Jyongsik Jang

List of Publications by Citations

287 papers	14,464 citations	66 h-index	103 g-index
289 ext. papers	15,715 ext. citations	7.9 avg, IF	7.07 L-index

#	Paper	IF	Citations
287	Antibacterial properties of novel poly(methyl methacrylate) nanofiber containing silver nanoparticles. *Langmuir*, **2008**, 24, 2051-6	4	427
286	Conducting Polymer Nanomaterials and Their Applications. *Advances in Polymer Science*, **2006**, 189-260	1.3	342
285	Fabrication of Highly Flexible, Scalable, and High-Performance Supercapacitors Using Polyaniline/Reduced Graphene Oxide Film with Enhanced Electrical Conductivity and Crystallinity. *Advanced Functional Materials*, **2014**, 24, 2489-2499	15.6	320
284	Ultrasensitive flexible graphene based field-effect transistor (FET)-type bioelectronic nose. *Nano Letters*, **2012**, 12, 5082-90	11.5	274
283	Conducting-Polymer Nanomaterials for High-Performance Sensor Applications: Issues and Challenges. *Advanced Functional Materials*, **2009**, 19, 1567-1576	15.6	269
282	Selective growth of layered perovskites for stable and efficient photovoltaics. *Energy and Environmental Science*, **2018**, 11, 952-959	35.4	233
281	Micropatterning of graphene sheets by inkjet printing and its wideband dipole-antenna application. *Advanced Materials*, **2011**, 23, 2113-8	24	209
280	Flexible FET-type VEGF aptasensor based on nitrogen-doped graphene converted from conducting polymer. *ACS Nano*, **2012**, 6, 1486-93	16.7	206
279	Multidimensional conducting polymer nanotubes for ultrasensitive chemical nerve agent sensing. *Nano Letters*, **2012**, 12, 2797-802	11.5	198
278	Polypyrrole nanotubes conjugated with human olfactory receptors: high-performance transducers for FET-type bioelectronic noses. *Angewandte Chemie - International Edition*, **2009**, 48, 2755-8	16.4	185
277	High performance asymmetric supercapacitor twisted from carbon fiber/MnO2 and carbon fiber/MoO3. *Carbon*, **2017**, 116, 470-478	10.4	181
276	Fabrication and characterization of polyaniline coated carbon nanofiber for supercapacitor. *Carbon*, **2005**, 43, 2730-2736	10.4	178
275	Kinetic study of the formation of polypyrrole nanoparticles in water-soluble polymer/metal cation systems: a light-scattering analysis. *Small*, **2010**, 6, 679-86	11	172
274	Facile fabrication of polypyrrole nanotubes using reverse microemulsion polymerization. *Chemical Communications*, **2003**, 720-1	5.8	166
273	Sulfur-Embedded Activated Multichannel Carbon Nanofiber Composites for Long-Life, High-Rate Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2017**, 7, 1601943	21.8	165
272	High-performance flexible graphene aptasensor for mercury detection in mussels. *ACS Nano*, **2013**, 7, 10563-71	16.7	160
271	Photocatalytic antibacterial capabilities of TiO(2)-biocidal polymer nanocomposites synthesized by a surface-initiated photopolymerization. *Environmental Science & Technology*, **2010**, 44, 5672-6	10.3	160

270	The effect of surface treatment on the performance improvement of carbon fiber/polybenzoxazine composites. *Journal of Materials Science*, **2000**, 35, 2297-2303	4.3	160
269	Fabrication of ultrafine conducting polymer and graphite nanoparticles. *Angewandte Chemie - International Edition*, **2002**, 41, 4016-9	16.4	159
268	Formation mechanism of conducting polypyrrole nanotubes in reverse micelle systems. *Langmuir*, **2005**, 21, 11484-9	4	156
267	Thickness Dependence of the Glass Transition Temperature in Thin Polymer Films. *Langmuir*, **2001**, 17, 2703-2710	4	151
266	Estimation of the Thickness Dependence of the Glass Transition Temperature in Various Thin Polymer Films. *Langmuir*, **2000**, 16, 4064-4067	4	142
265	Sensing behaviors of polypyrrole nanotubes prepared in reverse microemulsions: effects of transducer size and transduction mechanism. *Journal of Physical Chemistry B*, **2006**, 110, 14074-7	3.4	136
