

Andreas Fery

List of Publications by Year in descending order

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Version: 2024-02-01

309
papers

13,316
citations

20817

60
h-index

40979

93
g-index

317
all docs

317
docs citations

317
times ranked

14962
citing authors

#	ARTICLE	IF	CITATIONS
1	Ensuring patient safety by rational choice of color masterbatch for medical device applicationsâ€”A case study investigating the properties of an ABS / SAN blend colored by different masterbatches based on styrenic polymers. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51844.	2.6	1
2	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
3	Conjugated Polymerâ€”Goldâ€”Silver Hybrid Nanoparticles for Plasmonic Energy Focusing. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2475-2481.	3.1	4
4	Mechanofluorescent Polymer Brush Surfaces that Spatially Resolve Surface Solvation. <i>ACS Nano</i> , 2022, 16, 3383-3393.	14.6	16
5	Molecular Transport within Polymer Brushes: A FRET View at Aqueous Interfaces. <i>Molecules</i> , 2022, 27, 3043.	3.8	6
6	Green Approach for Manufacturing of Polymer Surface Structures with Microcavities Having Robust Chemically Functionalized Inner Surfaces. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5189-5198.	4.4	2
7	Repulsive Interactions of Eco-corona-Covered Microplastic Particles Quantitatively Follow Modeling of Polymer Brushes. <i>Langmuir</i> , 2022, 38, 8748-8756.	3.5	9
8	Magnetic Alignment for Plasmonic Control of Gold Nanorods Coated with Iron Oxide Nanoparticles. <i>Advanced Materials</i> , 2022, 34, .	21.0	20
9	Perspektiven gekoppelter organischâ€”anorganischer Nanostrukturen fÃ¼r Ladungsâ€”und Energietransferanwendungen. <i>Angewandte Chemie</i> , 2021, 133, 1168-1194.	2.0	1
10	Prospects of Coupled Organicâ€”Inorganic Nanostructures for Charge and Energy Transfer Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1152-1175.	13.8	39
11	Embedment of Quantum Dots and Biomolecules in a Dipeptide Hydrogel Formed In Situ Using Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6724-6732.	13.8	20
12	Ultrasoft and Highâ€”Mobility Block Copolymers for Skinâ€”Compatible Electronics. <i>Advanced Materials</i> , 2021, 33, e2005416.	21.0	51
13	Freestanding Nanolayers of a Wideâ€”Gap Topological Insulator through Liquidâ€”Phase Exfoliation. <i>Chemistry - A European Journal</i> , 2021, 27, 794-801.	3.3	5
14	Poly(3â€”hexylthiophene)s Functionalized with Nâ€”Heterocyclic Carbenes as Robust and Conductive Ligands for the Stabilization of Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3912-3917.	13.8	15
15	Nanoparticle-Stabilized Perforated Lamellar Morphology in Block Copolymer/Quantum Dot Hybrids. <i>Macromolecules</i> , 2021, 54, 1216-1223.	4.8	8
16	Dichroic Fourier Transform Infrared Spectroscopy Characterization of the Î² ² -Sheet Orientation in Spider Silk Films on Silicon Substrates. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1061-1071.	2.6	4
17	Controlling line defects in wrinkling: a pathway towards hierarchical wrinkling structures. <i>Soft Matter</i> , 2021, 17, 5384-5392.	2.7	8
18	Exploiting Combinatorics to Investigate Plasmonic Properties in Heterogeneous Ag ₁₃ Au Nanosphere Chain Assemblies. <i>Advanced Optical Materials</i> , 2021, 9, 2001983.	7.3	14

