

Tao Chen

List of Publications by Citations

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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.

386
papers

14,112
citations

63
h-index

102
g-index

406
ext. papers

17,444
ext. citations

7.7
avg, IF

7
L-index

#	Paper	IF	Citations
386	Temperature dependence of graphene oxide reduced by hydrazine hydrate. <i>Nanotechnology</i> , 2011 , 22, 055705	3.4	495
385	Organic/Inorganic Hybrid Hollow Spheres Prepared from TiO ₂ -Stabilized Pickering Emulsion Polymerization. <i>Advanced Materials</i> , 2007 , 19, 2286-2289	24	332
384	Stimulus-responsive polymer brushes on surfaces: Transduction mechanisms and applications. <i>Progress in Polymer Science</i> , 2010 , 35, 94-112	29.6	316
383	Supramolecular shape memory hydrogels: a new bridge between stimuli-responsive polymers and supramolecular chemistry. <i>Chemical Society Reviews</i> , 2017 , 46, 1284-1294	58.5	285
382	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2016 , 88, 2149-55	7.8	277
381	A Hierarchically Nanostructured Composite of MnO ₂ /Conjugated Polymer/Graphene for High-Performance Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2011 , 1, 736-741	21.8	255
380	Bioinspired Anisotropic Hydrogel Actuators with On/Off Switchable and Color-Tunable Fluorescence Behaviors. <i>Advanced Functional Materials</i> , 2018 , 28, 1704568	15.6	252
379	Janus polymer/carbon nanotube hybrid membranes for oil/water separation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16204-9	9.5	236
378	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. <i>ACS Nano</i> , 2017 , 11, 3841-3850	16.7	229
377	Recent Progress in Biomimetic Anisotropic Hydrogel Actuators. <i>Advanced Science</i> , 2019 , 6, 1801584	13.6	214
376	Dual-drug delivery system based on hydrogel/micelle composites. <i>Biomaterials</i> , 2009 , 30, 2606-13	15.6	210
375	Patterned polymer brushes. <i>Chemical Society Reviews</i> , 2012 , 41, 3280-96	58.5	184
374	Controlled assembly of eccentrically encapsulated gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11858-9	16.4	182
373	Functionalization of Biodegradable PLA Nonwoven Fabric as Superoleophilic and Superhydrophobic Material for Efficient Oil Absorption and Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5968-5973	9.5	180
372	CO ₂ and temperature dual responsive "Smart" MXene phases. <i>Chemical Communications</i> , 2015 , 51, 314-5.8	7.8	174
371	Hotspot-induced transformation of surface-enhanced Raman scattering fingerprints. <i>ACS Nano</i> , 2010 , 4, 3087-94	16.7	172
370	Robust preparation of superhydrophobic polymer/carbon nanotube hybrid membranes for highly effective removal of oils and separation of water-in-oil emulsions. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15268	13	168

369	A Multiresponsive Anisotropic Hydrogel with Macroscopic 3D Complex Deformations. <i>Advanced Functional Materials</i> , 2016 , 26, 8670-8676	15.6	153
368	Drug releasing behavior of hybrid micelles containing polypeptide triblock copolymer. <i>Biomaterials</i> , 2009 , 30, 108-17	15.6	153
367	Self-healable macro-/microscopic shape memory hydrogels based on supramolecular interactions. <i>Chemical Communications</i> , 2014 , 50, 12277-80	5.8	145
366	Bioinspired Synergistic Fluorescence-Color-Switchable Polymeric Hydrogel Actuators. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16243-16251	16.4	136
365	Triboelectric nanogenerator sensors for soft robotics aiming at digital twin applications. <i>Nature Communications</i> , 2020 , 11, 5381	17.4	133
364	Mimosa inspired bilayer hydrogel actuator functioning in multi-environments. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1320-1327	7.1	125
363	Triboelectric Self-Powered Wearable Flexible Patch as 3D Motion Control Interface for Robotic Manipulator. <i>ACS Nano</i> , 2018 , 12, 11561-11571	16.7	118
362	Network cracks-based wearable strain sensors for subtle and large strain detection of human motions. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5140-5147	7.1	114
361	A Universal high accuracy wearable pulse monitoring system via high sensitivity and large linearity graphene pressure sensor. <i>Nano Energy</i> , 2019 , 59, 422-433	17.1	113
360	pH- and sugar-induced shape memory hydrogel based on reversible phenylboronic acid-diol ester bonds. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 533-7	4.8	109
359	A fast chemical approach towards SbS film with a large grain size for high-performance planar heterojunction solar cells. <i>Nanoscale</i> , 2017 , 9, 3386-3390	7.7	108
358	Stretchable supramolecular hydrogels with triple shape memory effect. <i>Chemical Science</i> , 2016 , 7, 6715-6720	7.2	107
357	Trends in polymeric shape memory hydrogels and hydrogel actuators. <i>Polymer Chemistry</i> , 2019 , 10, 10364-10355	4.9	102
356	Pickering stabilization as a tool in the fabrication of complex nanopatterned silica microcapsules. <i>Langmuir</i> , 2007 , 23, 9527-30	4	92
355	Hierarchical Flowerlike Gold Nanoparticles Labeled Immunochromatography Test Strip for Highly Sensitive Detection of Escherichia coli O157:H7. <i>Langmuir</i> , 2015 , 31, 5537-44	4	91
354	Solution-Processable Ionic Liquid as an Independent or Modifying Electron Transport Layer for High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34464-34473	9.5	90
353	Light-triggered reversible self-assembly of gold nanoparticle oligomers for tunable SERS. <i>Langmuir</i> , 2015 , 31, 1164-71	4	90
352	Polymeric and biomacromolecular brush nanostructures: progress in synthesis, patterning and characterization. <i>Soft Matter</i> , 2008 , 4, 1774	3.6	90

