

# Mingdong Dong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

367  
papers

13,104  
citations

58  
h-index

98  
g-index

393  
ext. papers

15,226  
ext. citations

8.1  
avg. IF

6.69  
L-index

#	Paper	IF	Citations
367	Antimicrobial and Wound-Healing Activities of Graphene-Reinforced Electrospun Chitosan/Gelatin Nanofibrous Nanocomposite Scaffolds.. <i>ACS Omega</i> , <b>2022</b> , 7, 1838-1850	3.9	4
366	Facile Damage-free Double Exposure for High-Performance 2D Semiconductor Based Transistors. <i>Materials Today Physics</i> , <b>2022</b> , 100678	8	2
365	Salt sacrificial template strategy and in-situ growth of lamellar La(OH) <sub>3</sub> on a novel PVDF foam for the simultaneous removal of phosphates and oil pollution without VOCs emission. <i>Separation and Purification Technology</i> , <b>2022</b> , 288, 120681	8.3	0
364	Tune the electronic structure of MoS <sub>2</sub> homojunction for broadband photodetection. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 119, 61-68	9.1	0
363	Nanoscale friction of strained molybdenum disulfide induced by nanoblister. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 151601	3.4	0
362	Nontoxic silicene photothermal agents with high near-infrared absorption for disassembly of Alzheimer's amyloid- $\beta$ fibrils. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 112575	6	0
361	Progress on Crowding Effect in Cell-like Structures. <i>Membranes</i> , <b>2022</b> , 12, 593	3.8	1
360	The Effect of Fe Dopant Location in Co(Fe)OOH Nanoparticles for the Oxygen Evolution Reaction. <i>ACS Nano</i> , <b>2021</b> ,	16.7	5
359	Scanning probe microscopy for electrocatalysis. <i>Matter</i> , <b>2021</b> , 4, 3483-3514	12.7	1
358	A dynamic electrochemical cell sensor for selective capture, rapid detection and noninvasive release of tumor cells. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 330, 129345	8.5	4
357	Long-distance electron transfer in a filamentous Gram-positive bacterium. <i>Nature Communications</i> , <b>2021</b> , 12, 1709	17.4	7
356	Frequency Shift Surface-Enhanced Raman Spectroscopy Sensing: An Ultrasensitive Multiplex Assay for Biomarkers in Human Health. <i>ACS Sensors</i> , <b>2021</b> , 6, 1704-1716	9.2	4
355	Studies on the electrostatic effects of stretched PVDF films and nanofibers. <i>Nanoscale Research Letters</i> , <b>2021</b> , 16, 79	5	4
354	3D Electrospun Synthetic Extracellular Matrix for Tissue Regeneration. <i>Small Science</i> , <b>2021</b> , 1, 2100003		19
353	Silk fibroin H-fibroin/poly( $\epsilon$ -caprolactone) core-shell nanofibers with enhanced mechanical property and long-term drug release. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 593, 142-151	9.3	13
352	An efficient ruthenium-based dual-electrocatalyst towards hydrogen evolution and oxygen reduction reactions. <i>Materials Today Physics</i> , <b>2021</b> , 16, 100300	8	5
351	Growing vertical aligned mesoporous silica thin film on nanoporous substrate for enhanced degradation, drug delivery and bioactivity. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1452-1463	16.7	9

350	Screening fermi-level pinning effect through van der waals contacts to monolayer MoS2. <i>Materials Today Physics</i> , <b>2021</b> , 16, 100290	8	24
349	Melt Electrospinning Writing of Magnetic Microrobots. <i>Advanced Science</i> , <b>2021</b> , 8, 2003177	13.6	12
348	In Situ Resistive Switching Effect Scrutinization on Co-Designed Graphene Sensor. <i>Small</i> , <b>2021</b> , 17, e2007053	7.0	2
347	Characterization of DNA-protein complexes by nanoparticle tracking analysis and their association with systemic lupus erythematosus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
346	Recent Progress in Emerging Two-Dimensional Transition Metal Carbides. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 183	19.5	24
345	Atomic-Scale Friction of Black and Violet Phosphorus Crystals: Implications for Phosphorus-Based Devices and Lubricants. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 9932-9937	5.6	3
344	Hysteresis-reversible MoS2 transistor. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 12033-12040	3.6	3
343	Intermetallic Rhodium Alloy Nanoparticles for Electrocatalysis. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 13716-13723	6.6	13
342	Layer-by-Layer Growth of AA-Stacking MoS for Tunable Broadband Phototransistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	5
341	Tunable hierarchical wrinkling surface via microscale patterned vertical deformation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 607, 125468	5.1	1
340	Biomimetic fabrication of dynamic biointerfaces with optional and diversified bioactivities through reversible covalent and bioorthogonal chemistry. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125620	14.7	11
339	3D anisotropic photocatalytic architectures as bioactive nerve guidance conduits for peripheral neural regeneration. <i>Biomaterials</i> , <b>2020</b> , 253, 120108	15.6	44
338	A biocompatible artificial tendril with a spontaneous 3D Janus multi-helix-perversion configuration. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2149-2156	7.8	5
337	A high-throughput synthesis of large-sized single-crystal hexagonal boron nitride on a Cu-Ni gradient enclosure.. <i>RSC Advances</i> , <b>2020</b> , 10, 16088-16093	3.7	2
336	Atomically Dispersed Fe-N Modified with Precisely Located S for Highly Efficient Oxygen Reduction. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 116	19.5	38
335	Co(OH)2/MXene composites for tunable pseudo-capacitance energy storage. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136607	6.7	21
334	Coupling N and CO in HO to synthesize urea under ambient conditions. <i>Nature Chemistry</i> , <b>2020</b> , 12, 717-724	7.4	146
333	In situ construction of tandem nitrogen-doped MoP nanocrystals for high-efficient electrocatalytic hydrogen evolution. <i>Electrochimica Acta</i> , <b>2020</b> , 342, 136059	6.7	5

332	Wafer-size growth of 2D layered SnSe films for UV-Visible-NIR photodetector arrays with high responsivity. <i>Nanoscale</i> , <b>2020</b> , 12, 7358-7365	7.7	27
331	Folding 2D Graphene Nanoribbons into 3D Nanocages Induced by Platinum Nanoclusters. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 10495-10501	3.8	1
330	Ionic Liquid-Assisted Synthesis of Hierarchical One-Dimensional MoP/NPC for High-Performance Supercapacitor and Electrocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6343-6351	8.3	27
329	Identification and Nanomechanical Characterization of the HIV Tat-Amyloid $\beta$ Peptide Multifibrillar Structures. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 9449-9453	4.8	1
328	An injectable high-conductive bimaterial scaffold for neural stimulation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 195, 111210	6	14
327	Direct Integration of Few-Layer MoS <sub>2</sub> at Plasmonic Au Nanostructure by Substrate-Diffusion Delivered Mo. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1902093	4.6	2
326	Emerging wet electrohydrodynamic approaches for versatile bioactive 3D interfaces. <i>Nano Research</i> , <b>2020</b> , 13, 315-327	10	5
325	Laser-induced growth of large-area epitaxial graphene with low sheet resistance on 4H-SiC(0001). <i>Applied Surface Science</i> , <b>2020</b> , 514, 145938	6.7	7
324	In situ Surface Charge Density Visualization of Self-assembled DNA Nanostructures after Ion Exchange. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1474-1482	3.2	10
323	Studying the Pyroelectric Effects of LiNbO <sub>3</sub> Modified Composites. <i>Nanoscale Research Letters</i> , <b>2020</b> , 15, 106	5	5
322	Improved water flux and antifouling properties of cardo poly(aryl ether ketone) ultrafiltration membrane by novel sulfobetaine polyimides additive. <i>Separation and Purification Technology</i> , <b>2020</b> , 251, 117144	8.3	11
321	Progress of electrospray and electrospinning in energy applications. <i>Nanotechnology</i> , <b>2020</b> , 31, 132001	3.4	13
320	Direct synthesis of bifunctional nanorods from a Co <sup>II</sup> denineMoO <sub>3</sub> hybrid for overall water splitting. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 546-554	7.8	10
319	An instant, biocompatible and biodegradable high-performance graphitic carbon nitride. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 563, 336-346	9.3	12
318	Ultrafast plasma immersion strategy for rational modulation of oxygen-containing and amino groups in graphitic carbon nitride. <i>Carbon</i> , <b>2020</b> , 159, 51-64	10.4	27
317	Porous coordination polymer-derived ultrasmall CoP encapsulated in nitrogen-doped carbon for efficient hydrogen evolution in both acidic and basic media. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1729-1737	6.7	12
316	Reversing Interfacial Catalysis of Ambipolar WSe Single Crystal. <i>Advanced Science</i> , <b>2020</b> , 7, 1901382	13.6	75
315	Hexagonal CoSe <sub>2</sub> nanosheets stabilized by nitrogen-doped reduced graphene oxide for efficient hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1738-1747	6.7	10