264	Highly sensitive, wearable and wireless pressure sensor using free-standing ZnO nanoneedle/PVDF hybrid thin film for heart rate monitoring. *Nano Energy*, **2016**, 22, 95-104	17.1	131
263	Synthesis and characterization of monodisperse silica-polyaniline core-shell nanoparticles. *Chemical Communications*, **2006**, 1622-4	5.8	127
262	Highly porous carbon nanofibers co-doped with fluorine and nitrogen for outstanding supercapacitor performance. *Journal of Materials Chemistry A*, **2017**, 5, 17379-17387	13	124
261	Fabrication of Hollow Polystyrene Nanospheres in Microemulsion Polymerization Using Triblock Copolymers. *Langmuir*, **2002**, 18, 5613-5618	4	123
260	Highly sensitive and multifunctional tactile sensor using free-standing ZnO/PVDF thin film with graphene electrodes for pressure and temperature monitoring. *Scientific Reports*, **2015**, 5, 7887	4.9	122
259	Screen-Printable and Flexible RuO2 Nanoparticle-Decorated PEDOT:PSS/Graphene Nanocomposite with Enhanced Electrical and Electrochemical Performances for High-Capacity Supercapacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 10213-27	9.5	122
258	A high-performance VEGF aptamer functionalized polypyrrole nanotube biosensor. *Biomaterials*, **2010**, 31, 4740-7	15.6	121
257	Synthesis and antimicrobial properties of novel silver/polyrhodanine nanofibers. *Biomacromolecules*, **2008**, 9, 2677-81	6.9	115
256	Multi-Shell Porous TiO2 Hollow Nanoparticles for Enhanced Light Harvesting in Dye-sensitized Solar Cells. *Advanced Functional Materials*, **2014**, 24, 7619-7626	15.6	108
255	Fabrication of a novel polypyrrole/poly(methyl methacrylate) coaxial nanocable using mesoporous silica as a nanoreactor. *Chemical Communications*, **2001**, 83-84	5.8	106
254	Multigram-scale fabrication of monodisperse conducting polymer and magnetic carbon nanoparticles. *Small*, **2005**, 1, 1195-9	11	103
253	Polypyrrole-coated manganese dioxide with multiscale architectures for ultrahigh capacity energy storage. *Energy and Environmental Science*, **2015**, 8, 3030-3039	35.4	102

252	A study on the effect of surface treatment of carbon nanotubes for liquid crystalline epoxide□arbon nanotube composites. *Journal of Materials Chemistry*, **2003**, 13, 676-681		102
251	Conducting Nanomaterial Sensor Using Natural Receptors. *Chemical Reviews*, **2019**, 119, 36-93	68.1	100
250	Mimicking the human smell sensing mechanism with an artificial nose platform. *Biomaterials*, **2012**, 33, 1722-9	15.6	98
249	An Ultrasensitive, Selective, Multiplexed Superbioelectronic Nose That Mimics the Human Sense of Smell. *Nano Letters*, **2015**, 15, 6559-67	11.5	97
248	Conducting Polymer Nanomaterials for Biomedical Applications: Cellular Interfacing and Biosensing. *Polymer Reviews*, **2013**, 53, 407-442	14	94
247	Studies of crosslinked styrene□lkyl acrylate copolymers for oil absorbency application. I. Synthesis and characterization. *Journal of Applied Polymer Science*, **2000**, 77, 903-913	2.9	93
246	Human taste receptor-functionalized field effect transistor as a human-like nanobioelectronic tongue. *Nano Letters*, **2013**, 13, 172-8	11.5	91
245	A facile synthesis of polypyrrole nanotubes using a template-mediated vapor deposition polymerization and the conversion to carbon nanotubes. *Chemical Communications*, **2004**, 882-3	5.8	88
244	Facile fabrication of hollow polystyrene nanocapsules by microemulsion polymerization. *Chemical Communications*, **2002**, 1098-9	5.8	88
243	Large-scale graphene micropattern nano-biohybrids: high-performance transducers for FET-type flexible fluidic HIV immunoassays. *Advanced Materials*, **2013**, 25, 4177-85	24	85