351	Underwater superoleophobic carbon nanotubes/core-shell polystyrene@Au nanoparticles composite membrane for flow-through catalytic decomposition and oil/water separation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10810-10815	13	90
350	ATRP with a light switch: photoinduced ATRP using a household fluorescent lamp. <i>Polymer Chemistry</i> , 2014 , 5, 4790-4796	4.9	89
349	Bivalve Shell: Not an Abundant Useless Waste but a Functional and Versatile Biomaterial. <i>Critical Reviews in Environmental Science and Technology</i> , 2014 , 44, 2502-2530	11.1	88
348	Polymeric micelles formed by polypeptide graft copolymer and its mixtures with polypeptide block copolymer. <i>Polymer</i> , 2006 , 47, 4485-4489	3.9	87
347	CRISPR-Cas9 Targeting of PCSK9 in Human Hepatocytes In Vivo-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 783-6	9.4	85
346	Biomimetic anti-freezing polymeric hydrogels: keeping soft-wet materials active in cold environments. <i>Materials Horizons</i> , 2021 , 8, 351-369	14.4	85
345	Bioinspired Self-Healing Human-Machine Interactive Touch Pad with Pressure-Sensitive Adhesiveness on Targeted Substrates. <i>Advanced Materials</i> , 2020 , 32, e2004290	24	83
344	3D Fluorescent Hydrogel Origami for Multistage Data Security Protection. <i>Advanced Functional Materials</i> , 2019 , 29, 1905514	15.6	83
343	High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. <i>Chemistry of Materials</i> , 2018 , 30, 4343-4354	9.6	80
342	Controlled functionalization of carbon nanotubes as superhydrophobic material for adjustable oil/water separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4124-4128	13	77
341	Self-Assembly of Poly(Benzyl L-glutamate)-graft-Poly(ethylene glycol) and Its Mixtures with Poly(Benzyl L-glutamate) Homopolymer. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 1241-1246	4.8	77
340	Mussel-inspired multifunctional supramolecular hydrogels with self-healing, shape memory and adhesive properties. <i>Polymer Chemistry</i> , 2016 , 7, 5343-5346	4.9	76
339	Fe-, pH-, Thermoresponsive Supramolecular Hydrogel with Multishape Memory Effect. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9038-9044	9.5	73
338	Actuating and memorizing bilayer hydrogels for a self-deformed shape memory function. <i>Chemical Communications</i> , 2018 , 54, 1229-1232	5.8	72
337	Light-Controlled Shrinkage of Large-Area Gold Nanoparticle Monolayer Film for Tunable SERS Activity. <i>Chemistry of Materials</i> , 2018 , 30, 1989-1997	9.6	71
336	Bright and sensitive ratiometric fluorescent probe enabling endogenous FA imaging and mechanistic exploration of indirect oxidative damage due to FA in various living systems. <i>Chemical Science</i> , 2017 , 8, 7851-7861	9.4	70
335	Bimetallic Au/Ag Core-Shell Superstructures with Tunable Surface Plasmon Resonance in the Near-Infrared Region and High Performance Surface-Enhanced Raman Scattering. <i>Langmuir</i> , 2017 , 33, 5378-5384	4	69
334	A multi-responsive hydrogel with a triple shape memory effect based on reversible switches. <i>Chemical Communications</i> , 2016 , 52, 13292-13295	5.8	69