314	Effect of cholesterol on the fluidity of supported lipid bilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 196, 111353	6	7
313	Flexible and Green Electronics Manufactured by Origami Folding of Nanosilicate-Reinforced Cellulose Paper. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48027-48039	9.5	12
312	Modulation of oxygen functional groups and their influence on the supercapacitor performance of reduced graphene oxide. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 19022-19027	3.6	4
311	Effect of molecular weight of regenerated silk fibroin on silk-based spheres for drug delivery. <i>Korean Journal of Chemical Engineering</i> , <b>2020</b> , 37, 1732-1742	2.8	6
310	Nanovaccine-induced rapid induction of anti-tumor immunity significantly improves malignant cancer immunotherapy. <i>Nano Today</i> , <b>2020</b> , 35, 100923	17.9	9
309	Pressure-driven switching of magnetism in layered CrCl. <i>Nanoscale</i> , <b>2020</b> , 12, 22935-22944	7.7	2
308	Photodegradation of porphyrin-bound hIAPP(1B7) fibrils. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9438-9443	3.6	3.6
307	Facile fabrication of Mn-doped ZnO photocatalysts by electrospinning. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 191050	3.3	11
306	Enhanced power density of a supercapacitor by introducing 3D-interfacial graphene. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13377-13381	3.6	21
305	A hierarchically ordered compacted coil scaffold for tissue regeneration. <i>NPG Asia Materials</i> , <b>2020</b> , 12,	10.3	10
304	Structural conversion of human islet amyloid polypeptide aggregates under an electric field. <i>Chemical Communications</i> , <b>2020</b> , 56, 11497-11500	5.8	1
303	Cutting Edge Materials of Two-Dimensional Platinum Diselenide. <i>ACS Symposium Series</i> , <b>2020</b> , 317-345	0.4	
302	Adsorption of phosphorus on lanthanum doped carbon films guided by self-assembly of cellulose nanocrystalline. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 319, 114148	6	6
301	Variation of fat globule size and fatty acids in human milk in the first 30 days of lactation. <i>International Dairy Journal</i> , <b>2020</b> , 100, 104567	3.5	6
300	Growth of self-aligned single-crystal vanadium carbide nanosheets with a controllable thickness on a unique staked metal substrate. <i>Applied Surface Science</i> , <b>2020</b> , 499, 143998	6.7	2
299	In-situ homodispersely immobilization of Ag@AgCl on chloridized g-C <sub>3</sub> N <sub>4</sub> nanosheets as an ultrastable plasmonic photocatalyst. <i>Chemical Engineering Journal</i> , <b>2020</b> , 384, 123259	14.7	45
298	Combustion assisted preparation of high coercivity SmCo hard magnet with stable single-domain size. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152527	5.7	3
297	Ultrastable metal-free near-infrared-driven photocatalysts for H <sub>2</sub> production based on protonated 2D g-C <sub>3</sub> N <sub>4</sub> sensitized with Chlorin e6. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118137	21.8	45

296	Investigating the stability of molecule doped graphene field effect transistors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 15275-15279	3.6	27
295	Nanostructured heterogeneous photo-catalysts for hydrogen production and water splitting: A comprehensive insight. <i>Applied Materials Today</i> , <b>2019</b> , 17, 159-182	6.6	30
294	Stimulating antibacterial activities of graphitic carbon nitride nanosheets with plasma treatment. <i>Nanoscale</i> , <b>2019</b> , 11, 18416-18425	7.7	24
293	Engineering a Genetically Encoded Magnetic Protein Crystal. <i>Nano Letters</i> , <b>2019</b> , 19, 6955-6963	11.5	13
292	Waterproof molecular monolayers stabilize 2D materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 20844-20849	11.5	24
291	Coral-like S-doped CoSe <sub>2</sub> with enriched 1T-phase as efficient electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 322, 134739	6.7	18
290	Polymeric structure optimization of g-CN by using confined argon-assisted highly-ionized ammonia plasma for improved photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 214-223	9.3	9
289	A multifunctional biomimetic hybrid nanocarrier for the controlled delivery of chemotherapy drugs by near-infrared light. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2752-2757	3.6	7
288	Microorganism Assisted Synthesized Nanoparticles for Catalytic Applications. <i>Energies</i> , <b>2019</b> , 12, 190	3.1	77
287	Room Temperature Study of Seeding Growth on Two-Dimensional DNA Nanostructure. <i>Langmuir</i> , <b>2019</b> , 35, 4140-4145	4	3
286	Disassembly of Alzheimer's amyloid fibrils by functional upconversion nanoparticles under near-infrared light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 341-348	6	15
285	Wrinkles with changing orientation and complexity in a single piece of thin film. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 245301	2.5	3
284	Lipidoid-polymer hybrid nanoparticles loaded with TNF siRNA suppress inflammation after intra-articular administration in a murine experimental arthritis model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 142, 38-48	5.7	28
283	Growth of umbrella-like millimeter-scale single-crystalline graphene on liquid copper. <i>Carbon</i> , <b>2019</b> , 150, 356-362	10.4	4
282	Engineering single-atom dynamics with electron irradiation. <i>Science Advances</i> , <b>2019</b> , 5, eaav2252	14.3	39
281	Edge-oriented MoS <sub>2</sub> supported on nickel/carbon core-shell nanospheres for enhanced hydrogen evolution reaction performance. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 6146-6152	3.6	17
280	Multicompartmentalized vesosomes containing DOX loaded liposomes and 5FU loaded liposomes for synergistic tumor treatment. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4895-4899	3.6	13
279	Moderate NaNO <sub>2</sub> etching enables easy crystallinity optimization of g-C <sub>3</sub> N <sub>4</sub> with superior photoreduction performance. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1304-1311	6.8	3

