

Andreas Fery

List of Publications by Year in descending order

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309
papers

13,316
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20817

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93
g-index

317
all docs

317
docs citations

317
times ranked

14962
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinodal Dewetting in Liquid Crystal and Liquid Metal Films. , 1998, 282, 916-919.		517
2	Adhesion and Mechanical Properties of PNIPAM Microgel Films and Their Potential Use as Switchable Cell Culture Substrates. Advanced Functional Materials, 2010, 20, 3235-3243.	14.9	329
3	Wafer-sized multifunctional polyimine-based two-dimensional conjugated polymers with high mechanical stiffness. Nature Communications, 2016, 7, 13461.	12.8	283
4	Intelligent micro- and nanocapsules. Progress in Polymer Science, 2005, 30, 885-897.	24.7	262
5	Nanoporous Thin Films Formed by Salt-Induced Structural Changes in Multilayers of Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	243
6	Self-Assembly and Cross-Linking of Bionanoparticles at Liquid-Liquid Interfaces. Angewandte Chemie - International Edition, 2005, 44, 2420-2426.	13.8	238
7	Mechanical properties of micro- and nanocapsules: Single-capsule measurements. Polymer, 2007, 48, 7221-7235.	3.8	234
8	Controlled wrinkling as a novel method for the fabrication of patterned surfaces. Mikrochimica Acta, 2009, 165, 249-263.	5.0	201
9	Elastic properties of polyelectrolyte capsules studied by atomic-force microscopy and RICM. European Physical Journal E, 2003, 12, 215-221.	1.6	187
10	Stiffnessâ€Dependent In Vitro Uptake and Lysosomal Acidification of Colloidal Particles. Angewandte Chemie - International Edition, 2015, 54, 1365-1368.	13.8	169
11	Strongly Coupled Plasmonic Modes on Macroscopic Areas via Template-Assisted Colloidal Self-Assembly. Nano Letters, 2014, 14, 6863-6871.	9.1	162
12	Colloidally Stable and Surfactant-Free Protein-Coated Gold Nanorods in Biological Media. ACS Applied Materials & Interfaces, 2015, 7, 5984-5991.	8.0	156
13	Organized Plasmonic Clusters with High Coordination Number and Extraordinary Enhancement in Surfaceâ€Enhanced Raman Scattering (SERS). Angewandte Chemie - International Edition, 2012, 51, 12688-12693.	13.8	154
14	Mechanics of artificial microcapsules. New Journal of Physics, 2004, 6, 18-18.	2.9	151
15	Thin Multilayer Films of Weak Polyelectrolytes on Colloid Particles. Macromolecules, 2002, 35, 9780-9787.	4.8	149
16	Microcapsule mechanics: From stability to function. Advances in Colloid and Interface Science, 2014, 207, 65-80.	14.7	142
17	A lithography-free method for directed colloidal crystal assembly based on wrinkling. Soft Matter, 2007, 3, 1530.	2.7	140
18	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. ACS Applied Materials & Interfaces, 2018, 10, 11152-11163.	8.0	133