242	Wireless Hydrogen Smart Sensor Based on Pt/Graphene-Immobilized Radio-Frequency Identification Tag. *ACS Nano*, **2015**, 9, 7783-90	16.7	83
241	Hexagonal □NaYF4:Yb(3+), Er(3+) Nanoprism-Incorporated Upconverting Layer in Perovskite Solar Cells for Near-Infrared Sunlight Harvesting. *ACS Applied Materials & Interfaces*, **2016**, 8, 19847-52	9.5	82
240	Fabrication of water-dispersible and highly conductive PSS-doped PANI/graphene nanocomposites using a high-molecular weight PSS dopant and their application in H2S detection. *Nanoscale*, **2014**, 6, 15181-95	7.7	81
239	Facile fabrication of inorganic-polymer core-shell nanostructures by a one-step vapor deposition polymerization. *Angewandte Chemie - International Edition*, **2003**, 42, 5600-3	16.4	81
238	Antimicrobial polymer nanostructures: synthetic route, mechanism of action and perspective. *Advances in Colloid and Interface Science*, **2014**, 203, 37-50	14.3	80
237	One-pot synthesis of silver nanoparticles decorated poly(3,4-ethylenedioxythiophene) nanotubes for chemical sensor application. *Journal of Materials Chemistry*, **2012**, 22, 1521-1526		80
236	Polyaniline porous counter-electrodes for high performance dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 12164		78
235	Field-effect-transistor sensor based on enzyme-functionalized polypyrrole nanotubes for glucose detection. *Journal of Physical Chemistry B*, **2008**, 112, 9992-7	3.4	77

234	Studies of crosslinked styrene–alkyl acrylate copolymers for oil absorbency application. II. Effects of polymerization conditions on oil absorbency. *Journal of Applied Polymer Science*, **2000**, 77, 914-920	2.9	76
233	Polypropylene/Polyaniline Nanofiber/Reduced Graphene Oxide Nanocomposite with Enhanced Electrical, Dielectric, and Ferroelectric Properties for a High Energy Density Capacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 22301-14	9.5	75
232	Polypyrrole nanotube embedded reduced graphene oxide transducer for field-effect transistor-type H2O2 biosensor. *Analytical Chemistry*, **2014**, 86, 1822-8	7.8	74
231	Fabrication of amorphous carbon-coated NiO nanofibers for electrochemical capacitor applications. *Journal of Materials Chemistry A*, **2014**, 2, 3364-3371	13	73
230	Paintable Carbon-Based Perovskite Solar Cells with Engineered Perovskite/Carbon Interface Using Carbon Nanotubes Dripping Method. *Small*, **2017**, 13, 1701225	11	73
229	Resistive Gas Sensors Based on Precisely Size-Controlled Polypyrrole Nanoparticles: Effects of Particle Size and Deposition Method. *Journal of Physical Chemistry C*, **2010**, 114, 18874-18879	3.8	72
228	Highly sensitive and selective chemiresistive sensors based on multidimensional polypyrrole nanotubes. *Chemical Communications*, **2012**, 48, 10526-8	5.8	71
227	Enhanced Electroresponsive Performance of Double-Shell SiO2/TiO2 Hollow Nanoparticles. *ACS Nano*, **2015**, 9, 4939-49	16.7	70
226	Charge-transport behavior in shape-controlled poly(3,4-ethylenedioxythiophene) nanomaterials: intrinsic and extrinsic factors. *Small*, **2007**, 3, 1774-83	11	69
225	Size-controlled SiO2 nanoparticles as scaffold layers in thin-film perovskite solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 16429-16433	13	67
224	Micropatterning of graphene sheets: recent advances in techniques and applications. *Journal of Materials Chemistry*, **2012**, 22, 8179		67
223	Novel crystalline supramolecular assemblies of amorphous polypyrrole nanoparticles through surfactant templating. *Chemical Communications*, **2002**, 2200-1	5.8	67
222	Fabrication of monodisperse silica-polymer core-shell nanoparticles with excellent antimicrobial efficacy. *Chemical Communications*, **2008**, 4016-8	5.8	66
221	Poly(vinylidene fluoride)/NH2-Treated Graphene Nanodot/Reduced Graphene Oxide Nanocomposites with Enhanced Dielectric Performance for Ultrahigh Energy Density Capacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 9668-81	9.5	65