278	Synchronous delivery of hydroxyapatite and connective tissue growth factor derived osteoinductive peptide enhanced osteogenesis. <i>Journal of Controlled Release</i> , <b>2019</b> , 301, 129-139	11.7	23
277	Activating MoS <sub>2</sub> with Super-High Nitrogen-Doping Concentration as Efficient Catalyst for Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10917-10925	3.8	22
276	Direct on-surface synthesis of gold-phthalocyanine via cyclization of cyano-groups with gold adatoms. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 1406-1410	7.8	1
275	Surface Amino Group Regulation and Structural Engineering of Graphitic Carbon Nitride with Enhanced Photocatalytic Activity by Ultrafast Ammonia Plasma Immersion Modification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14952-14959	9.5	24
274	Ultrathin TiCT (MXene) Nanosheet-Wrapped NiSe Octahedral Crystal for Enhanced Supercapacitor Performance and Synergetic Electrocatalytic Water Splitting. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 31	19.5	78
273	2D SnSe/Si heterojunction for self-driven broadband photodetectors. <i>2D Materials</i> , <b>2019</b> , 6, 034004	5.9	24
272	Interfacial icelike water local doping of graphene. <i>Nanoscale</i> , <b>2019</b> , 11, 19334-19340	7.7	9
271	Growth and carrier transport performance of single-crystalline monolayer graphene over electrodeposited copper film on quartz glass. <i>Ceramics International</i> , <b>2019</b> , 45, 24254-24259	5.1	2
270	Fabrication of 2D Hetero-Complexes With Nucleic-Acid-Base Adenine and Fatty-Acid Stearic Acid at Liquid/Solid Interface. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 513	5	
269	Phase Stability and Compressibility of 3R-MoN at High Pressure. <i>Scientific Reports</i> , <b>2019</b> , 9, 10524	4.9	3
268	Tuning quaternary hydride CoNi <sub>3</sub> Se composition as a bifunctional electrocatalyst for hydrogen and oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 27685-27694	6.7	17
267	A Magnetic Dynamic Microbiointerface with Biofeedback Mechanism for Cancer Cell Capture and Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41019-41029	9.5	17
266	Recent advances in synthesis and biosensors of two-dimensional MoS <sub>2</sub> . <i>Nanotechnology</i> , <b>2019</b> , 30, 502004	3.4	2
265	Cell Nanomechanics Based on Dielectric Elastomer Actuator Device. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 98	19.5	5
264	Electrospinning Synthesis of ZIF-67/PAN Fibrous Membrane with High-capacity Adsorption for Malachite Green. <i>Fibers and Polymers</i> , <b>2019</b> , 20, 2070-2077	2	25
263	Liposome Induced Mechanical Properties Changes in Cell Membrane <b>2019</b> ,		1
262	Antifouling and pH-Responsive Poly(Carboxybetaine)-Based Nanoparticles for Tumor Cell Targeting. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 770	5	9
261	Multipathway Antibacterial Mechanism of a Nanoparticle-Supported Artemisinin Promoted by Nitrogen Plasma Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47299-47310	9.5	10

260	Modulation the electronic property of 2D monolayer MoS <sub>2</sub> by amino acid. <i>Applied Materials Today</i> , <b>2019</b> , 14, 151-158	6.6	46
259	Superior adsorption performance of metal-organic-frameworks derived magnetic cobalt-embedded carbon microrods for triphenylmethane dyes. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 536, 483-492	9.3	28
258	Enhanced Photoresponsive Graphene Oxide-Modified g-CN for Disassembly of Amyloid $\beta$ -Fibrils. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 96-103	9.5	23
257	Confined hetero double helix structure induced by graphene nanoribbon. <i>2D Materials</i> , <b>2019</b> , 6, 034001	5.9	2
256	Resolving protein mixtures using microfluidic diffusional sizing combined with synchrotron radiation circular dichroism. <i>Lab on A Chip</i> , <b>2018</b> , 19, 50-58	7.2	6
255	Authors' Response to "Mutations in COL1A1 Gene Change Dentin Nanostructure: A Response". <i>Anatomical Record</i> , <b>2018</b> , 301, 1309-1310	2.1	
254	Nanostructural Differentiation and Toxicity of Amyloid- $\beta$ 5-35 Aggregates Emerge from Distinct Secondary Conformation. <i>Scientific Reports</i> , <b>2018</b> , 8, 765	4.9	17
253	Direct measurement of surface charge distribution in phase separating supported lipid bilayers. <i>Nanoscale</i> , <b>2018</b> , 10, 4538-4544	7.7	25
252	Size effect of oxygen reduction reaction on nitrogen-doped graphene quantum dots. <i>RSC Advances</i> , <b>2018</b> , 8, 531-536	3.7	23
251	Controllable etching of MoS <sub>2</sub> basal planes for enhanced hydrogen evolution through the formation of active edge sites. <i>Nano Energy</i> , <b>2018</b> , 49, 634-643	17.1	166
250	RNA nanopatterning on graphene. <i>2D Materials</i> , <b>2018</b> , 5, 031006	5.9	10
249	Adhesion force measured by atomic force microscopy for direct carbon fiber-epoxy interfacial characterization. <i>Materials and Design</i> , <b>2018</b> , 145, 218-225	8.1	11
248	Studying the Adhesion Force and Glass Transition of Thin Polystyrene Films by Atomic Force Microscopy. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 5	5	15
247	Nickel nanoparticles encapsulated in porous carbon and carbon nanotube hybrids from bimetallic metal-organic-frameworks for highly efficient adsorption of dyes. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 509, 245-253	9.3	111
246	In vitro single-cell dissection revealing the interior structure of cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8517-8522	11.5	30
245	The ambipolar transport behavior of WSe <sub>2</sub> transistors and its analogue circuits. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 703-712	10.3	86
244	A Roadmap for Achieving Sustainable Energy Conversion and Storage: Graphene-Based Composites Used Both as an Electrocatalyst for Oxygen Reduction Reactions and an Electrode Material for a Supercapacitor. <i>Energies</i> , <b>2018</b> , 11, 167	3.1	16
243	An Effective Utilization of Solar Energy: Enhanced Photodegradation Efficiency of TiO <sub>2</sub> /Graphene-Based Composite. <i>Energies</i> , <b>2018</b> , 11, 630	3.1	3



242	Tactile-Sensing Based on Flexible PVDF Nanofibers via Electrospinning: A Review. <i>Sensors</i> , <b>2018</b> , 18,	3.8	101
241	Carbothermal activation synthesis of 3D porous g-C <sub>3</sub> N <sub>4</sub> /carbon nanosheets composite with superior performance for CO <sub>2</sub> photoreduction. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 239, 196-203	21.8	92
240	Exploring the Nanotoxicology of MoS <sub>2</sub> : A Study on the Interaction of MoS <sub>2</sub> Nanoflakes and K Channels. <i>ACS Nano</i> , <b>2018</b> , 12, 705-717	16.7	34
239	MOF-derived magnetic Ni-carbon submicrorods for the catalytic reduction of 4-nitrophenol. <i>Catalysis Communications</i> , <b>2018</b> , 107, 43-47	3.2	41
238	Differential Modulating Effect of MoS <sub>2</sub> on Amyloid Peptide Assemblies. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3397-3402	4.8	28
237	High-vacuum optical platform for cryo-CLEM (HOPE): A new solution for non-integrated multiscale correlative light and electron microscopy. <i>Journal of Structural Biology</i> , <b>2018</b> , 201, 63-75	3.4	14
236	Thermal effect on the degradation of hIAPP fibrils. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 513, 126-132	9.3	8
235	Boosted visible light photodegradation activity of boron doped rGO/g-C <sub>3</sub> N <sub>4</sub> nanocomposites: the role of C-O bonds. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 17644-17651	3.6	12
234	Two-dimensional peptide based functional nanomaterials. <i>Nano Today</i> , <b>2018</b> , 23, 40-58	17.9	36
233	Giant Unilamellar Vesicle Microarrays for Cell Function Study. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14363-14367	7.8	9
232	Mesoporous black TiO <sub>2</sub> array employing sputtered Au cocatalyst exhibiting efficient charge separation and high H <sub>2</sub> evolution activity. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 22265-22272	6.7	14
231	Reversible conductivity recovery of highly sensitive flexible devices by water vapor. <i>Npj Flexible Electronics</i> , <b>2018</b> , 2,	10.7	9
230	Electroactive Scaffolds for Neurogenesis and Myogenesis: Graphene-Based Nanomaterials. <i>Small</i> , <b>2018</b> , 14, e1801983	11	57
229	A swarm of slippery micropropellers penetrates the vitreous body of the eye. <i>Science Advances</i> , <b>2018</b> , 4, eaat4388	14.3	240
228	Membrane destruction and phospholipid extraction by using two-dimensional MoS <sub>2</sub> nanosheets. <i>Nanoscale</i> , <b>2018</b> , 10, 20162-20170	7.7	46
227	A novel MnO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanocomposite as high performance electrode materials for flexible supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 290, 695-703	6.7	100
226	Self-scrolling MoS <sub>2</sub> metallic wires. <i>Nanoscale</i> , <b>2018</b> , 10, 18178-18185	7.7	70
225	Rapid Growth of Acetylated A $\beta$ (16-20) into Macroscopic Crystals. <i>ACS Nano</i> , <b>2018</b> , 12, 5408-5416	16.7	6