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19	Melting of PDADMAC/PSS Capsules Investigated with AFM Force Spectroscopy. <i>Macromolecules</i> , 2005, 38, 9766-9771.	4.8	130
20	Colloidal self-assembly concepts for light management in photovoltaics. <i>Materials Today</i> , 2015, 18, 185-205.	14.2	129
21	Protein-Assisted Assembly of Modular 3D Plasmonic Raspberry-like Core/Satellite Nanoclusters: Correlation of Structure and Optical Properties. <i>ACS Nano</i> , 2016, 10, 5740-5750.	14.6	128
22	Highly uniform SERS substrates formed by wrinkle-confined drying of gold colloids. <i>Chemical Science</i> , 2010, 1, 174.	7.4	127
23	On the mechanical stability of polymeric microcontainers functionalized with nanoparticles. <i>Soft Matter</i> , 2009, 5, 148-155.	2.7	122
24	Controlled Living Nanowire Growth: Precise Control over the Morphology and Optical Properties of AgAuAg Bimetallic Nanowires. <i>Nano Letters</i> , 2015, 15, 5427-5437.	9.1	122
25	Salt Softening of Polyelectrolyte Multilayer Capsules. <i>Langmuir</i> , 2005, 21, 3165-3171.	3.5	119
26	Two-dimensional Boronate Ester Covalent Organic Framework Thin Films with Large Single Crystalline Domains for a Neuromorphic Memory Device. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8218-8224.	13.8	116
27	Colloidal Self-Assembly Concepts for Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1800564.	7.3	108
28	Physical chemistry of encapsulation and release. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4078-4089.	2.8	106
29	The Formation of Nano-Dot and Nano-Ring Structures in Colloidal Monolayer Lithography. <i>Langmuir</i> , 1997, 13, 7080-7084.	3.5	102
30	Nanocomposite Microcontainers with High Ultrasound Sensitivity. <i>Advanced Functional Materials</i> , 2010, 20, 1189-1195.	14.9	101
31	A Lithography-Free Pathway for Chemical Microstructuring of Macromolecules from Aqueous Solution Based on Wrinkling. <i>Langmuir</i> , 2008, 24, 12748-12753.	3.5	98
32	Large-Area Organization of pNIPAM-Coated Nanostars as SERS Platforms for Polycyclic Aromatic Hydrocarbons Sensing in Gas Phase. <i>Langmuir</i> , 2012, 28, 9168-9173.	3.5	94
33	Mechano-tunable chiral metasurfaces via colloidal assembly. <i>Nature Materials</i> , 2021, 20, 1024-1028.	27.5	93
34	Direct method to study membrane rigidity of small vesicles based on atomic force microscope force spectroscopy. <i>Physical Review E</i> , 2006, 74, 030901.	2.1	90
35	Au Nanoparticle-based Multilayer Ultrathin Films with Covalently Linked Nanostructures: Spraying Layer-by-layer Assembly and Mechanical Property Characterization. <i>Chemistry of Materials</i> , 2006, 18, 6204-6210.	6.7	85
36	pH-Triggered softening of crosslinked hydrogen-bonded capsules. <i>Soft Matter</i> , 2006, 2, 966.	2.7	85

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37	Plasmonic Library Based on Substrate-Supported Gradiential Plasmonic Arrays. ACS Nano, 2014, 8, 9410-9421.	14.6	84
38	Clay-Based Nanocomposite Coating for Flexible Optoelectronics Applying Commercial Polymers. ACS Nano, 2013, 7, 4275-4280.	14.6	82
39	Ultrathin two-dimensional conjugated metal-organic framework single-crystalline nanosheets enabled by surfactant-assisted synthesis. Chemical Science, 2020, 11, 7665-7671.	7.4	82
40	Interactions between silica surfaces coated by polyelectrolyte multilayers in aqueous environment: comparison between precursor and multilayer regime. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 243, 147-155.	4.7	77
41	Characterization of adhesion phenomena and contact of surfaces by soft colloidal probe AFM. Soft Matter, 2010, 6, 1432.	2.7	76
42	Cavitation Engineered 3D Sponge Networks and Their Application in Active Surface Construction. Advanced Materials, 2012, 24, 985-989.	21.0	76
43	Nanorattles with tailored electric field enhancement. Nanoscale, 2017, 9, 9376-9385.	5.6	76
44	Monodisperse collagen-gelatin beads as potential platforms for 3D cell culturing. Journal of Materials Chemistry B, 2013, 1, 5128.	5.8	75
45	Macroscopic Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2013, 52, 6459-6463.	13.8	75
46	Encapsulated Living Cells on Microstructured Surfaces. Langmuir, 2005, 21, 705-709.	3.5	74
47	Imaging Liquid Structures on Inhomogeneous Surfaces by Scanning Force Microscopy. Langmuir, 1998, 14, 2585-2588.	3.5	72
48	Influence of chemical treatments on adhesion properties of hemp fibres. Journal of Colloid and Interface Science, 2011, 356, 303-310.	9.4	72
49	Mechanotunable Surface Lattice Resonances in the Visible Optical Range by Soft Lithography Templates and Directed Self-Assembly. ACS Applied Materials & Interfaces, 2019, 11, 28189-28196.	8.0	72
50	Imaging of droplets of aqueous solutions by tapping-mode scanning force microscopy. Ultramicroscopy, 1997, 69, 211-217.	1.9	70
51	Mechanobiology: Correlation Between Mechanical Stability of Microcapsules Studied by AFM and Impact of Cell-Induced Stresses. Small, 2010, 6, 2858-2862.	10.0	69
52	Recrystallization of Bacterial S-Layers on Flat Polyelectrolyte Surfaces and Hollow Polyelectrolyte Capsules. Small, 2005, 1, 339-348.	10.0	68
53	Quantification of release from microcapsules upon mechanical deformation with AFM. Soft Matter, 2010, 6, 1879.	2.7	68
54	Patterned Thermo-responsive Microgel Coatings for Noninvasive Processing of Adherent Cells. Biomacromolecules, 2016, 17, 1110-1116.	5.4	68