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19	Plasmonic Charge Transfers in Large-Scale Metallic and Colloidal Photonic Crystal Slabs. <i>Advanced Functional Materials</i> , 2021, 31, 2011099.	14.9	22
20	Embedment of Quantum Dots and Biomolecules in a Dipeptide Hydrogel Formed In Situ Using Microfluidics. <i>Angewandte Chemie</i> , 2021, 133, 6798-6806.	2.0	2
21	Plasmonic Properties of Colloidal Assemblies. <i>Advanced Optical Materials</i> , 2021, 9, 2001869.	7.3	24
22	Proton Conductive Membranes from Covalently Cross-Linked Poly(Acrylate)/Silica Interpenetrating Networks. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000776.	3.6	1
23	Designing Supertough and Ultrastretchable Liquid Metal-Embedded Natural Rubber Composites for Soft-Matter Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15610-15620.	8.0	21
24	Block Copolymer Template-Directed Catalytic Systems: Recent Progress and Perspectives. <i>Membranes</i> , 2021, 11, 318.	3.0	7
25	Mechano-tunable chiral metasurfaces via colloidal assembly. <i>Nature Materials</i> , 2021, 20, 1024-1028.	27.5	93
26	Exploring Plasmonic Resonances Toward Large-Scale-Flexible Optical Sensors with Deformation Stability. <i>Advanced Functional Materials</i> , 2021, 31, 2101959.	14.9	18
27	Enhanced Photoluminescence of Gold Nanoparticle-Quantum Dot Hybrids Confined in Hairy Polymer Nanofibers. <i>ChemNanoMat</i> , 2021, 7, 831-841.	2.8	5
28	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
29	FRET-Integrated Polymer Brushes for Spatially Resolved Sensing of Changes in Polymer Conformation. <i>Angewandte Chemie</i> , 2021, 133, 16736-16742.	2.0	7
30	Nanoimprint Lithography Facilitated Plasmonic-Photonic Coupling for Enhanced Photoconductivity and Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2105054.	14.9	38
31	Flexible Pressure Sensors Based on the Controlled Buckling of Doped Semiconducting Polymer Nanopillars. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37445-37454.	8.0	4
32	Nanoparticle Chains for Plasmonic Band Engineering. <i>Microscopy and Microanalysis</i> , 2021, 27, 880-882.	0.4	0
33	Constrained thermoresponsive polymers – new insights into fundamentals and applications. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2123-2163.	2.2	14
34	Memory effects in polymer brushes showing co-nonsolvency effects. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102442.	14.7	11
35	Stretchable Thin Film Mechanical-Strain-Gated Switches and Logic Gate Functions Based on a Soft Tunneling Barrier. <i>Advanced Materials</i> , 2021, 33, e2104769.	21.0	10
36	Coherent optical interaction between plasmonic nanoparticles and small organic dye molecules in microcavities. <i>Applied Physics Letters</i> , 2021, 118, 013301.	3.3	1

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37	Planet-satellite nanostructures from inorganic nanoparticles: from synthesis to emerging application. <i>MRS Communications</i> , 2020, 10, 112-122.	1.8	10
38	High permeation and antifouling polysulfone ultrafiltration membranes with in situ synthesized silica nanoparticles. <i>Materials Today Communications</i> , 2020, 22, 100784.	1.9	18
39	Mechanotunable Plasmonic Properties of Colloidal Assemblies. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901678.	3.7	39
40	A Tunable Polymer-Metal Based Anti-Reflective Metasurface. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900415.	3.9	9
41	Remarkable Mechanochromism in Blends of a Conjugated Polymer P3TEOT: The Role of Conformational Transitions and Aggregation. <i>Advanced Optical Materials</i> , 2020, 8, 1901410.	7.3	6
42	In Situ Alignment of Bacterial Cellulose Using Wrinkling. <i>ACS Applied Bio Materials</i> , 2020, 3, 7898-7907.	4.6	9
43	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
44	Influences on Plasmon Resonance Linewidth in Metal-Insulator-Metal Structures Obtained via Colloidal Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56281-56289.	8.0	3
45	Supracolloidal Atomium. <i>ACS Nano</i> , 2020, 14, 15748-15756.	14.6	16
46	Protein Component of Oyster Glycogen Nanoparticles: An Anchor Point for Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38976-38988.	8.0	8
47	Multiresponsive Transitions of PDMAEMA Brushes for Tunable Surface Patterning. <i>Langmuir</i> , 2020, 36, 15283-15295.	3.5	7
48	Biomacromolecular-Assembled Nanoclusters: Key Aspects for Robust Colloidal SERS Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57302-57313.	8.0	28
49	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
50	Colloidal Superstructures with Triangular Cores: Size Effects on SERS Efficiency. <i>ACS Photonics</i> , 2020, 7, 1839-1848.	6.6	28
51	Mechanistic Investigation of the Counterion-Induced UCST Behavior of Poly(<i>N</i> -dimethylaminoethyl methacrylate) Polymer Brushes. <i>Macromolecules</i> , 2020, 53, 1957-1966.	4.8	13
52	Polymer Brushes and Gels in Competing Solvents: The Role of Different Interactions and Quantitative Predictions for Poly(<i>N</i> -isopropylacrylamide) in Alcohol-Water Mixtures. <i>Macromolecules</i> , 2020, 53, 2323-2335.	4.8	18
53	Toward Artificial Mussel-Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. <i>Angewandte Chemie</i> , 2020, 132, 18653-18657.	2.0	6
54	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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55	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
56	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
57	Plasmonics of Au/Polymer Core/Shell Nanocomposites for Thermoresponsive Hybrid Metasurfaces. <i>ACS Applied Nano Materials</i> , 2020, 3, 1674-1682.	5.0	18
58	Janus particles: from concepts to environmentally friendly materials and sustainable applications. <i>Colloid and Polymer Science</i> , 2020, 298, 841-865.	2.1	56
59	Ultrathin two-dimensional conjugated metal-organic framework single-crystalline nanosheets enabled by surfactant-assisted synthesis. <i>Chemical Science</i> , 2020, 11, 7665-7671.	7.4	82
60	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
61	Mechanoresponsive Hydrogel Particles as a Platform for Three-Dimensional Force Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26307-26313.	8.0	19
62	Mechanotunable Surface Lattice Resonances in the Visible Optical Range by Soft Lithography Templates and Directed Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28189-28196.	8.0	72
63	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
64	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
65	Mechanical Characterization of Self-Supported Noble Metal Gel Monoliths. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27651-27658.	3.1	5
66	Ultrathin Spider Silk Films: Insights into Spider Silk Assembly on Surfaces. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3366-3374.	4.4	27
67	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
68	Direct Observation of Plasmon Band Formation and Delocalization in Quasi-Infinite Nanoparticle Chains. <i>Nano Letters</i> , 2019, 19, 3854-3862.	9.1	32
69	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
70	Enhancing Printing Resolution on Hydrophobic Polymer Surfaces Using Patterned Coatings of Cellulose Nanocrystals. <i>Langmuir</i> , 2019, 35, 7155-7160.	3.5	15
71	The role of pH, metal ions and their hydroxides in charge reversal of protein-coated nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11011-11018.	2.8	26
72	Tackling the Scalability Challenge in Plasmonics by Wrinkle-Assisted Colloidal Self-Assembly. <i>Langmuir</i> , 2019, 35, 8629-8645.	3.5	26