224	Constructing ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets with hierarchical pores by NaClO induced wet etching for efficient photocatalytic Cr(VI) detoxification under visible light irradiation. <i>Diamond and Related Materials</i> , <b>2018</b> , 88, 51-59	3.5	15
223	First-principles design of bifunctional oxygen reduction and evolution catalysts through bimetallic centers in metal-organic frameworks. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 3666-3674	5.5	13
222	Light responsive hybrid nanofibres for on-demand therapeutic drug and cell delivery. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 2411-2420	4.4	18
221	Light-driven porphyrin modulating fibrillation of hIAPP(20-29) peptide. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 495, 37-43	9.3	10
220	In Situ Probing the Relaxation Properties of Ultrathin Polystyrene Films by Using Electric Force Microscopy. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 257	5	4
219	Single-component solid lipid nanocarriers prepared with ultra-long chain amphiphilic lipids. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 392-401	9.3	9
218	Nanotopography featured polycaprolactone/polyethyleneoxide microfibers modulate endothelial cell response. <i>Nanoscale</i> , <b>2017</b> , 9, 9218-9229	7.7	20
217	Synthesis of porous In <sub>2</sub> O <sub>3</sub> /carbon composites derived from metal-organic frameworks for high performance Li-ion batteries. <i>Materials Letters</i> , <b>2017</b> , 199, 176-179	3.3	14
216	Exciton Coupling of Phenylalanine Reveals Conformational Changes of Cationic Peptides. <i>ChemistrySelect</i> , <b>2017</b> , 2, 2476-2479	1.8	4
215	Photoactive antimicrobial nanomaterials. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 8631-8652	7.3	122
214	Electrochemical reduction of CO <sub>2</sub> on compositionally variant Au-Pt bimetallic thin films. <i>Nano Energy</i> , <b>2017</b> , 42, 51-57	17.1	64
213	Visible-Light Neural Stimulation on Graphitic-Carbon Nitride/Graphene Photocatalytic Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34736-34743	9.5	51
212	Dual-delivery of FGF-2/CTGF from Silk Fibroin/PLCL-PEO Coaxial Fibers Enhances MSC Proliferation and Fibrogenesis. <i>Scientific Reports</i> , <b>2017</b> , 7, 8509	4.9	15
211	Regulating Surficial Catalysis Mechanism of Copper Metal by Manipulating Reactive Intermediate for Growth of Homogenous Bernal-Stacked Bilayer Graphene. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700415	4.6	1
210	Necklace-like fiber composite membrane for high-efficiency particulate matter capture. <i>Applied Surface Science</i> , <b>2017</b> , 425, 220-226	6.7	12
209	Extracting the inner wall from nested double-walled carbon nanotube by platinum nanowire: molecular dynamics simulations. <i>RSC Advances</i> , <b>2017</b> , 7, 39480-39489	3.7	4
208	Rapid, Acid-Free Synthesis of High-Quality Graphene Quantum Dots for Aggregation Induced Sensing of Metal Ions and Bioimaging. <i>ACS Omega</i> , <b>2017</b> , 2, 8051-8061	3.9	52
207	Direct mapping of chemical oxidation of individual graphene sheets through dynamic force measurements at the nanoscale. <i>Nanoscale</i> , <b>2017</b> , 9, 119-127	7.7	17

206	Template-free synthesis of inorganic hollow spheres at water/"water-brother" interfaces as Fenton-like reagents for water treatment. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 55, 331-338	6.4	6
205	Inducing Temporal and Reversible Autophagy by Nanotopography for Potential Control of Cell Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33475-33483	9.5	13
204	TERRACE INDUCED HOMOCHIRAL SELF-ASSEMBLY OF ZINC PHTHALOCYANINE ON COPPER (111) SURFACE. <i>Surface Review and Letters</i> , <b>2016</b> , 23, 1650047	1.1	
203	Dimensionality of carbon nanomaterial impacting on the modulation of amyloid peptide assembly. <i>Nanotechnology</i> , <b>2016</b> , 27, 304001	3.4	14
202	Preparation and Catalytic Activity Comparison of Porous NiO, Co <sub>3</sub> O <sub>4</sub> and NiCo <sub>2</sub> O <sub>4</sub> Superstructures on the Thermal Decomposition of Ammonium Perchlorate. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 8635-8639	1.3	7
201	Mapping surface charge density of lipid bilayers by quantitative surface conductivity microscopy. <i>Nature Communications</i> , <b>2016</b> , 7, 12447	17.4	77
200	Ultralong Fatty Acyl Derivatives As Occlusive Structure Lipids for Cosmetic Applications: Synthesis and Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 7137-7146	8.3	9
199	Magnetic Properties of Strontium Hexaferrite Nanostructures Measured with Magnetic Force Microscopy. <i>Scientific Reports</i> , <b>2016</b> , 6, 25985	4.9	34
198	Synthesis of ordered conjugated polycyclic aromatic hydrocarbon polymers through polymerization reaction on Au(111). <i>Chemical Communications</i> , <b>2016</b> , 52, 8420-3	5.8	3
197	Super flexibility and stability of graphene nanoribbons under severe twist. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 18406-13	3.6	15
196	Synthetic ultra-long chain fatty acyl based amphiphilic lipids as a dual function excipient for the production of surfactant-free solid lipid nanoparticles (SF-SLNs): a physico-chemical study. <i>Green Chemistry</i> , <b>2016</b> , 18, 3962-3971	10	7
195	Chip-Free Microscale-Incubator-Based Synthesis of Chitosan-Based Gene Silencing Nanoparticles. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 279-285	3.1	1
194	Mutations in COL1A1 Gene Change Dentin Nanostructure. <i>Anatomical Record</i> , <b>2016</b> , 299, 511-9	2.1	6
193	Synthesis of silicon-doped reduced graphene oxide and its applications in dye-sensitive solar cells and supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 15080-15086	3.7	38
192	Synergistic Inhibitory Effect of Peptide-Organic Coassemblies on Amyloid Aggregation. <i>ACS Nano</i> , <b>2016</b> , 10, 4143-53	16.7	41
191	Podosome Formation and Development in Monocytes Restricted by the Nanoscale Spatial Distribution of ICAM1. <i>Nano Letters</i> , <b>2016</b> , 16, 2114-21	11.5	11
190	Artificial extracellular matrix delivers TGFb1 regulating myofibroblast differentiation. <i>RSC Advances</i> , <b>2016</b> , 6, 21922-21928	3.7	7
189	Cystine oligomers successfully attached to peptide cysteine-rich fibrils. <i>Frontiers of Chemical Science and Engineering</i> , <b>2016</b> , 10, 99-102	4.5	1