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55	Reversible Light and Air-Driven Lithography by Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2005, 127, 9386-9387.	13.7	67
56	Formation and Mechanical Characterization of Aminoplast Core/Shell Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2940-2948.	8.0	66
57	Polyelectrolyte Films Based on Polysaccharides of Different Conformations: Effects on Multilayer Structure and Mechanical Properties. <i>Biomacromolecules</i> , 2006, 7, 2065-2071.	5.4	65
58	Colloidal Surface Assemblies: Nanotechnology Meets Bioinspiration. <i>Advanced Functional Materials</i> , 2013, 23, 4529-4541.	14.9	65
59	Thermoresponsive PEG-Based Polymer Layers: Surface Characterization with AFM Force Measurements. <i>Langmuir</i> , 2010, 26, 3462-3467.	3.5	64
60	Temperature-Controlled Catalysis by Core-Shell-Satellite AuAg@pNIPAM@Ag Hybrid Microgels: A Highly Efficient Catalytic Thermoresponsive Nanoreactor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29360-29372.	8.0	63
61	Optically anisotropic substrates via wrinkle-assisted convective assembly of gold nanorods on macroscopic areas. <i>Faraday Discussions</i> , 2015, 181, 243-260.	3.2	62
62	Submicron Contact Printing on Silicon Using Stamp Pads. <i>Langmuir</i> , 1999, 15, 2398-2401.	3.5	60
63	Strong Photoacoustic Signal Enhancement by Coating Gold Nanoparticles with Melanin for Biomedical Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1705607.	14.9	60
64	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. <i>Nanoscale</i> , 2019, 11, 17655-17663.	5.6	59
65	DNA-Assembled Plasmonic Waveguides for Nanoscale Light Propagation to a Fluorescent Nanodiamond. <i>Nano Letters</i> , 2018, 18, 7323-7329.	9.1	58
66	Tuning of microcapsule adhesion by varying the capsule-wall thickness. <i>Physical Review E</i> , 2004, 69, 031802.	2.1	57
67	Janus particles: from concepts to environmentally friendly materials and sustainable applications. <i>Colloid and Polymer Science</i> , 2020, 298, 841-865.	2.1	56
68	Influence of the Polymeric Interphase Design on the Interfacial Properties of (Fiber-Reinforced) Composites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2469-2478.	8.0	55
69	4D Biofabrication: 3D Cell Patterning Using Shape-Changing Films. <i>Advanced Functional Materials</i> , 2018, 28, 1706248.	14.9	55
70	Measuring mechanical properties of polyelectrolyte multilayer thin films: Novel methods based on AFM and optical techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 303, 30-36.	4.7	53
71	Sonochemical formation of metal sponges. <i>Nanoscale</i> , 2011, 3, 985-993.	5.6	53
72	Silver-Overgrowth-Induced Changes in Intrinsic Optical Properties of Gold Nanorods: From Noninvasive Monitoring of Growth Kinetics to Tailoring Internal Mirror Charges. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9513-9523.	3.1	53