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73	Silver Particles with Rhombicuboctahedral Shape and Effective Isotropic Interactions with Light. <i>Chemistry of Materials</i> , 2019, 31, 2822-2827.	6.7	9
74	Confinement templates for hierarchical nanoparticle alignment prepared by azobenzene-based surface relief gratings. <i>Soft Matter</i> , 2019, 15, 3872-3878.	2.7	16
75	Amphiphilic Block Copolymer Micelles in Selective Solvents: The Effect of Solvent Selectivity on Micelle Formation. <i>Polymers</i> , 2019, 11, 1882.	4.5	20
76	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. <i>Nanoscale</i> , 2019, 11, 17655-17663.	5.6	59
77	Colloidal Self-Assembly Concepts for Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1800564.	7.3	108
78	Architecture and Advanced Electronics Pathways Toward Highly Adaptive Energy- Efficient Computing. <i>Proceedings of the IEEE</i> , 2019, 107, 204-231.	21.3	30
79	Microencapsulated markers for damage detection in adhesive joints. <i>Journal of Adhesion</i> , 2018, 94, 767-783.	3.0	4
80	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11152-11163.	8.0	133
81	Silver-Assisted Synthesis of Gold Nanorods: the Relation between Silver Additive and Iodide Impurities. <i>Small</i> , 2018, 14, e1703879.	10.0	30
82	Single Particle Spectroscopy of Radiative Processes in Colloid-to-Film-Coupled Nanoantennas. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1593-1606.	2.8	6
83	4D Biofabrication: 3D Cell Patterning Using Shape-Changing Films. <i>Advanced Functional Materials</i> , 2018, 28, 1706248.	14.9	55
84	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
85	Au@p4VP core@shell pH-sensitive nanocomposites suitable for drug entrapment. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 704-714.	9.4	19
86	Magnetic and Electric Resonances in Particle-to-Film-Coupled Functional Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3133-3141.	8.0	34
87	Determinative Surface-Wrinkling Microstructures on Polypyrrole Films by Laser Writing. <i>Langmuir</i> , 2018, 34, 4793-4802.	3.5	11
88	Strong Photoacoustic Signal Enhancement by Coating Gold Nanoparticles with Melanin for Biomedical Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1705607.	14.9	60
89	Controlled Wrinkling of Gradient Metal Films. <i>Langmuir</i> , 2018, 34, 14249-14253.	3.5	18
90	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