333	Super-helices self-assembled from a binary system of amphiphilic polypeptide block copolymers and polypeptide homopolymers. <i>Chemical Communications</i> , 2009 , 2709-11	5.8	69
332	Glucose-responsive polymer brushes for microcantilever sensing. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3391		68
331	Successive surface engineering of TiO ₂ compact layers via dual modification of fullerene derivatives affording hysteresis-suppressed high-performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1724-1733	13	67
330	Thermoelectric Bi ₂ Te ₃ -improved charge collection for high-performance dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2012 , 5, 6294-6298	35.4	67
329	Selenium-Graded Sb ₂ (S _{1-x} Se _x) ₃ for Planar Heterojunction Solar Cell Delivering a Certified Power Conversion Efficiency of 5.71%. <i>Solar Rrl</i> , 2017 , 1, 1700017	7.1	66
328	Optical nanoimaging for block copolymer self-assembly. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2436-9	16.4	66
327	The biocompatibility of titanium cardiovascular devices seeded with autologous blood-derived endothelial progenitor cells: EPC-seeded antithrombotic Ti implants. <i>Biomaterials</i> , 2011 , 32, 10-8	15.6	66
326	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3068-3079	9.5	66
325	Tunable wettability in surface-modified ZnO-based hierarchical nanostructures. <i>Applied Physics Letters</i> , 2008 , 92, 173104	3.4	65
324	A scalable, low-cost and robust photo-thermal fabric with tunable and programmable 2D/3D structures towards environmentally adaptable liquid/solid-medium water extraction. <i>Nano Energy</i> , 2019 , 65, 104002	17.1	63
323	Study on the Electrochemical Behavior of Poly(ferrocenylsilane) Films. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5627-5633	3.4	62
322	Crystallinity and defect state engineering in organo-lead halide perovskite for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3806-3812	13	60
321	Tough and Fatigue Resistant Biomimetic Hydrogels of Interlaced Self-Assembled Conjugated Polymer Belts with a Polyelectrolyte Network. <i>Chemistry of Materials</i> , 2014 , 26, 3522-3529	9.6	59
320	Nanoparticle-Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800337	4.8	58
319	The influence of seeding conditions and shielding gas atmosphere on the synthesis of silver nanowires through the polyol process. <i>Nanotechnology</i> , 2006 , 17, 466-474	3.4	57
318	Nanozyme-based lateral flow assay for the sensitive detection of Escherichia coli O157:H7 in milk. <i>Journal of Dairy Science</i> , 2018 , 101, 5770-5779	4	55
317	A smart hybrid system of Au nanoparticle immobilized PDMAEMA brushes for thermally adjustable catalysis. <i>Chemical Communications</i> , 2014 , 50, 1212-4	5.8	55
316	Tough and biocompatible hydrogels based on in situ interpenetrating networks of dithiol-connected graphene oxide and poly(vinyl alcohol). <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3003-8	9.5	55