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73	From Nano to Micro: Synthesis and Optical Properties of Homogeneous Spheroidal Gold Particles and Their Superlattices. <i>Langmuir</i> , 2012, 28, 8909-8914.	3.5	52
74	Topological Paths and Transient Morphologies during Formation of Mesoporous Block Copolymer Membranes. <i>Macromolecules</i> , 2014, 47, 5566-5577.	4.8	52
75	Wrinkle-assisted linear assembly of hard-core/soft-shell particles: impact of the soft shell on the local structure. <i>Nanoscale</i> , 2012, 4, 2491.	5.6	51
76	Mechanical strength and intracellular uptake of CaCO ₃ -templated LbL capsules composed of biodegradable polyelectrolytes: the influence of the number of layers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1175.	5.8	51
77	Template-assisted colloidal self-assembly of macroscopic magnetic metasurfaces. <i>Faraday Discussions</i> , 2016, 191, 159-176.	3.2	51
78	Macroscopic Strain-Induced Transition from Quasi-infinite Gold Nanoparticle Chains to Defined Plasmonic Oligomers. <i>ACS Nano</i> , 2017, 11, 8871-8880.	14.6	51
79	Ultrasoft and High-Mobility Block Copolymers for Skin-Compatible Electronics. <i>Advanced Materials</i> , 2021, 33, e2005416.	21.0	51
80	Controlling inter-nanoparticle coupling by wrinkle-assisted assembly. <i>Soft Matter</i> , 2011, 7, 4093.	2.7	50
81	Mechanics of pH-Responsive Hydrogel Capsules. <i>Langmuir</i> , 2013, 29, 9814-9823.	3.5	50
82	Nanoparticle assembly by confinement in wrinkles: experiment and simulations. <i>Soft Matter</i> , 2010, 6, 5860.	2.7	49
83	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. <i>Advanced Functional Materials</i> , 2012, 22, 3128-3135.	14.9	49
84	AFM-based mechanical characterization of single nanofibres. <i>Nanoscale</i> , 2016, 8, 8414-8426.	5.6	49
85	Mechanical behaviour of micro-capsules and their rupture under compression. <i>Chemical Engineering Science</i> , 2016, 142, 236-243.	3.8	49
86	Dependence of Structural Forces in Polyelectrolyte Solutions on Charge Density: A Combined AFM/SAXS Study. <i>Macromolecules</i> , 2003, 36, 6878-6883.	4.8	48
87	Scaling properties of the shear modulus of polyelectrolyte complex coacervates: a time-pH superposition principle. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22552-22556.	2.8	48
88	In situ characterization of gas-filled microballoons using soft X-ray microspectroscopy. <i>Soft Matter</i> , 2008, 4, 510.	2.7	47
89	Hierarchical line-defect patterns in wrinkled surfaces. <i>Soft Matter</i> , 2015, 11, 3332-3339.	2.7	46
90	Two-in-One Composite Fibers With Side-by-Side Arrangement of Silk Fibroin and Poly(L-lactide) by Electrospinning. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 48-55.	3.6	46

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91	Mechanical Properties of Freestanding Polyelectrolyte Capsules: a Quantitative Approach Based on Shell Theory. , 0, , 117-123.		45
92	Artificial microniches for probing mesenchymal stem cell fate in 3D. <i>Biomaterials Science</i> , 2014, 2, 1661-1671.	5.4	45
93	Separating membrane and surface tension contributions in Pickering droplet deformation. <i>Soft Matter</i> , 2008, 4, 2259.	2.7	44
94	Neutron Reflectometry Study of Swelling of Polyelectrolyte Multilayers in Water Vapors: Influence of Charge Density of the Polycation. <i>Langmuir</i> , 2009, 25, 11576-11585.	3.5	44
95	On the interplay of shell structure with low- and high-frequency mechanics of multifunctional magnetic microbubbles. <i>Soft Matter</i> , 2014, 10, 214-226.	2.7	44
96	Systematic evaluation of different types of graphene oxide in respect to variations in their in-plane modulus. <i>Carbon</i> , 2017, 114, 700-705.	10.3	44
97	Aqueous Gold Overgrowth of Silver Nanoparticles: Merging the Plasmonic Properties of Silver with the Functionality of Gold. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15866-15870.	13.8	44
98	Polyelectrolyte Capsules Modified with YF3 Nanoparticles: An AFM Study. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1078-1081.	3.9	43
99	Reversible swelling transitions in stimuli-responsive layer-by-layer films containing block copolymer micelles. <i>Chemical Science</i> , 2013, 4, 325-334.	7.4	43
100	Deformation Measurements on Thin Clay Tactoids. <i>Small</i> , 2009, 5, 1816-1820.	10.0	42
101	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15728-15732.	13.8	42
102	Colorless-to-Black Electrochromic and AIE-Active Polyamides: An Effective Strategy for the Highest-Contrast Electrofluorochromism. <i>Macromolecules</i> , 2020, 53, 10117-10127.	4.8	42
103	All-Optical Reversible Azo-Based Wrinkling Patterns with High Aspect Ratio and Polarization-Independent Orientation for Light-Responsive Soft Photonics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25595-25604.	8.0	41
104	Coupling of Individual Polyelectrolyte Capsules onto Patterned Substrates. <i>Langmuir</i> , 2004, 20, 2995-2998.	3.5	40
105	Leaf beetle attachment on wrinkles: isotropic friction on anisotropic surfaces. <i>Journal of Experimental Biology</i> , 2012, 215, 1975-1982.	1.7	40
106	Nanostructured wrinkled surfaces for templating bionanoparticles controlling and quantifying the degree of order. <i>Faraday Discussions</i> , 2009, 143, 143.	3.2	39
107	Ordering and Printing Virus Arrays: A Straightforward Way to Functionalize Surfaces. <i>Small</i> , 2010, 6, 2122-2125.	10.0	39
108	Influence of the carbonization temperature on the mechanical properties of thermoplastic polymer derived C/C-SiC composites. <i>Journal of the European Ceramic Society</i> , 2017, 37, 523-529.	5.7	39

