

Shaochun Tang

List of Publications by Year in descending order

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49
papers

2,263
citations

257101

24
h-index

243296

44
g-index

49
all docs

49
docs citations

49
times ranked

3427
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable High-Performance Supercapacitors Based on Silver-Sputtered Textiles with FeCo ₂ S ₄ -NiCo ₂ S ₄ Composite Nanotube-Built Multitripod Architectures as Advanced Flexible Electrodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601234.	10.2	293
2	General Controlled Sulfidation toward Achieving Novel Nanosheet-Built Porous Square-FeCo ₂ S ₄ -Tube Arrays for High-Performance Asymmetric All-Solid-State Pseudocapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1601985.	10.2	226
3	Controllable incorporation of Ag and Ag-Au nanoparticles in carbon spheres for tunable optical and catalytic properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 5436.	6.7	169
4	Hierarchical Multicomponent Electrode with Interlaced Ni(OH) ₂ Nanoflakes Wrapped Zinc Cobalt Sulfide Nanotube Arrays for Sustainable High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1701228.	10.2	162
5	Rich-Mixed-Valence Ni _x Co _{3x} P _y Porous Nanowires Interwelded Junction-Free 3D Network Architectures for Ultrahigh Areal Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1804620.	7.8	122
6	Hierarchically porous hexagonal microsheets constructed by well-interwoven MCo ₂ S ₄ (M = Ni, Fe,) Tj ETQqO O 0 rgBT /Overlock 10 Tf 50 supercapacitors. <i>Nano Energy</i> , 2018, 45, 439-447.	8.2	112
7	Hierarchically MnO ₂ -Nanosheet Covered Submicrometer-FeCo ₂ O ₄ -Tube Forest as Binder-Free Electrodes for High Energy Density All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4762-4770.	4.0	104
8	Hierarchically Porous MnO ₂ Microspheres Doped with Homogeneously Distributed Fe ₃ O ₄ Nanoparticles for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17637-17646.	4.0	89
9	High-Performance Flexible Solid-State Carbon Cloth Supercapacitors Based on Highly Processible N-Graphene Doped Polyacrylic Acid/Polyaniline Composites. <i>Scientific Reports</i> , 2016, 6, 12883.	1.6	81
10	Super-hydrophobic multilayer coatings with layer number tuned swapping in surface wettability and redox catalytic anti-corrosion application. <i>Scientific Reports</i> , 2017, 7, 4403.	1.6	72
11	Versatile synthesis of high surface area multi-metallic nanosponges allowing control over nanostructure and alloying for catalysis and SERS detection. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3648-3660.	5.2	70
12	A high energy density asymmetric all-solid-state supercapacitor based on cobalt carbonate hydroxide nanowire covered N-doped graphene and porous graphene electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18505-18513.	5.2	68
13	Vertically Aligned and Ordered Arrays of 2D MCo ₂ S ₄ @Metal with Ultrafast Ion/Electron Transport for Thickness-Independent Pseudocapacitive Energy Storage. <i>ACS Nano</i> , 2020, 14, 12719-12731.	7.3	52
14	Energy-efficient smart window based on a thermochromic microgel with ultrahigh visible transparency and infrared transmittance modulation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17481-17491.	5.2	49
15	Highly catalytic spherical carbon nanocomposites allowing tunable activity via controllable Au-Pd doping. <i>Journal of Colloid and Interface Science</i> , 2012, 375, 125-133.	5.0	38
16	Monolayer standing MnO ₂ -Nanosheet covered Mn ₃ O ₄ octahedrons anchored in 3D N-Doped graphene networks as supercapacitor electrodes with remarkable cycling stability. <i>Journal of Power Sources</i> , 2018, 396, 483-490.	4.0	38
17	Effects of hydrothermal temperature on formation and decoloration characteristics of anatase TiO ₂ nanoparticles. <i>Science China Technological Sciences</i> , 2012, 55, 894-902.	2.0	37
18	Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates. <i>ChemSusChem</i> , 2017, 10, 2301-2308.	3.6	37

