarchical superstructures from monomicelle building blocks.. <i>Science Advances</i> , 2022 , 8, eabo0283	14.3	5

18	Fine-Tuning the Wall Thickness of Ordered Mesoporous Graphene by Exploiting Ligand Exchange of Colloidal Nanocrystals. <i>Frontiers in Chemistry</i> , 2017 , 5, 117	5	4
17	Two-dimensional FeP Nanoframe Superlattices via Space-Confined Topochemical Transformation.. <i>Advanced Materials</i> , 2022 , e2109145	24	4
16	All-Graphitic Multilaminate Mesoporous Membranes by Interlayer-Confined Molecular Assembly. <i>Small</i> , 2021 , 17, e2101173	11	4
15	Phase-transfer-assisted confined growth of mesoporous MoS ₂ @graphene van der Waals supraparticles for unprecedented ultrahigh-rate sodium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10714-10721	13	4
14	Doped nanocrystal superlattices. <i>Science Bulletin</i> , 2015 , 60, 1964-1965	10.6	3
13	Multi-chambered, carbon-coated Ni _{0.4} Fe _{2.6} O ₄ nanoparticle superlattice microspheres for boosting water oxidation reaction. <i>Aggregate</i> , 2021 , 2, e17	22.9	3
12	Gelation-Assisted Assembly of Large-Area, Highly Aligned, and Environmentally Stable MXene Films with an Excellent Trade-Off between Mechanical and Electrical Properties.. <i>Small</i> , 2022 , e2200829	11	3
11	A novel strategy for boosting the photoluminescence quantum efficiency of CdSe nanocrystals at room temperature. <i>Chinese Chemical Letters</i> , 2020 , 31, 295-298	8.1	2
10	Epitaxial-assembled monolayer superlattices for efficient micromotor propulsion. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 274004	3	1
9	Modulation of Carrier Type in Nanocrystal-in-Matrix Composites by Interfacial Doping. <i>Chemistry of Materials</i> , 2018 , 30, 2544-2549	9.6	1
8	Circular assembly of colloidal nanoparticles at the liquid-air interface mediated by block copolymers. <i>Nanoscale</i> , 2018 , 10, 11196-11204	7.7	1
7	Confinement Assembly in Polymeric Micelles Enables Nanoparticle Superstructures with Tunable Molecular-Like Geometries.. <i>Small Methods</i> , 2022 , e2200014	12.8	1
6	Generalized assembly of sandwich-like 0D/2D/0D heterostructures with highly exposed surfaces toward superior electrochemical performances. <i>Nano Research</i> , 2022 , 15, 255	10	1
5	Hard-templated engineering of versatile 2D amorphous metal oxide nanosheets.. <i>Nanotechnology</i> , 2022 ,	3.4	1
4	Self-assembled mesostructured CoFeO nanoparticle superstructures for highly efficient oxygen evolution. <i>Journal of Colloid and Interface Science</i> , 2021 , 593, 125-132	9.3	0
3	A universal, green, and self-reliant electrolytic approach to high-entropy layered (oxy)hydroxide nanosheets for efficient electrocatalytic water oxidation.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 500-510	9.3	0
2	Gelation-Assisted Assembly of Large-Area, Highly Aligned, and Environmentally Stable MXene Films with an Excellent Trade-Off between Mechanical and Electrical Properties (Small 21/2022). <i>Small</i> , 2022 , 18, 2270107	11	0
1	Rücktitelbild: Highly Ordered Mesoporous Few-Layer Graphene Frameworks Enabled by Fe ₃ O ₄ Nanocrystal Superlattices (Angew. Chem. 19/2015). <i>Angewandte Chemie</i> , 2015 , 127, 5888-5888	3.6	