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109	Mechanotunable Plasmonic Properties of Colloidal Assemblies. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901678.	3.7	39
110	Prospects of Coupled Organic-Inorganic Nanostructures for Charge and Energy Transfer Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1152-1175.	13.8	39
111	Surface Immobilization and Mechanical Properties of Cationic Hollow Faceted Polyhedrons. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1752-1758.	2.6	38
112	Release Properties of Pressurized Microgel Templated Capsules. <i>Advanced Functional Materials</i> , 2011, 21, 1411-1418.	14.9	38
113	Nanoimprint Lithography Facilitated Plasmonic-Photonic Coupling for Enhanced Photoconductivity and Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2105054.	14.9	38
114	Space-Resolved In-Plane Moduli of Graphene Oxide and Chemically Derived Graphene Applying a Simple Wrinkling Procedure. <i>Advanced Materials</i> , 2013, 25, 1337-1341.	21.0	37
115	The influence of plasma treatment on the elasticity of the <i>in situ</i> oxidized gradient layer in PDMS: towards crack-free wrinkling. <i>Soft Matter</i> , 2019, 15, 65-72.	2.7	37
116	Large-Scale Regioselective Formation of Well-Defined Stable Wrinkles of Multilayered Films via Embossing. <i>Chemistry of Materials</i> , 2008, 20, 7052-7059.	6.7	36
117	Swelling and mechanical properties of polymer gels with cross-linking gradient. <i>Soft Matter</i> , 2010, 6, 3455.	2.7	36
118	Surface Functionalization by Stimuli-Sensitive Microgels for Effective Enzyme Uptake and Rational Design of Biosensor Setups. <i>Polymers</i> , 2018, 10, 791.	4.5	36
119	Two-Dimensional Boronate Ester Covalent Organic Framework Thin Films with Large Single Crystalline Domains for a Neuromorphic Memory Device. <i>Angewandte Chemie</i> , 2020, 132, 8295-8301.	2.0	36
120	FRET-Integrated Polymer Brushes for Spatially Resolved Sensing of Changes in Polymer Conformation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16600-16606.	13.8	36
121	Ultrasound-assisted design of metal nanocomposites. <i>Chemical Communications</i> , 2010, 46, 7897.	4.1	35
122	Influence of the Molecular Structure and Morphology of Self-Assembled 1,3,5-Benzenetrisamide Nanofibers on their Mechanical Properties. <i>Small</i> , 2012, 8, 2563-2570.	10.0	35
123	Correlation length of hydrophobic polyelectrolyte solutions. <i>Europhysics Letters</i> , 2003, 62, 588-594.	2.0	34
124	Plasmon Resonance Tunable by Deaggregation of Gold Nanoparticles in Multilayers. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10082-10087.	3.1	34
125	The Role of Substrate Wettability in Nanoparticle Transfer from Wrinkled Elastomers: Fundamentals and Application toward Hierarchical Patterning. <i>Langmuir</i> , 2012, 28, 16745-16750.	3.5	34
126	Magnetic and Electric Resonances in Particle-to-Film-Coupled Functional Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3133-3141.	8.0	34