315	Micelle formation and drug release behavior of polypeptide graft copolymer and its mixture with polypeptide block copolymer. <i>International Journal of Pharmaceutics</i> , 2007 , 336, 49-57	6.5	55
314	Nonconjugated Polymer Poly(vinylpyrrolidone) as an Efficient Interlayer Promoting Electron Transport for Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32957-32964	9.5	54
313	Asymmetric elastoplasticity of stacked graphene assembly actualizes programmable untethered soft robotics. <i>Nature Communications</i> , 2020 , 11, 4359	17.4	54
312	Acetate Salts as Nonhalogen Additives To Improve Perovskite Film Morphology for High-Efficiency Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15333-40	9.5	53
311	Mechanical Robust and Self-Healable Supramolecular Hydrogel. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 265-70	4.8	53
310	A Urease-Containing Fluorescent Hydrogel for Transient Information Storage. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3640-3646	16.4	53
309	Self-Diffusion Driven Ultrafast Detection of ppm-Level Nitroaromatic Pollutants in Aqueous Media Using a Hydrophilic Fluorescent Paper Sensor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23884-23893	8.5	52
308	Ultrastable tetraphenyl-p-phenylenediamine-based covalent organic frameworks as platforms for high-performance electrochemical supercapacitors. <i>Chemical Communications</i> , 2019 , 55, 14890-14893	5.8	52
307	Multicolor Fluorescent Polymeric Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8608-8624	16.4	52
306	Giant Gold Nanowire Vesicle-Based Colorimetric and SERS Dual-Mode Immunosensor for Ultrasensitive Detection of <i>Vibrio parahaemolyticus</i> . <i>Analytical Chemistry</i> , 2018 , 90, 6124-6130	7.8	51
305	A remarkable sensitivity enhancement in a gold nanoparticle-based lateral flow immunoassay for the detection of <i>Escherichia coli</i> O157:H7. <i>RSC Advances</i> , 2015 , 5, 45092-45097	3.7	51
304	Collective behaviors mediated multifunctional black sand aggregate towards environmentally adaptive solar-to-thermal purified water harvesting. <i>Nano Energy</i> , 2020 , 68, 104311	17.1	51
303	Exploring interface confined water flow and evaporation enables solar-thermal-electro integration towards clean water and electricity harvest via asymmetric functionalization strategy. <i>Nano Energy</i> , 2020 , 68, 104385	17.1	51
302	Controllably self-assembled graphene-supported Au@Pt bimetallic nanodendrites as superior electrocatalysts for methanol oxidation in direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7352-7364	13	51
301	Robust construction of underwater superoleophobic CNTs/nanoparticles multifunctional hybrid membranes via interception effect for oily wastewater purification. <i>Journal of Membrane Science</i> , 2019 , 569, 32-40	9.6	51
300	Wafer-scale synthesis of defined polymer brushes under ambient conditions. <i>Polymer Chemistry</i> , 2015 , 6, 8176-8183	4.9	50
299	Direct solution deposition of device quality Sb ₂ S ₃ -xSex films for high efficiency solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 183, 52-58	6.4	49
298	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CH ₃ NH ₃ PbI ₃ to Phase-Pure CH ₃ NH ₃ PbCl via Hydrochloric Acid Vapor Annealing Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1897-1908	9.5	49

297	Biodegradable PLA Nonwoven Fabric with Controllable Wettability for Efficient Water Purification and Photocatalysis Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2445-2452	8.3	49
296	Highly Efficient Actuator of Graphene/Polydopamine Uniform Composite Thin Film Driven by Moisture Gradients. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600169	4.6	49
295	Electric field induced structural color changes of SiO ₂ @TiO ₂ core-shell colloidal suspensions. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1990	7.1	49
294	Micro-/Macroscopically Synergetic Control of Switchable 2D/3D Photothermal Water Purification Enabled by Robust, Portable, and Cost-Effective Cellulose Papers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15498-15506	9.5	48
293	Self-assembly and photo-responsive behavior of novel ABC ₂ -type block copolymers containing azobenzene moieties. <i>Soft Matter</i> , 2012 , 8, 3131	3.6	48
292	Effect of silver nanowires on electrical conductance of system composed of silver particles. <i>Journal of Materials Science</i> , 2007 , 42, 3172-3176	4.3	48
291	Ultrafast Formation of Free-Standing 2D Carbon Nanotube Thin Films through Capillary Force Driving Compression on an Air/Water Interface. <i>Chemistry of Materials</i> , 2016 , 28, 7125-7133	9.6	47
290	A Hollow Microtubular Triazine- and Benzobisoxazole-Based Covalent Organic Framework Presenting Sponge-Like Shells That Functions as a High-Performance Supercapacitor. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1429-1435	4.5	45
289	Rationally Optimized Fluorescent Probe for Imaging Mitochondrial SO in HeLa Cells and Zebrafish. <i>Analytical Chemistry</i> , 2018 , 90, 12442-12448	7.8	43
288	Application of an efficient strategy based on liquid-liquid extraction, high-speed counter-current chromatography, and preparative HPLC for the rapid enrichment, separation, and purification of four anthraquinones from <i>Rheum tanguticum</i> . <i>Journal of Separation Science</i> , 2014 , 37, 165-70	3.4	41
287	Study on attachment of highly branched molecules onto multiwalled carbon nanotubes. <i>Materials Letters</i> , 2005 , 59, 2085-2089	3.3	41
286	Multifunctional Polyhedral Oligomeric Silsesquioxane (POSS) Based Hybrid Porous Materials for CO Uptake and Iodine Adsorption. <i>Polymers</i> , 2021 , 13,	4.5	41
285	Converting Pomelo Peel into Eco-friendly and Low-Consumption Photothermic Biomass Sponge toward Multifunctional Solar-to-Heat Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5328-5337	8.3	40
284	Recent advances of wearable and flexible piezoresistivity pressure sensor devices and its future prospects. <i>Journal of Materiomics</i> , 2020 , 6, 86-101	6.7	40
283	Electrochemical behavior of poly(ferrocenyldimethylsilane-b-dimethylsiloxane) films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4624-30	3.4	40
282	A self-protective, reproducible textile sensor with high performance towards human-machine interactions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26631-26640	13	40
281	Ultrafast and Efficient Detection of Formaldehyde in Aqueous Solutions Using Chitosan-based Fluorescent Polymers. <i>ACS Sensors</i> , 2018 , 3, 2394-2401	9.2	40
280	pH and Thermo Dual-Responsive Fluorescent Hydrogel Actuator. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800648	4.8	39