188	Improved performance of SrFe <sub>12</sub> O <sub>19</sub> bulk magnets through bottom-up nanostructuring. <i>Nanoscale</i> , <b>2016</b> , 8, 2857-66	7.7	33
187	The influence of the localised charge of C- and N-termini on peptide self-assembly. <i>Soft Matter</i> , <b>2016</b> , 12, 373-7	3.6	5
186	Molecular Imprinting of Complex Matrices at Localized Surface Plasmon Resonance Biosensors for Screening of Global Interactions of Polyphenols and Proteins. <i>ACS Sensors</i> , <b>2016</b> , 1, 258-264	9.2	24
185	Chitosan-coated poly(lactic-co-glycolic acid) perfluorooctyl bromide nanoparticles for cell labeling in <sup>19</sup> F magnetic resonance imaging. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 936-44	10.3	20
184	Nanostructural Biomaterials and Applications. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-2	3.2	1
183	Characterization of Inter- and Intramolecular Interactions of Amyloid Fibrils by AFM-Based Single-Molecule Force Spectroscopy. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-18	3.2	5
182	Size and Carbon Content of Sub-seafloor Microbial Cells at Landsort Deep, Baltic Sea. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1375	5.7	20
181	Biomimetic cardiovascular stents for in vivo re-endothelialization. <i>Biomaterials</i> , <b>2016</b> , 103, 170-182	15.6	67
180	The preparation of a recyclable catalyst of silver nanoparticles dispersed in a mesoporous silica nanofiber matrix. <i>RSC Advances</i> , <b>2016</b> , 6, 65613-65618	3.7	10
179	Controlling the intracellular diffusion behaviour of Ag monomers on Si(111)-(7 × 7) by voltage pulse manipulation. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 103105	3.4	2
178	The Ultrastructures and Mechanical Properties of the Descemet's Membrane in Fuchs Endothelial Corneal Dystrophy. <i>Scientific Reports</i> , <b>2016</b> , 6, 23096	4.9	24
177	Controlled synthesis of high-quality crystals of monolayer MoS <sub>2</sub> for nanoelectronic device application. <i>Science China Materials</i> , <b>2016</b> , 59, 182-190	7.1	41
176	Exploring the mechanisms of metal co-catalysts in photocatalytic reduction reactions: Is Ag a good candidate?. <i>Applied Catalysis A: General</i> , <b>2016</b> , 518, 213-220	5.1	14
175	Self-assembly of hydrogen-bonded supramolecular complexes of nucleic-acid-base and fatty-acid at the liquid-solid interface. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 14168-71	3.6	18
174	Facile Synthesis of Single Crystal PtSe Nanosheets for Nanoscale Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 10224-10229	24	246
173	Modulation of N-bonding configurations and their influence on the electrical properties of nitrogen-doped graphene. <i>RSC Advances</i> , <b>2016</b> , 6, 92682-92687	3.7	9
172	Protein patterning by a DNA origami framework. <i>Nanoscale</i> , <b>2016</b> , 8, 15233-40	7.7	7
171	The influence of nanotopography on organelle organization and communication. <i>Nano Research</i> , <b>2016</b> , 9, 2433-2444	10	6

170	Identification of a Novel Parallel $\beta$ -Strand Conformation within Molecular Monolayer of Amyloid Peptide. <i>Advanced Science</i> , <b>2016</b> , 3, 1500369	13.6	22
169	Electronically addressable nanomechanical switching of i-motif DNA origami assembled on basal plane HOPG. <i>Chemical Communications</i> , <b>2015</b> , 51, 14111-4	5.8	14
168	Facile Preparation of TiO <sub>2</sub> Nanoclusters on Graphene Templates for Photodegradation of Organic Compounds. <i>Journal of Materials Science and Technology</i> , <b>2015</b> , 31, 840-844	9.1	5
167	Serum-induced degradation of 3D DNA box origami observed with high-speed atomic force microscopy. <i>Nano Research</i> , <b>2015</b> , 8, 2170-2178	10	20
166	Acyl-peptide releasing enzyme from <i>Sulfolobus tokodaii</i> (ST0779) as a novel promiscuous biocatalyst for aldol addition. <i>Catalysis Communications</i> , <b>2015</b> , 66, 111-115	3.2	2
165	Dental Abnormalities Caused by Novel Compound Heterozygous CTSK Mutations. <i>Journal of Dental Research</i> , <b>2015</b> , 94, 674-81	8.1	18
164	The effects of surface group functionalization and strain on the electronic structures of two-dimensional silicon carbide. <i>Chemical Physics Letters</i> , <b>2015</b> , 628, 60-65	2.5	1
163	Mechanical properties of amyloid-like fibrils defined by secondary structures. <i>Nanoscale</i> , <b>2015</b> , 7, 7745-527	28	
162	Biocatalytic synthesis of ultra-long-chain fatty acid sugar alcohol monoesters. <i>Green Chemistry</i> , <b>2015</b> , 17, 3475-3489	10	18
161	Poly(norepinephrine) as a functional bio-interface for neuronal differentiation on electrospun fibers. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9446-53	3.6	32
160	Nanostructure and mechanical properties of the osteocyte lacunar-canalicular network-associated bone matrix revealed by quantitative nanomechanical mapping. <i>Nano Research</i> , <b>2015</b> , 8, 3250-3260	10	11
159	Strong interactions with polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA NPs) alter $\beta$ -synuclein conformation and aggregation kinetics. <i>Nanoscale</i> , <b>2015</b> , 7, 19627-40	7.7	25
158	Microfluidic Synthesis of Hybrid Nanoparticles with Controlled Lipid Layers: Understanding Flexibility-Regulated Cell-Nanoparticle Interaction. <i>ACS Nano</i> , <b>2015</b> , 9, 9912-21	16.7	132
157	Ultraporous nanofeatured PCL-PEO microfibrinous scaffolds enhance cell infiltration, colonization and myofibroblastic differentiation. <i>Nanoscale</i> , <b>2015</b> , 7, 14989-95	7.7	16
156	Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 892-8	28.7	142
155	Characterization and mechanism insight of accelerated catalytic promiscuity of <i>Sulfolobus tokodaii</i> (ST0779) peptidase for aldol addition reaction. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 9625-34	5.7	6
154	A novel form of $\beta$ -strand assembly observed in A $\beta$ (3-42) adsorbed onto graphene. <i>Nanoscale</i> , <b>2015</b> , 7, 15341-8	7.7	19
153	Scaffolded multimers of hIAPP(20-29) peptide fragments fibrillate faster and lead to different fibrils compared to the free hIAPP(20-29) peptide fragment. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2015</b> , 1854, 1890-1897	4	6