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91	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. <i>Angewandte Chemie</i> , 2018, 130, 15954-15958.	2.0	13
92	Spectral field mapping in plasmonic nanostructures with nanometer resolution. <i>Nature Communications</i> , 2018, 9, 4207.	12.8	21
93	DNA-Assembled Plasmonic Waveguides for Nanoscale Light Propagation to a Fluorescent Nanodiamond. <i>Nano Letters</i> , 2018, 18, 7323-7329.	9.1	58
94	Synthesis of Metal@Protein@Polymer Nanoparticles with Distinct Interfacial and Phase Transfer Behavior. <i>Chemistry of Materials</i> , 2018, 30, 6717-6727.	6.7	11
95	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
96	pH-Responsive Biohybrid Carrier Material for Phenol Decontamination in Wastewater. <i>Biomacromolecules</i> , 2018, 19, 3224-3232.	5.4	1
97	Thermoreversible Surface Polymer Patches: A Cryogenic Transmission Electron Microscopy Investigation. <i>Langmuir</i> , 2018, 34, 8622-8628.	3.5	9
98	Ultrannarrow Second-Harmonic Resonances in Hybrid Plasmon-Fiber Cavities. <i>Nano Letters</i> , 2018, 18, 5576-5582.	9.1	25
99	Cononsolvency Transition of Polymer Brushes: A Combined Experimental and Theoretical Study. <i>Materials</i> , 2018, 11, 991.	2.9	18
100	Thermoresponsive Microgel Coatings as Versatile Functional Compounds for Novel Cell Manipulation Tools. <i>Polymers</i> , 2018, 10, 656.	4.5	30
101	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
102	Surface Plasmon Modes in Long Chains of Au Nanoparticles. <i>Microscopy and Microanalysis</i> , 2018, 24, 1748-1749.	0.4	0
103	Controlled and tunable design of polymer interface for immobilization of enzymes: does curvature matter?. <i>Soft Matter</i> , 2017, 13, 1074-1084.	2.7	20
104	Engineering and Design of Polymeric Shells: Inwards Interweaving Polymers as Multilayer Nanofilm, Immobilization Matrix, or Chromatography Resins. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5447-5456.	8.0	13
105	Some nanomechanical properties and degree of branching of electron beam modified polyamide 6. <i>European Polymer Journal</i> , 2017, 88, 221-230.	5.4	22
106	Decreasing the Wettability of Cellulose Nanocrystal Surfaces Using Wrinkle-Based Alignment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15202-15211.	8.0	32
107	Nanorattles with tailored electric field enhancement. <i>Nanoscale</i> , 2017, 9, 9376-9385.	5.6	76
108	Polyelectrolyte Multilayers: Polymeric Micelles and Vesicles in Polyelectrolyte Multilayers: Introducing Hierarchy and Compartmentalization (<i>Adv. Mater. Interfaces</i> 1/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	3.7	1

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109	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
110	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
111	Light-Modulated Surface Micropatterns with Multifunctional Surface Properties on Photodegradable Polymer Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37402-37410.	8.0	14
112	Wässrige Gold-Überwachung von Silbrenanopartikeln: Vereinigung der plasmonischen Eigenschaften von Silber mit der Funktionalität von Gold. <i>Angewandte Chemie</i> , 2017, 129, 16082-16086.	2.0	3
113	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
114	Surface Modification of Carbon Fibers by Free Radical Graft-Polymerization of 2-Hydroxyethyl Methacrylate for High Mechanical Strength Fiber-Matrix Composites. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700210.	3.6	10
115	Broad-Range Electrically Tunable Plasmonic Resonances of a Multilayer Coaxial Nanohole Array with an Electroactive Polymer Wrapper. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35244-35252.	8.0	21
116	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
117	Mechanically Defined Microgels by Droplet Microfluidics. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600418.	2.2	31
118	Polymeric Micelles and Vesicles in Polyelectrolyte Multilayers: Introducing Hierarchy and Compartmentalization. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600317.	3.7	18
119	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
120	Self-Organization of Gold Nanoparticle Assemblies with 3D Spatial Order and Their External Stimuli Responsiveness. <i>Macromolecular Rapid Communications</i> , 2016, 37, 215-220.	3.9	4
121	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
122	Assembly of Gold Nanoparticles on Gold Nanorods Using Functionalized Poly(<i>N</i> -isopropylacrylamide) as Polymeric "Glue". <i>Particle and Particle Systems Characterization</i> , 2016, 33, 698-702.	2.3	17
123	AFM-based mechanical characterization of single nanofibres. <i>Nanoscale</i> , 2016, 8, 8414-8426.	5.6	49
124	Splitting of Surface-Immobilized Multicompartment Micelles into Clusters upon Charge Inversion. <i>ACS Nano</i> , 2016, 10, 5180-5188.	14.6	12
125	Tensile versus AFM testing of electrospun PVA nanofibers: Bridging the gap from Microscale to nanoscale. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2418-2424.	2.1	10
126	Probing soft matter by AFM. <i>Polymer</i> , 2016, 102, 315-316.	3.8	5