279	2D Janus Hybrid Materials of Polymer-Grafted Carbon Nanotube/Graphene Oxide Thin Film as Flexible, Miniature Electric Carpet. <i>Advanced Functional Materials</i> , 2015 , 25, 2428-2435	15.6	38
278	Entanglement-Driven Adhesion, Self-Healing, and High Stretchability of Double-Network PEG-Based Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36458-36468	9.5	37
277	Tillandsia-Inspired Hygroscopic Photothermal Organogels for Efficient Atmospheric Water Harvesting. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19237-19246	16.4	37
276	Enhancing cycle stability and storage property of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ by using fast cooling method. <i>Electrochimica Acta</i> , 2017 , 227, 225-234	6.7	36
275	A Novel Anisotropic Hydrogel with Integrated Self-Deformation and Controllable Shape Memory Effect. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800019	4.8	36
274	A microcontact printing induced supramolecular self-assembled photoactive surface for patterning polymer brushes. <i>Chemical Communications</i> , 2013 , 49, 11167-9	5.8	35
273	Fabrication of Micropatterned Stimulus-Responsive Polymer-Brush "Anemone" <i>Advanced Materials</i> , 2009 , 21, 1825-1829	24	35
272	Macroscopic self-assembly of hyperbranched polyesters. <i>Polymer</i> , 2006 , 47, 12-17	3.9	35
271	Preparation and characterization of dendritic silver nanoparticles. <i>Journal of Materials Science</i> , 2005 , 40, 1681-1683	4.3	35
270	Construction of superhydrophilic and under-water superoleophobic carbon-based membranes for water purification. <i>RSC Advances</i> , 2016 , 6, 73399-73403	3.7	35
269	UV light-initiated RAFT polymerization induced self-assembly. <i>Polymer Chemistry</i> , 2015 , 6, 6129-6132	4.9	34
268	Synthesis and self-assembly of poly(benzyl ether)-b-poly(methyl methacrylate) dendritic-linear polymers. <i>Polymer</i> , 2005 , 46, 81-87	3.9	34
267	Antifreezing and Stretchable Organohydrogels as Soft Actuators. <i>Research</i> , 2019 , 2019, 2384347	7.8	34
266	Heteroporous bifluorenylidene-based covalent organic frameworks displaying exceptional dye adsorption behavior and high energy storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25148-25155	13	33
265	Polymer brush functionalized Janus graphene oxide/chitosan hybrid membranes. <i>RSC Advances</i> , 2014 , 4, 22759	3.7	33
264	Site-selective localization of analytes on gold nanorod surface for investigating field enhancement distribution in surface-enhanced Raman scattering. <i>Nanoscale</i> , 2011 , 3, 1575-81	7.7	33
263	Synthesis and self-assembly behavior of amphiphilic polypeptide-based brush-coil block copolymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5967-5978	2.5	33
262	Synthesis and self-assembly of amphiphilic maleic anhydride- β -tearyl methacrylate copolymer. <i>Polymer</i> , 2005 , 46, 11157-11164	3.9	33