152	Oxygen reduction reaction on M-S4 embedded graphene: A density functional theory study. <i>Chemical Physics Letters</i> , <b>2015</b> , 641, 112-116	2.5	12
151	Two-Dimensional EConjugated Metal Bis(dithiolene) Complex Nanosheets as Selective Catalysts for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 28028-28037	3.8	64
150	Curvature effect of O2 adsorption and dissociation on SiC nanotubes and nanosheet. <i>Chemical Physics Letters</i> , <b>2015</b> , 619, 92-96	2.5	11
149	Piezoelectric oscillation sensor based noncontact atomic force microscope for imaging in both ambient and liquid environments. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2015</b> , 33, 021801	1.3	7
148	Tumour exosomes display differential mechanical and complement activation properties dependent on malignant state: implications in endothelial leakiness. <i>Journal of Extracellular Vesicles</i> , <b>2015</b> , 4, 29685	16.4	69
147	Size Effect of Graphene Oxide on Modulating Amyloid Peptide Assembly. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 9632-7	4.8	46
146	Cyclotrimerization-Induced Chiral Supramolecular Structures of 4-Ethynyltriphenylamine on Au(111) Surface. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12978-83	4.8	17
145	In Situ Cross-Linked PNIPAM/Gelatin Nanofibers for Thermo-Responsive Drug Release. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 1226-1231	3.9	37
144	Chitosan/siRNA functionalized titanium surface via a layer-by-layer approach for in vitro sustained gene silencing and osteogenic promotion. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 2335-46	7.3	26
143	MIL-68 (In) nano-rods for the removal of Congo red dye from aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 453, 270-275	9.3	71
142	Monitoring patterned enzymatic polymerization on DNA origami at single-molecule level. <i>Nanoscale</i> , <b>2015</b> , 7, 10970-3	7.7	12
141	Synthesis, characterization and electrical properties of silicon-doped graphene films. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 6301-6306	7.1	58
140	Room-temperature tracking of chiral recognition process at the single-molecule level. <i>Nano Research</i> , <b>2015</b> , 8, 3505-3511	10	4
139	Facile hydrothermal synthesis and formation mechanisms of Bi <sub>2</sub> Te <sub>3</sub> , Sb <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> nanowires. <i>RSC Advances</i> , <b>2015</b> , 5, 100309-100315	3.7	14
138	Investigation of the non-covalent interactions of molecular self-assembly by scanning tunneling microscopy using the association of aromatic structures in pyrene-4,5,9,10-tetraone and phenanthrene-9,10-dione molecules. <i>RSC Advances</i> , <b>2015</b> , 5, 103316-103320	3.7	7
137	A self-assembled nanopatch with peptide-organic multilayers and mechanical properties. <i>Nanoscale</i> , <b>2015</b> , 7, 2250-4	7.7	13
136	Tweaking the composition of NiMoZn alloy electrocatalyst for enhanced hydrogen evolution reaction performance. <i>Nano Energy</i> , <b>2015</b> , 12, 9-18	17.1	99
135	Two-dimensional material confined water. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 119-27	24.3	112

134	Nanoliposomes containing Eucalyptus citriodora as antibiotic with specific antimicrobial activity. <i>Chemical Communications</i> , <b>2015</b> , 51, 2653-5	5.8	57
133	Gigantic enhancement in the dielectric properties of polymer-based composites using core/shell MWCNT/amorphous carbon nanohybrids. <i>Nanoscale</i> , <b>2015</b> , 7, 3660-7	7.7	65
132	Transition of chemically modified diphenylalanine peptide assemblies revealed by atomic force microscopy. <i>RSC Advances</i> , <b>2014</b> , 4, 7516	3.7	12
131	Pyridyne cycloaddition of graphene: External active sites for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 897-901	13	30
130	Curvature effect of SiC nanotubes and sheets for CO <sub>2</sub> capture and reduction. <i>RSC Advances</i> , <b>2014</b> , 4, 48994-48999	3.7	18
129	Adjusting the electronic properties of silicon carbide nanoribbons by introducing edge functionalization. <i>RSC Advances</i> , <b>2014</b> , 4, 35042-35047	3.7	12
128	DNA brick crystals with prescribed depths. <i>Nature Chemistry</i> , <b>2014</b> , 6, 994-1002	17.6	150
127	Ultraporous interweaving electrospun microfibers from PCL-PEO binary blends and their inflammatory responses. <i>Nanoscale</i> , <b>2014</b> , 6, 3392-402	7.7	39
126	Nanomechanical spectroscopy of synthetic and biological membranes. <i>Nanoscale</i> , <b>2014</b> , 6, 7604-8	7.7	5
125	The importance of being capped: Terminal capping of an amyloidogenic peptide affects fibrillation propensity and fibril morphology. <i>Biochemistry</i> , <b>2014</b> , 53, 6968-80	3.2	25
124	From two-dimension to one-dimension: the curvature effect of silicon-doped graphene and carbon nanotubes for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17479-86	3.6	42
123	A high efficiency H <sub>2</sub> S gas sensor material: paper like Fe <sub>2</sub> O <sub>3</sub> /graphene nanosheets and structural alignment dependency of device efficiency. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6714-6717	13	79
122	Transformation of sheet structures of the amyloid peptide induced by molecular modulators. <i>Chemical Communications</i> , <b>2014</b> , 50, 8923-6	5.8	19
121	Hydrated human corneal stroma revealed by quantitative dynamic atomic force microscopy at nanoscale. <i>ACS Nano</i> , <b>2014</b> , 8, 6873-82	16.7	36
120	Quantitative biomolecular imaging by dynamic nanomechanical mapping. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 7412-29	58.5	64
119	Molecular tethering effect of C-terminus of amyloid peptide $\alpha$ B <sub>2</sub> . <i>ACS Nano</i> , <b>2014</b> , 8, 9503-10	16.7	31
118	(NH <sub>4</sub> ) <sub>4</sub> Sn <sub>2</sub> S <sub>6</sub> ·BH <sub>2</sub> O: Crystal Structure, Thermal Decomposition, and Precursor for Textured Thin Film. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4494-4504	9.6	16
117	Evidence of Stranski-Krastanov growth at the initial stage of atmospheric water condensation. <i>Nature Communications</i> , <b>2014</b> , 5, 4837	17.4	52

116	The position of hydrophobic residues tunes peptide self-assembly. <i>Soft Matter</i> , <b>2014</b> , 10, 5656-61	3.6	12
115	Facile surface functionalization of multiwalled carbon nanotubes by soft dielectric barrier discharge plasma: Generate compatible interface for lipase immobilization. <i>Biochemical Engineering Journal</i> , <b>2014</b> , 90, 16-26	4.2	23
114	Exploring the complex mechanical properties of xanthan scaffolds by AFM-based force spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 365-373	3	4
113	Identification of Cysteine-Rich Peptide-Fiber by Specific Cysteine-Au Nanoparticles Binding on Fiber Surface. <i>Advanced Materials Interfaces</i> , <b>2014</b> , 1, 1400133	4.6	5
112	The self-assembled behavior of DNA bases on the interface. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 1901-14	6.3	28
111	Microwave absorption of sandwich structure based on nanocrystalline SrFe <sub>12</sub> O <sub>19</sub> , Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> and alpha-Fe hollow microfibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2419-24	1.3	8
110	Modulating aβ3-42 peptide assembly by graphene oxide. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7236-48	4.8	64
109	One dimensional Ba <sub>x</sub> Sr <sub>1-x</sub> Fe <sub>12</sub> O <sub>19</sub> fibers with magnetic crystalline nanoparticles. <i>Materials Research Express</i> , <b>2014</b> , 1, 036106	1.7	6
108	Self-Assembly of DNA Bases via Hydrogen Bonding Studied by Scanning Tunneling Microscopy. <i>Nucleic Acids and Molecular Biology</i> , <b>2014</b> , 3-21		6
107	Self-assembly of DNA origami and single-stranded tile structures at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9219-23	16.4	44
106	Optical regulation of protein adsorption and cell adhesion by photoresponsive GaN nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 9816-22	9.5	28
105	Porous graphene sandwich/poly(vinylidene fluoride) composites with high dielectric properties. <i>Composites Science and Technology</i> , <b>2013</b> , 86, 70-75	8.6	72
104	Ag-CuFeO magnetic hollow fibers for recyclable antibacterial materials. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2719-2723	7.3	45
103	Protection and Systemic Translocation of siRNA Following Oral Administration of Chitosan/siRNA Nanoparticles. <i>Molecular Therapy - Nucleic Acids</i> , <b>2013</b> , 2, e76	10.7	52
102	Electrospun UV-responsive supramolecular nanofibers from a cyclodextrin-azobenzene inclusion complex. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 850-855	7.1	37
101	Steering supramolecular patterns by nucleobase-terminated molecules. <i>Chemical Communications</i> , <b>2013</b> , 49, 508-10	5.8	10
100	Determining the structural preferences of dimannosides through the linkage constraint and hydrogen-bonded network. <i>Computational and Theoretical Chemistry</i> , <b>2013</b> , 1010, 45-52	2	7
99	Thermal properties and nanodispersion behavior of synthesized βitosteryl acyl esters: a structure-activity relationship study. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 407, 177-86	9.3	15