220	Flower-like Palladium Nanoclusters Decorated Graphene Electrodes for Ultrasensitive and Flexible Hydrogen Gas Sensing. *Scientific Reports*, **2015**, 5, 12294	4.9	65
219	Conducting polymer-based nanohybrid transducers: a potential route to high sensitivity and selectivity sensors. *Sensors*, **2014**, 14, 3604-30	3.8	65
218	Sulfur-Immobilized, Activated Porous Carbon Nanotube Composite Based Cathodes for Lithium-Sulfur Batteries. *Small*, **2017**, 13, 1602984	11	64
217	Magnetically recyclable core–shell nanocatalysts for efficient heterogeneous oxidation of alcohols. *Journal of Materials Chemistry A*, **2014**, 2, 7593-7599	13	64

216	Fabrication of polyaniline nanoparticles using microemulsion polymerization. *Macromolecular Research*, **2007**, 15, 154-159	1.9	64
215	Fabrication of polymer nanofibers and carbon nanofibers by using a salt-assisted microemulsion polymerization. *Angewandte Chemie - International Edition*, **2004**, 43, 3803-6	16.4	64
214	Facile fabrication of polymer and carbon nanocapsules using polypyrrole core/shell nanomaterials. *Chemical Communications*, **2004**, 794-5	5.8	64
213	Fabrication of mesoporous polymer using soft template method. *Chemical Communications*, **2005**, 1200-2	5.8	63
212	Enhanced antibacterial performance of cationic polymer modified silica nanoparticles. *Chemical Communications*, **2009**, 5418-20	5.8	62
211	Formation and structure of polyacrylamide–silica nanocomposites by sol–gel process. *Journal of Applied Polymer Science*, **2002**, 83, 1817-1823	2.9	62
210	WO3 nanonodule-decorated hybrid carbon nanofibers for NO2 gas sensor application. *Journal of Materials Chemistry A*, **2013**, 1, 9099	13	61
209	Fabrication of a polyaniline/MoS2 nanocomposite using self-stabilized dispersion polymerization for supercapacitors with high energy density. *RSC Advances*, **2016**, 6, 27460-27465	3.7	60
208	Large Grain-Based Hole-Blocking Layer-Free Planar-Type Perovskite Solar Cell with Best Efficiency of 18.20. *ACS Applied Materials & Interfaces*, **2017**, 9, 8113-8120	9.5	59
207	Highly stable, concentrated dispersions of graphene oxide sheets and their electro-responsive characteristics. *Soft Matter*, **2012**, 8, 7348	3.6	59
206	Superfast Room-Temperature Activation of SnO Thin Films via Atmospheric Plasma Oxidation and their Application in Planar Perovskite Photovoltaics. *Advanced Materials*, **2018**, 30, 1704825	24	58
205	Geometrical study of electrorheological activity with shape-controlled titania-coated silica nanomaterials. *Journal of Colloid and Interface Science*, **2010**, 347, 177-82	9.3	56
204	Human Dopamine Receptor-Conjugated Multidimensional Conducting Polymer Nanofiber Membrane for Dopamine Detection. *ACS Applied Materials & Interfaces*, **2016**, 8, 28897-28903	9.5	56
203	Duplex Bioelectronic Tongue for Sensing Umami and Sweet Tastes Based on Human Taste Receptor Nanovesicles. *ACS Nano*, **2016**, 10, 7287-96	16.7	54
202	Electro-responsive and dielectric characteristics of graphene sheets decorated with TiO2 nanorods. *Journal of Materials Chemistry A*, **2013**, 1, 117-121	13	54
201	A comparative study on electrorheological properties of various silica–conducting polymer core–shell nanospheres. *Soft Matter*, **2010**, 6, 4669	3.6	54
200	Ultrasensitive Bisphenol A Field-Effect Transistor Sensor Using an Aptamer-Modified Multichannel Carbon Nanofiber Transducer. *ACS Applied Materials & Interfaces*, **2016**, 8, 6602-10	9.5	53
199	Fabrication of silica/polythiophene core/shell nanospheres and their electrorheological fluid application. *Soft Matter*, **2009**, 5, 951	3.6	51

198	Size effects of a graphene quantum dot modified-blocking TiO2 layer for efficient planar perovskite solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 16834-16842	13	50