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19	A lotus-inspired 3D biomimetic design toward an advanced solar steam evaporator with ultrahigh efficiency and remarkable stability. <i>Materials Horizons</i> , 2022, 9, 1232-1242.	6.4	36
20	Hexagonal prism arrays constructed using ultrathin porous nanoflakes of carbon doped mixed-valence Co ²⁺ /Mn ²⁺ /Fe phosphides for ultrahigh areal capacitance and remarkable cycling stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4431-4437.	5.2	34
21	Facile and rapid synthesis of spherical porous palladium nanostructures with high catalytic activity for formic acid electro-oxidation. <i>Nanotechnology</i> , 2012, 23, 255606.	1.3	32
22	Iron oxides nanobelt arrays rooted in nanoporous surface of carbon tube textile as stretchable and robust electrodes for flexible supercapacitors with ultrahigh areal energy density and remarkable cycling-stability. <i>Scientific Reports</i> , 2020, 10, 11023.	1.6	32
23	Asymmetric hybrid capacitors based on novel bearded carbon fiber cloth ^{2D} pinhole polyaniline electrodes with excellent energy density. <i>RSC Advances</i> , 2016, 6, 82995-83002.	1.7	27
24	3D nitrogen-doped graphene/Co(OH) ₂ -nanoplate composites for high-performance electrochemical pseudocapacitors. <i>RSC Advances</i> , 2014, 4, 61753-61758.	1.7	26
25	Facile and rapid synthesis of nickel nanowires and their magnetic properties. <i>Journal of Nanoparticle Research</i> , 2011, 13, 7085-7094.	0.8	24
26	Ultrastrong and Stiff Carbon Nanotube/Aluminum ^{2D} Copper Nanocomposite via Enhancing Friction between Carbon Nanotubes. <i>Nano Letters</i> , 2019, 19, 6255-6262.	4.5	22
27	The synthesis of graphene oxide nanostructures for supercapacitors: a simple route. <i>Journal of Materials Science</i> , 2014, 49, 2802-2809.	1.7	21
28	High-intensity compact ultrasound assisted synthesis of porous N-doped graphene thin microsheets with well-dispersed near-spherical Ni ₂ P nanoflowers for energy storage. <i>Chemical Engineering Journal</i> , 2019, 361, 387-397.	6.6	21
29	Scalable Synthesis of Ag Networks with Optimized Sub-monolayer Au-Pd Nanoparticle Covering for Highly Enhanced SERS Detection and Catalysis. <i>Scientific Reports</i> , 2016, 6, 37092.	1.6	19
30	Diameter-controlled synthesis of polycrystalline nickel nanowires and their size dependent magnetic properties. <i>CrystEngComm</i> , 2012, 14, 7209.	1.3	18
31	Large-scale fabrication of porous bulk silver thin sheets with tunable porosity for high-performance binder-free supercapacitor electrodes. <i>RSC Advances</i> , 2015, 5, 45194-45200.	1.7	18
32	Order-disorder transition and Curie transition in Ni ₇₀ Fe ₃₀ nanoalloy. <i>Applied Physics Letters</i> , 2009, 94, 213112.	1.5	16
33	Scalable Carbon Black Enhanced Nanofiber Network Films for High ^{2D} Efficiency Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101160.	1.9	14
34	MnO ₂ ^{2D} Au Composite Electrodes for Supercapacitors. <i>Chemistry Letters</i> , 2014, 43, 122-124.	0.7	13
35	Co dendrite based bimetallic structures with nanoflake-built Pt covers and strong catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 217-224.	5.0	12
36	Highly processible and electrochemically active graphene-doped polyacrylic acid/polyaniline allowing the preparation of defect-free thin films for solid-state supercapacitors. <i>RSC Advances</i> , 2015, 5, 62670-62677.	1.7	9

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37	Bubble-assisted growth of hollow palladium nanospheres with structure control allowing very thin shells for highly enhanced catalysis. <i>RSC Advances</i> , 2014, 4, 13729-13732.	1.7	8
38	Achieving Rich Mixed-Valence Polysulfide/Carbon Nanotube Films toward Ultrahigh Volume Energy Density and Largely Deformable Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25271-25282.	4.0	7
39	Three-Dimensional Porous Network Electrodes with $\text{Cu}(\text{OH})_2$ Nanosheet/ Ni_3S_2 Nanowire 2D/1D Heterostructures for Remarkably Cycle-Stable Supercapacitors. <i>ACS Omega</i> , 2021, 6, 34276-34285.	1.6	7
40	Microwave selective heating ultrafast construction of coral-like TiO_2 -MXene/graphene hybrid architectures for high-performance lithium-ion battery. <i>Journal of Power Sources</i> , 2022, 542, 231738.	4.0	7
41	Layered spherical carbon composites with nanoparticles of different metals grown simultaneously inside and outside. <i>Nanotechnology</i> , 2012, 23, 095603.	1.3	6
42	Porous NiCo_2O_4 FeCo_2O_4 Nanowire Arrays as Advanced Electrodes for High-Performance Flexible Asymmetric Supercapacitors. <i>Energy & Fuels</i> , 2021, 35, 12680-12687.	2.5	6
43	Optimized spherical manganese oxide-ferroferric oxide-tin oxide ternary composites as advanced electrode materials for supercapacitors. <i>Nanotechnology</i> , 2015, 26, 374001.	1.3	5
44	Controllable synthesis of metal particles by a direct current electrochemical approach. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2709-2714.	0.9	2
45	Quadrangular Prism Porous Shells Constructed by Parallely Interconnected and Lattice-Strained NiCoP Nanoflakes for Maximized Energy Storage. <i>Advanced Materials Interfaces</i> , 0, , 2200590.	1.9	2
46	Reply to Comment on "Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates". <i>ChemSusChem</i> , 2017, 10, 2312-2315.	3.6	0
47	Supercapacitors: General Controlled Sulfidation toward Achieving Novel Nanosheet-Built Porous Square-Fe Co_2S_4 Tube Arrays for High-Performance Asymmetric All-Solid-State Pseudocapacitors (Adv. Energy Mater. 6/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	0
48	Two-Stage Tunneling-Dominated Electrodeposition for Large-Scale Production of Ultralong Wavy Metal Microstructures on Native Oxide Layer-Passivated Si Electrode with Specific Surface Configuration. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16326-16331.	1.5	0
49	High rate capabilities and remarkably cycle-stable flexible pseudocapacitors based on nano-coralloid arrays with sulfide vacancies enhanced $\text{Ni}^{\sim}\text{Co}^{\sim}\text{S}$ nanoparticle covering. <i>Nanotechnology</i> , 2021, 32, 275403.	1.3	0