98	Structural insights into the intrinsic self-assembly of Par-3 N-terminal domain. <i>Structure</i> , <b>2013</b> , 21, 997-1006	10.6	26
97	Coexistence of ribbon and helical fibrils originating from hIAPP(20-29) revealed by quantitative nanomechanical atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2798-803	11.5	83
96	Transfer of a protein pattern from self-assembled DNA origami to a functionalized substrate. <i>Chemical Communications</i> , <b>2013</b> , 49, 1927-9	5.8	21
95	Quantification of the interaction forces between metals and graphene by quantum chemical calculations and dynamic force measurements under ambient conditions. <i>ACS Nano</i> , <b>2013</b> , 7, 1646-51	16.7	60
94	Mechanical reinforcement fibers produced by gel-spinning of poly-acrylic acid (PAA) and graphene oxide (GO) composites. <i>Nanoscale</i> , <b>2013</b> , 5, 6265-9	7.7	37
93	Preparation and antibacterial activities of hollow silica-Ag spheres. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 101, 97-100	6	24
92	Bandwidth enhancement in microwave absorption of binary nanocomposite ferrites hollow microfibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 3115-20	1.3	1
91	Isothermal hybridization kinetics of DNA assembly of two-dimensional DNA origami. <i>Small</i> , <b>2013</b> , 9, 2954-9	4.9	29
90	Porous Cu/Ce-K-O nanocomposites for simultaneous removal of soot and NO(x) from diesel exhaust emission. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 2696-702	1.3	2
89	Catalytic activity of nanocrystalline porous La <sub>0.8</sub> K <sub>0.2</sub> Fe(1-x)Mn(x)O <sub>3</sub> for simultaneous removal of soot and nitrogen oxides. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 2624-31	1.3	2
88	Self-Assembly of DNA Origami and Single-Stranded Tile Structures at Room Temperature. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9389-9393	3.6	19
87	Facile synthesis of phosphatidyl saccharides for preparation of anionic nanoliposomes with enhanced stability. <i>PLoS ONE</i> , <b>2013</b> , 8, e73891	3.7	14
86	Facilitating the mechanical properties of a high-performance pH-sensitive membrane by cross-linking graphene oxide and polyacrylic acid. <i>Nanotechnology</i> , <b>2013</b> , 24, 335704	3.4	10
85	An investigation into the formation of annular aggregates of human islet amyloid polypeptide on tantalum oxide surfaces. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2493-7	4.8	5
84	Carbon/Silicon Heterojunction Formed by Inserting Carbon Nanotubes into Silicon Nanotubes: Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 23181-23187	3.8	4
83	Filamentous bacteria transport electrons over centimetre distances. <i>Nature</i> , <b>2012</b> , 491, 218-21	50.4	364
82	Scanning ion conductance microscopy studies of amyloid fibrils at nanoscale. <i>Nanoscale</i> , <b>2012</b> , 4, 3105-10	7.7	27
81	Co-assembly of human islet amyloid polypeptide (hIAPP)/insulin. <i>Chemical Communications</i> , <b>2012</b> , 48, 191-3	5.8	36

80	2D amyloid aggregation of human islet amyloid polypeptide at the solid-liquid interface. <i>Soft Matter</i> , <b>2012</b> , 8, 1616-1622	3.6	17
79	Direct visualization of transient thermal response of a DNA origami. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9844-7	16.4	63
78	Transesterification of Rapeseed Oil to Biodiesel on CaO/Fe Hollow Fiber Catalyst: Optimization by Response Surface Methodology. <i>Bioenergy Research</i> , <b>2012</b> , 5, 949-957	3.1	16
77	Observation of molecular inhibition and binding structures of amyloid peptides. <i>Nanoscale</i> , <b>2012</b> , 4, 1895-909	7.7	34
76	CO oxidation over graphene supported palladium catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 125, 189-196	21.8	192
75	Theoretical approaches to graphene and graphene-based materials. <i>Nano Today</i> , <b>2012</b> , 7, 180-200	17.9	109
74	Modulation of fibrillation of hIAPP core fragments by chemical modification of the peptide backbone. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 274-85	4	14
73	2D-oriented self-assembly of peptides induced by hydrated electrons. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14614-7	4.8	24
72	Enhanced catalytic activity of lipase encapsulated in PCL nanofibers. <i>Langmuir</i> , <b>2012</b> , 28, 6157-62	4	38
71	Direct force producing uniform ultra-thin chitosan films by atomic force microscopy. <i>RSC Advances</i> , <b>2012</b> , 2, 2732	3.7	6
70	Enhancement of biological activities of nanostructured hydrophobic drug species. <i>Nanoscale</i> , <b>2012</b> , 4, 2078-82	7.7	20
69	Chitosan/siRNA nanoparticles encapsulated in PLGA nanofibers for siRNA delivery. <i>ACS Nano</i> , <b>2012</b> , 6, 4835-44	16.7	167
68	Safe and Effective Ag Nanoparticles Immobilized Antimicrobial NanoNonwovens. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, B240-B246	3.5	25
67	Collagen coated tantalum substrate for cell proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 95, 10-5	6	14
66	Migration of point defects and a defect pair in zinc oxide using the dimer method. <i>Journal of Materials Research</i> , <b>2012</b> , 27, 2241-2248	2.5	6
65	Mixed poly (ethylene glycol) and oligo (ethylene glycol) layers on gold as nonfouling surfaces created by backfilling. <i>Biointerphases</i> , <b>2011</b> , 6, 180-8	1.8	22
64	A revertible, autonomous, self-assembled DNA-origami nanoactuator. <i>Nano Letters</i> , <b>2011</b> , 11, 5449-54	11.5	45
63	Unique double-shelled hollow silica microspheres: template-guided self-assembly, tunable pore size, high thermal stability, and their application in removal of neutral red. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 19124		32

62	The role of self-assembling polypeptides in building nanomaterials. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17435-44	3.6	61
61	Influence of hydrophobicity on the surface-catalyzed assembly of the islet amyloid polypeptide. <i>ACS Nano</i> , <b>2011</b> , 5, 2770-8	16.7	59
60	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. <i>Nanoscale</i> , <b>2011</b> , 3, 4966-71	7.7	64
59	Opportunities and challenges for biodiesel fuel. <i>Applied Energy</i> , <b>2011</b> , 88, 1020-1031	10.7	477
58	Control of self-assembled 2D nanostructures by methylation of guanine. <i>Small</i> , <b>2011</b> , 7, 939-49	11	18
57	Single molecule microscopy methods for the study of DNA origami structures. <i>Microscopy Research and Technique</i> , <b>2011</b> , 74, 688-98	2.8	19
56	Engineered morphologies of layered double hydroxide nanoarchitected shell microspheres and their calcined products. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 2157-2163	4.4	21
55	Building layer-by-layer 3D supramolecular nanostructures at the terephthalic acid/stearic acid interface. <i>Chemical Communications</i> , <b>2011</b> , 47, 9155-7	5.8	11
54	Building the first hydration shell of deprotonated glycine by the MCM and ab initio methods. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6213-21	3.4	14
53	A nanomechanical interface to rapid single-molecule interactions. <i>Nature Communications</i> , <b>2011</b> , 2, 247	17.4	57
52	Oriented growth of single NaCl (100) crystal induced by Langmuir-Blodgett film. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 230-235	2.5	2
51	Tuning the hydrophobicity of mica surfaces by hyperthermal Ar ion irradiation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 104705	3.9	30
50	A novel L-ficolin/mannose-binding lectin chimeric molecule with enhanced activity against Ebola virus. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 24729-39	5.4	48
49	Morphologies, Preparations and Applications of Layered Double Hydroxide Micro-/Nanostructures. <i>Materials</i> , <b>2010</b> , 3, 5220-5235	3.5	108
48	Chitosan/siRNA nanoparticles biofunctionalize nerve implants and enable neurite outgrowth. <i>Nano Letters</i> , <b>2010</b> , 10, 3933-9	11.5	76
47	A novel secondary DNA binding site in human topoisomerase I unravelled by using a 2D DNA origami platform. <i>ACS Nano</i> , <b>2010</b> , 4, 5969-77	16.7	30
46	Bioresponsive hyperbranched polymers for siRNA and miRNA delivery. <i>Journal of Drug Targeting</i> , <b>2010</b> , 18, 812-20	5.4	41
45	DNA-templated covalent coupling of G4 PAMAM dendrimers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 18054-6	16.4	52