197	Versatile strategies for fabricating polymer nanomaterials with controlled size and morphology. *Macromolecular Research*, **2008**, 16, 85-102	1.9	50
196	High-performance field-effect transistor-type glucose biosensor based on nanohybrids of carboxylated polypyrrole nanotube wrapped graphene sheet transducer. *Sensors and Actuators B: Chemical*, **2015**, 208, 532-537	8.5	49
195	Evaluation of anti-scratch properties of graphene oxide/polypropylene nanocomposites. *Journal of Materials Chemistry*, **2012**, 22, 7871		49
194	The effect of graphene nanofiller on the crystallization behavior and mechanical properties of poly(vinyl alcohol). *Polymer International*, **2013**, 62, 901-908	3.3	49
193	A highly stable and efficient carbon electrode-based perovskite solar cell achieved via interfacial growth of 2D PEA2PbI4 perovskite. *Journal of Materials Chemistry A*, **2018**, 6, 24560-24568	13	49
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191	Improved electrochemical performances of MOF-derived NiCo layered double hydroxide complexes using distinctive hollow-in-hollow structures. *Journal of Materials Chemistry A*, **2019**, 7, 17637-17647	13	47
190	Facile synthesis of SnO2 nanofibers decorated with N-doped ZnO nanonodules for visible light photocatalysts using single-nozzle co-electrospinning. *Journal of Materials Chemistry*, **2012**, 22, 14565		47
189	Ultrasensitive and selective recognition of peptide hormone using close-packed arrays of hPTHR-conjugated polymer nanoparticles. *ACS Nano*, **2012**, 6, 5549-58	16.7	47
188	Highly ordered, polypyrrole-coated Co(OH)2 architectures for high-performance asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 6603-6609	13	46
187	Urchin-like polypyrrole nanoparticles for highly sensitive and selective chemiresistive sensor application. *Nanoscale*, **2014**, 6, 4188-94	7.7	46
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185	Enhanced Crystallinity, Dielectric, and Energy Harvesting Performances of Surface-Treated Barium Titanate Hollow Nanospheres/PVDF Nanocomposites. *Advanced Materials Interfaces*, **2015**, 2, 1500098	4.6	46
184	High electrothermal performance of expanded graphite nanoplatelet-based patch heater. *Journal of Materials Chemistry*, **2012**, 22, 23404		46
183	Controlled amine functionalization on conducting polypyrrole nanotubes as effective transducers for volatile acetic acid. *Biomacromolecules*, **2007**, 8, 182-7	6.9	46
182	Highly porous nanostructured polyaniline/carbon nanodots as efficient counter electrodes for Pt-free dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 19018-19026	13	44
181	Multidimensional MnO2 nanohair-decorated hybrid multichannel carbon nanofiber as an electrode material for high-performance supercapacitors. *Nanoscale*, **2015**, 7, 16026-33	7.7	44

180	Hierarchical core/shell Janus-type ⊞Fe2O3/PEDOT nanoparticles for high performance flexible energy storage devices. *Journal of Materials Chemistry A*, **2016**, 4, 8263-8271	13	44
179	Ultrasensitive and Selective Organic FET-type Nonenzymatic Dopamine Sensor Based on Platinum Nanoparticles-Decorated Reduced Graphene Oxide. *ACS Applied Materials & Interfaces*, **2017**, 9, 39526-39533	9.5	42
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177	A novel synthesis of nanocapsules using identical polymer core/shell nanospheres. *Journal of Materials Chemistry*, **2004**, 14, 2872		42
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174	Fabrication of CdS/PMMA core/shell nanoparticles by dispersion mediated interfacial polymerization. *Chemical Communications*, **2007**, 2689-91	5.8	41
173	Impact behavior of aramid fiber/glass fiber hybrid composites: The effect of stacking sequence. *Polymer Composites*, **2001**, 22, 80-89	3	41