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127	Light trapping for flexible organic photovoltaics. , 2016, , .		1
128	In-situ monitoring of silica shell growth on PS-b-P4VP micelles as templates using DLS. Polymer, 2016, 107, 485-491.	3.8	4
129	The role of colloidal plasmonic nanostructures in organic solar cells. Physical Chemistry Chemical Physics, 2016, 18, 23155-23163.	2.8	13
130	Two-in-One Composite Fibers With Side-by-Side Arrangement of Silk Fibroin and Poly(ϵ -caprolactide) by Electrospinning. Macromolecular Materials and Engineering, 2016, 301, 48-55.	3.6	46
131	Enzymatic Crosslinking of Polymer Conjugates is Superior over Ionic or UV Crosslinking for the On-Chip Production of Cell-Laden Microgels. Macromolecular Bioscience, 2016, 16, 1524-1532.	4.1	25
132	Wafer-sized multifunctional polyimine-based two-dimensional conjugated polymers with high mechanical stiffness. Nature Communications, 2016, 7, 13461.	12.8	283
133	Monitoring the Contact Stress Distribution of Gecko-Inspired Adhesives Using Mechano-Sensitive Surface Coatings. ACS Applied Materials & Interfaces, 2016, 8, 17870-17877.	8.0	18
134	Core-Shell Microgels with Switchable Elasticity at Constant Interfacial Interaction. ACS Applied Materials & Interfaces, 2016, 8, 16317-16327.	8.0	27
135	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. Angewandte Chemie, 2016, 128, 7524-7528.	2.0	8
136	Protein-Assisted Assembly of Modular 3D Plasmonic Raspberry-like Core/Satellite Nanoclusters: Correlation of Structure and Optical Properties. ACS Nano, 2016, 10, 5740-5750.	14.6	128
137	Long-range interaction forces between 1,3,5-cyclohexanetrissamide fibers in crossed-cylinder geometry. Polymer, 2016, 102, 363-371.	3.8	3
138	Patterned Thermo-responsive Microgel Coatings for Noninvasive Processing of Adherent Cells. Biomacromolecules, 2016, 17, 1110-1116.	5.4	68
139	Template-assisted colloidal self-assembly of macroscopic magnetic metasurfaces. Faraday Discussions, 2016, 191, 159-176.	3.2	51
140	Fabrication and optical enhancing properties of discrete supercrystals. Nanoscale, 2016, 8, 12702-12709.	5.6	17
141	Mechanical behaviour of micro-capsules and their rupture under compression. Chemical Engineering Science, 2016, 142, 236-243.	3.8	49
142	Tuning the Mechanical Properties of Hydrogel Core-Shell Particles by Inwards Interweaving Self-Assembly. ACS Applied Materials & Interfaces, 2016, 8, 1493-1500.	8.0	17
143	Multifunctional layered magnetic composites. Beilstein Journal of Nanotechnology, 2015, 6, 134-148.	2.8	22
144	Unravelling off-target effects of redox-active polymers and polymer multilayered capsules in prostate cancer cells. Nanoscale, 2015, 7, 6261-6270.	5.6	9

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145	Renaissance for low shrinking resins: all-in-one solution by bi-functional vinylcyclopropane-amides. <i>Chemical Communications</i> , 2015, 51, 11899-11902.	4.1	22
146	Colloidal approach of local and propagating magnetic modes for optical metamaterials on the macroscopic area. , 2015, , .		1
147	Colloidally Stable and Surfactant-Free Protein-Coated Gold Nanorods in Biological Media. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5984-5991.	8.0	156
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