44	Different factors Effect on the SWNT-fluorocarbon resin interaction: A MD simulation study. <i>Computational Materials Science</i> , <b>2010</b> , 49, 148-157	3.2	21
43	Thermo-Responsive Core-Shell Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4214-4221	9.6	107
42	Fabrication and Wettability of Colloidal Layered Double Hydroxide-Containing PVA Electrospun Nanofibrous Mats. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 5610-5615	3.9	15
41	Two-dimensional network stability of nucleobases and amino acids on graphite under ambient conditions: adenine, L-serine and L-tyrosine. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 3616-21	3.6	15
40	Long-range electron transfer in recombinant peroxidases anisotropically orientated on gold electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 10098-107	3.6	36
39	Room-temperature high-sensitivity detection of ammonia gas using the capacitance of carbon/silicon heterojunctions. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 288	35.4	46
38	The point-defect of carbon nanotubes anchoring Au nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2010</b> , 42, 1746-1750	3	15
37	Fabrication of carbon nanoscrolls from monolayer graphene. <i>Small</i> , <b>2010</b> , 6, 2010-9	11	113
36	Laser-induced aligned self-assembly on water surfaces. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 144704	3.9	16
35	Exploring the transferability of large supramolecular assemblies to the vacuum-solid interface. <i>Nano Research</i> , <b>2009</b> , 2, 535-542	10	10
34	Self-assembly of a nanoscale DNA box with a controllable lid. <i>Nature</i> , <b>2009</b> , 459, 73-6	50.4	1247
33	Determination of protein structural flexibility by microsecond force spectroscopy. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 514-7	28.7	122
32	Structure of the HIV-1 Rev response element alone and in complex with regulator of virion (Rev) studied by atomic force microscopy. <i>FEBS Journal</i> , <b>2009</b> , 276, 4223-32	5.7	22
31	Two-dimensional scaffold layer formations on a solid surface through xanthan polysaccharide: temperature effect. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 74, 136-9	6	4
30	Influence of tunable external stimuli on the self-assembly of guanosine supramolecular nanostructures studied by atomic force microscope. <i>Langmuir</i> , <b>2009</b> , 25, 13432-7	4	12
29	Chemical Modification: an Effective Way of Avoiding the Collapse of SWNTs on Al Surface Revealed by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14747-14752	3.8	19
28	Point-Defect Mediated Bonding of Pt Clusters on (5,5) Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 890-893	3.8	55
27	Using a hydrazone-protected benzenediazonium salt to introduce a near-monolayer of benzaldehyde on glassy carbon surfaces. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4928-36	16.4	76

26	The core/shell composite nanowires produced by self-scrolling carbon nanotubes onto copper nanowires. <i>ACS Nano</i> , <b>2009</b> , 3, 2235-40	16.7	72
25	Self-assembly of artificial nucleobase 1H-benzimidazole-4,7-dione at the liquid/solid interface. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 8675-81	3.4	9
24	DNA origami design of dolphin-shaped structures with flexible tails. <i>ACS Nano</i> , <b>2008</b> , 2, 1213-8	16.7	220
23	Two-dimensional supramolecular nanopatterns formed by the coadsorption of guanine and uracil at the liquid/solid interface. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 695-702	16.4	67
22	Influence of alkyl side chains on hydrogen-bonded molecular surface nanostructures. <i>Small</i> , <b>2008</b> , 4, 1620-3	11	25
21	Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. <i>Journal of Gene Medicine</i> , <b>2008</b> , 10, 81-93	3.5	41
20	AFM-based force spectroscopy measurements of mature amyloid fibrils of the peptide glucagon. <i>Nanotechnology</i> , <b>2008</b> , 19, 384013	3.4	31
19	Self-organization of gold-containing hydrogen-bonded rosette assemblies on graphite surface. <i>Langmuir</i> , <b>2007</b> , 23, 10294-8	4	13
18	Enhanced stability of large molecules vacuum-sublimated onto Au(111) achieved by incorporation of coordinated Au-atoms. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10624-5	16.4	9
17	Electrochemical approach for constructing a monolayer of thiophenolates from grafted multilayers of diaryl disulfides. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1888-9	16.4	98
16	Coexistence of homochiral and heterochiral adenine domains at the liquid/solid interface. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 12048-52	3.4	47
15	Quartz crystal microbalance studies of multilayer glucagon fibrillation at the solid-liquid interface. <i>Biophysical Journal</i> , <b>2007</b> , 93, 2162-9	2.9	79
14	Temporal Assembly of Collagen Type II Studied by Atomic Force Microscopy. <i>Advanced Engineering Materials</i> , <b>2007</b> , 9, 1129-1133	3.5	14
13	The influence of polymeric properties on chitosan/siRNA nanoparticle formulation and gene silencing. <i>Biomaterials</i> , <b>2007</b> , 28, 1280-8	15.6	339
12	Nanocarrier stimuli-activated gene delivery. <i>Small</i> , <b>2007</b> , 3, 54-7	11	47
11	Cyanuric acid and melamine on Au111: structure and energetics of hydrogen-bonded networks. <i>Small</i> , <b>2007</b> , 3, 854-8	11	103
10	Conformational changes in mannan-binding lectin bound to ligand surfaces. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3016-22	5.3	52
9	Visualization of thermally activated nanocarriers using in situ atomic force microscopy. <i>Nanotechnology</i> , <b>2007</b> , 18, 185501	3.4	3

8	Direct force measurements between siRNA and chitosan molecules using force spectroscopy. <i>Biophysical Journal</i> , <b>2007</b> , 93, 952-9	2.9	41
7	AFM study of glucagon fibrillation via oligomeric structures resulting in interwoven fibrils. <i>Nanotechnology</i> , <b>2006</b> , 17, 4003-9	3.4	49
6	Supramolecular nanopatterns self-assembled by adenine-thymine quartets at the liquid/solid interface. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13305-11	16.4	91
5	Coadsorption of guanine and cytosine on graphite: ordered structure based on GC pairing. <i>Nano Letters</i> , <b>2006</b> , 6, 1434-8	11.5	79
4	Nucleophilic and electrophilic displacements on covalently modified carbon: introducing 4,4'-bipyridinium on grafted glassy carbon electrodes. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 659	3.6	35
3	Ultrathin Anion Conductors Based Memristor. <i>Advanced Electronic Materials</i> , 2100845	6.4	5
2	Origin of friction hysteresis on monolayer graphene. <i>Friction</i> , 1	5.6	3
1	Emerging polymeric biomaterials and manufacturing techniques in regenerative medicine. <i>Aggregate</i> ,	22.9	1