172	Human dopamine receptor nanovesicles for gate-potential modulators in high-performance field-effect transistor biosensors. *Scientific Reports*, **2014**, 4, 4342	4.9	40
171	SiO2/TiO2 based hollow nanostructures as scaffold layers and Al-doping in the electron transfer layer for efficient perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 1306-1311	13	40
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169	Enhanced electrorheological performance of a graphene oxide-wrapped silica rod with a high aspect ratio. *Journal of Materials Chemistry C*, **2014**, 2, 6010	7.1	40
168	Fabrication of Carbon Nanocapsules Using PMMA/PDVB Core/Shell Nanoparticles. *Chemistry of Materials*, **2003**, 15, 2109-2111	9.6	40
167	Enhanced magnetorheological performance of highly uniform magnetic carbon nanoparticles. *Nanoscale*, **2015**, 7, 9646-54	7.7	39
166	A strategy for fabricating single layer graphene sheets based on a layer-by-layer self-assembly. *Chemical Communications*, **2011**, 47, 7182-4	5.8	39
165	Highly Sensitive and Selective Field-Effect-Transistor NonEnzyme Dopamine Sensors Based on Pt/Conducting Polymer Hybrid Nanoparticles. *Small*, **2015**, 11, 2399-406	11	37
164	Outstanding Performance of Hole-Blocking Layer-Free Perovskite Solar Cell Using Hierarchically Porous Fluorine-Doped Tin Oxide Substrate. *Advanced Energy Materials*, **2017**, 7, 1700749	21.8	37
163	Fe3O4/carbon hybrid nanoparticle electrodes for high-capacity electrochemical capacitors. *ChemSusChem*, **2014**, 7, 1676-83	8.3	37

162	Triplet host engineering for triplet exciton management in phosphorescent organic light-emitting diodes. *Journal of Applied Physics*, **2008**, 103, 054502	2.5	37
161	Fabrication of polyimide nanotubes and carbon nanotubes containing magnetic iron oxide in confinement. *Chemical Communications*, **2005**, 3847-9	5.8	37
160	Impact behavior of aramid fiber/glass fiber hybrid composite: Evaluation of four-layer hybrid composites. *Journal of Materials Science*, **2001**, 36, 2359-2367	4.3	37
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158	Electrorheological performance of multigram-scale mesoporous silica particles with different aspect ratios. *Journal of Materials Chemistry C*, **2016**, 4, 1713-1719	7.1	36
157	In Situ Synthesis of Graphene/Polyselenophene Nanohybrid Materials as Highly Flexible Energy Storage Electrodes. *Chemistry of Materials*, **2014**, 26, 2354-2360	9.6	36
156	Kinetically Controlled Formation of Multidimensional Poly(3,4-ethylenedioxythiophene) Nanostructures in Vapor-Deposition Polymerization. *Chemistry of Materials*, **2012**, 24, 4088-4092	9.6	36
155	Graphitic spherical carbon as a support for a PtRu-alloy catalyst in the methanol electro-oxidation. *Catalysis Letters*, **2006**, 112, 213-218	2.8	36
154	Performance improvement of glass fiber□poly(phenylene sulfide) composite. *Journal of Applied Polymer Science*, **1996**, 60, 2297-2306	2.9	36
153	Enhanced efficiency and air-stability of NiO-based perovskite solar cells via PCBM electron transport layer modification with Triton X-100. *Nanoscale*, **2017**, 9, 16249-16255	7.7	35
152	Electro-response of MoS2 Nanosheets-Based Smart Fluid with Tailorable Electrical Conductivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 24221-9	9.5	35
151	Fabrication of Various Conducting Polymers Using Graphene Oxide as a Chemical Oxidant. *Chemistry of Materials*, **2015**, 27, 6238-6248	9.6	34
150	Fabrication of silica/polyrhodanine core/shell nanoparticles and their antibacterial properties. *Journal of Materials Chemistry*, **2011**, 21, 19317		34
149	Polyaniline micropattern onto flexible substrate by vapor deposition polymerization-mediated inkjet printing. *Thin Solid Films*, **2010**, 518, 5066-5070	2.2	34