261	Engineering Gold Nanoparticles in Compass Shape with Broadly Tunable Plasmon Resonances and High-Performance SERS. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27949-27955	9.5	33
260	Thalia dealbata Inspired Anisotropic Cellular Biomass Derived Carbonaceous Aerogel. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 17152-17159	8.3	32
259	Hydrophilic/Hydrophobic Interphase-Mediated Bubble-like Stretchable Janus Ultrathin Films toward Self-Adaptive and Pneumatic Multifunctional Electronics. <i>ACS Nano</i> , 2019 , 13, 4368-4378	16.7	31
258	Humidity-Responsive Gold Aerogel for Real-Time Monitoring of Human Breath. <i>Langmuir</i> , 2018 , 34, 4908-4913	14.9	31
257	Aggregation-Caused Quenching-Type Naphthalimide Fluorophores Grafted and Ionized in a 3D Polymeric Hydrogel Network for Highly Fluorescent and Locally Tunable Emission. <i>ACS Macro Letters</i> , 2019 , 8, 937-942	6.6	31
256	Micro-contact printing of graphene oxide nanosheets for fabricating patterned polymer brushes. <i>Chemical Communications</i> , 2014 , 50, 7103-6	5.8	31
255	Fluorescent Hydrogel-Coated Paper/Textile as Flexible Chemosensor for Visual and Wearable Mercury(II) Detection. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800201	6.8	31
254	Macroscopic two-dimensional monolayer films of gold nanoparticles: fabrication strategies, surface engineering and functional applications. <i>Nanoscale</i> , 2020 , 12, 7433-7460	7.7	30
253	Promotion of Color-Changing Luminescent Hydrogels from Thermo to Electrical Responsiveness toward Biomimetic Skin Applications. <i>ACS Nano</i> , 2021 , 15, 10415-10427	16.7	30
252	Ionoprinting controlled information storage of fluorescent hydrogel for hierarchical and multi-dimensional decryption. <i>Science China Materials</i> , 2019 , 62, 831-839	7.1	28
251	Tuning self-assembly and photo-responsive behavior of azobenzene-containing triblock copolymers by combining homopolymers. <i>Nanotechnology</i> , 2013 , 24, 085602	3.4	28
250	Preparation of nano-polyethylene fibers and floccules using MCM-41-supported metallocene catalytic system under atmospheric pressure. <i>European Polymer Journal</i> , 2005 , 41, 797-803	5.2	28
249	Temperature-, pH- and CO ₂ -Sensitive Poly(N-isopropylacrylamide-co-acrylic acid) Copolymers with High Glass Transition Temperatures. <i>Polymers</i> , 2016 , 8,	4.5	28
248	A fully hydrophobic ionogel enables highly efficient wearable underwater sensors and communicators. <i>Materials Horizons</i> , 2021 , 8, 2761-2770	14.4	28
247	Hollow Au-Ag Nanoparticles Labeled Immunochromatography Strip for Highly Sensitive Detection of Clenbuterol. <i>Scientific Reports</i> , 2017 , 7, 41419	4.9	27
246	Amplifying the signal of localized surface plasmon resonance sensing for the sensitive detection of Escherichia coli O157:H7. <i>Scientific Reports</i> , 2017 , 7, 3288	4.9	27
245	Separation of three anthraquinone glycosides including two isomers by preparative high-performance liquid chromatography and high-speed countercurrent chromatography from <i>Rheum tanguticum</i> Maxim. ex Balf. <i>Journal of Separation Science</i> , 2016 , 39, 3105-12	3.4	27
244	Actuating Supramolecular Shape Memorized Hydrogel Toward Programmable Shape Deformation. <i>Small</i> , 2020 , 16, e2005461	11	26

243	Gelatin Nanoparticle-Injectable Platelet-Rich Fibrin Double Network Hydrogels with Local Adaptability and Bioactivity for Enhanced Osteogenesis. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901469	10.1	26
242	Macroscopic Ultrathin Film as Bio-Inspired Interfacial Reactor for Fabricating 2D Freestanding Janus CNTs/AuNPs Hybrid Nanosheets with Enhanced Electrical Performance. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600170	4.6	26
241	Aggregation-induced emission of tetraphenylethylene-modified polyethyleneimine for highly selective CO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2016 , 228, 551-556	8.5	26
240	Dynamic microcontact printing for patterning polymer-brush microstructures. <i>Small</i> , 2011 , 7, 2148-52	11	26
239	Preparation of gold nanoparticles in the presence of poly(benzyl ether) alcohol dendrons. <i>Materials Chemistry and Physics</i> , 2006 , 98, 76-82	4.4	26
238	pH and Temperature Dual-Responsive Plasmonic Switches of Gold Nanoparticle Monolayer Film for Multiple Anticounterfeiting. <i>Langmuir</i> , 2018 , 34, 13047-13056	4	26
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