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127	Filled Microcavity Arrays Produced by Polyelectrolyte Multilayer Membrane Transfer. <i>Advanced Materials</i> , 2005, 17, 1665-1669.	21.0	33
128	Mechanical Testing of Engineered Spider Silk Filaments Provides Insights into Molecular Features on a Mesoscale. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 892-900.	8.0	33
129	Highly Oriented Nanowire Thin Films with Anisotropic Optical Properties Driven by the Simultaneous Influence of Surface Templating and Shear Forces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3046-3057.	8.0	33
130	Decreasing the Wettability of Cellulose Nanocrystal Surfaces Using Wrinkle-Based Alignment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15202-15211.	8.0	32
131	Direct Observation of Plasmon Band Formation and Delocalization in Quasi-Infinite Nanoparticle Chains. <i>Nano Letters</i> , 2019, 19, 3854-3862.	9.1	32
132	Photochemical Synthesis of Polymeric Fiber Coatings and Their Embedding in Matrix Material: Morphology and Nanomechanical Properties at the Fiber-Matrix Interface. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3484-3492.	8.0	31
133	Mechanically Defined Microgels by Droplet Microfluidics. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600418.	2.2	31
134	One pot preparation of polysulfone-amino functionalized SiO ₂ nanoparticle ultrafiltration membranes for water purification. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4598-4604.	6.7	31
135	Nanomechanical Properties of Supramolecular Self-Assembled Whiskers Determined by AFM Force Mapping. <i>Langmuir</i> , 2010, 26, 3020-3023.	3.5	30
136	Towards tailored topography: facile preparation of surface-wrinkled gradient poly(dimethyl siloxane) with continuously changing wavelength. <i>RSC Advances</i> , 2012, 2, 10185.	3.6	30
137	Silver-Assisted Synthesis of Gold Nanorods: the Relation between Silver Additive and Iodide Impurities. <i>Small</i> , 2018, 14, e1703879.	10.0	30
138	Thermoresponsive Microgel Coatings as Versatile Functional Compounds for Novel Cell Manipulation Tools. <i>Polymers</i> , 2018, 10, 656.	4.5	30
139	Co-Nonsolvency Transition of Poly(<i>N</i> -isopropylacrylamide) Brushes in a Series of Binary Mixtures. <i>Macromolecules</i> , 2019, 52, 6285-6293.	4.8	30
140	Architecture and Advanced Electronics Pathways Toward Highly Adaptive Energy-Efficient Computing. <i>Proceedings of the IEEE</i> , 2019, 107, 204-231.	21.3	30
141	Controlled Wrinkling as a Novel Method for the Fabrication of Patterned Surfaces. <i>Advances in Polymer Science</i> , 2009, , 75-99.	0.8	29
142	Co-assemblies of micelle-forming diblock copolymers and enzymes on graphite substrate for an improved design of biosensor systems. <i>Soft Matter</i> , 2013, 9, 2858.	2.7	29
143	Structural Diversity in Early-Stage Biofilm Formation on Microplastics Depends on Environmental Medium and Polymer Properties. <i>Water (Switzerland)</i> , 2020, 12, 3216.	2.7	29
144	Toward Artificial Mussel-Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18495-18499.	13.8	29

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145	Supposedly identical microplastic particles substantially differ in their material properties influencing particle-cell interactions and cellular responses. <i>Journal of Hazardous Materials</i> , 2022, 425, 127961.	12.4	29
146	Liquid microstructures at solid interfaces. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 57-74.	1.8	28
147	Direct Correlation between Local Pressure and Fluorescence Output in Mechanoresponsive Polyelectrolyte Brushes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9629-9632.	13.8	28
148	Self-Assembly of Amphiphilic Triblock Terpolymers Mediated by Multifunctional Organic Acids: Vesicles, Toroids, and (Undulated) Ribbons. <i>Macromolecules</i> , 2014, 47, 1672-1683.	4.8	28
149	Synergistic effect between electroactive tetraphenyl- <i>p</i> -phenylenediamine and AIE-active tetraphenylethylene for highly integrated electrochromic/electrofluorochromic performances. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9308-9315.	5.5	28
150	Biomacromolecular-Assembled Nanoclusters: Key Aspects for Robust Colloidal SERS Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57302-57313.	8.0	28
151	Colloidal Superstructures with Triangular Cores: Size Effects on SERS Efficiency. <i>ACS Photonics</i> , 2020, 7, 1839-1848.	6.6	28
152	Experimental Evidence of the Electrostatic Contribution to the Bending Rigidity of Charged Membranes. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2503-2505.	2.6	27
153	Cationic bilayers as micro-crystals with in-plane ordered alternated charges. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 303, 37-45.	4.7	27
154	Utilizing Conformational Changes for Patterning Thin Films of Recombinant Spider Silk Proteins. <i>Biomacromolecules</i> , 2012, 13, 3189-3199.	5.4	27
155	Coalescence and Noncoalescence of Sessile Drops: Impact of Surface Forces. <i>Langmuir</i> , 2014, 30, 6826-6830.	3.5	27
156	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7398-7402.	13.8	27
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