148	Graphene Oxide Wrapped SiO /TiO Hollow Nanoparticles Loaded with Photosensitizer for Photothermal and Photodynamic Combination Therapy. *Chemistry - A European Journal*, **2017**, 23, 3719-3727	4.8	33
147	Fabrication of density-controlled graphene oxide-coated mesoporous silica spheres and their electrorheological activity. *Journal of Colloid and Interface Science*, **2015**, 438, 14-21	9.3	33
146	A high-performance hydrogen gas sensor using ultrathin polypyrrole-coated CNT nanohybrids. *Chemical Communications*, **2013**, 49, 4673-5	5.8	33
145	Factors affecting the interfacial adhesion of ultrahigh-modulus polyethylene fibre□vinylester composites using gas plasma treatment. *Journal of Materials Science*, **1998**, 33, 3419-3425	4.3	33

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143	Micropatterning of conducting polymer tracks on plasma treated flexible substrate using vapor phase polymerization-mediated inkjet printing. *Synthetic Metals*, **2010**, 160, 1119-1125	3.6	32
142	A simple synthesis of mesoporous carbons with tunable mesopores using a colloidal template-mediated vapor deposition polymerization. *Chemical Communications*, **2005**, 4214-6	5.8	32
141	In situ sol-gel process of polystyrene/silica hybrid materials: Effect of silane-coupling agents. *Journal of Applied Polymer Science*, **2002**, 85, 2074-2083	2.9	32
140	Enhanced electrorheological activity of polyaniline coated mesoporous silica with high aspect ratio. *Journal of Colloid and Interface Science*, **2016**, 470, 237-244	9.3	31
139	Synthesis of titania embedded silica hollow nanospheres via sonication mediated etching and re-deposition. *Chemical Communications*, **2011**, 47, 7092-4	5.8	31
138	ZnO quantum dot-decorated carbon nanofibers derived from electrospun ZIF-8/PVA nanofibers for high-performance energy storage electrodes. *Chemical Communications*, **2017**, 53, 11441-11444	5.8	30
137	A highly sensitive wireless nitrogen dioxide gas sensor based on an organic conductive nanocomposite paste. *Journal of Materials Chemistry A*, **2019**, 7, 8451-8459	13	30
136	A metal-oxide nanofiber-decorated three-dimensional graphene hybrid nanostructured flexible electrode for high-capacity electrochemical capacitors. *Journal of Materials Chemistry A*, **2014**, 2, 11922	13	30
135	Aptamer-Functionalized Multidimensional Conducting-Polymer Nanoparticles for an Ultrasensitive and Selective Field-Effect-Transistor Endocrine-Disruptor Sensors. *Advanced Functional Materials*, **2014**, 24, 6145-6153	15.6	30
134	Synthesis and electrical response of polyaniline/poly(styrene sulfonate)-coated silica spheres prepared by seed-coating method. *Journal of Colloid and Interface Science*, **2013**, 398, 33-8	9.3	30
133	Effect of substituents on the curing of liquid crystalline epoxy resin. *Journal of Polymer Science Part A*, **1998**, 36, 911-917	2.5	30
132	Thickness Dependence of the Melting Temperature of Thin Polymer Films. *Macromolecular Rapid Communications*, **2001**, 22, 386-389	4.8	30
131	Cure Studies of a Benzoxazine-Based Phenolic Resin by Isothermal Experiment. *Polymer Journal*, **1995**, 27, 601-606	2.7	30
130	High-Performance Three-Dimensional Mesoporous Graphene Electrode for Supercapacitors using Lyophilization and Plasma Reduction. *ACS Applied Materials & Interfaces*, **2017**, 9, 5222-5230	9.5	29
129	Fabrication of SiO2/TiO2 double-shelled hollow nanospheres with controllable size via sol-gel reaction and sonication-mediated etching. *ACS Applied Materials & Interfaces*, **2014**, 6, 15420-6	9.5	29
128	Systematic investigation on charge storage behaviour of multidimensional poly(3,4-ethylenedioxythiophene) nanostructures. *RSC Advances*, **2014**, 4, 37529	3.7	28
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