Helmuth Moehwald

List of Publications by Year
in descending order

895	72,717	518 131	1875 215
papers	citations	h-index	g-index

955	955	955	49393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hierarchical Control of Plasmonic Nanochemistry in Microreactor. ACS Applied Materials & Interfaces, 2019, 11, 35429-35437.	4.0	4
2	3D zig-zag nanogaps based on nanoskiving for plasmonic nanofocusing. Nanoscale, 2019, 11, 3583-3590.	2.8	11
3	Adaptive Polymeric Coatings with Selfâ€Reporting and Selfâ€Healing Dual Functions from Porous Coreâ€“Shell Nanostructures. Macromolecular Materials and Engineering, 2018, 303, 1700616.	1.7	43
4	Flexible latex photonic films with tunable structural colors templated by cellulose nanocrystals. Journal of Materials Chemistry C, 2018, 6, 2396-2406.	2.7	26
5	Crystalline Dipeptide Nanobelts Based on Solidâ€“Solid Phase Transformation Self-Assembly and Their Polarization Imaging of Cells. ACS Applied Materials & Interfaces, 2018, 10, 2368-2376.	4.0	98
6	Largeâ€Scale Noniridescent Structural Color Printing Enabled by Infiltrationâ€Driven Nonequilibrium Colloidal Assembly. Advanced Materials, 2018, 30, 1705667.	11.1	117
7	Simple synthesis and surface facet-tuning of ultrathin alloy-shells of Au@AuPd nanoparticles via silver-assisted co-reduction onto facet-controlled Au nanoparticles. Journal of Materials Chemistry A, 2018, 6, 7675-7685.	5.2	28
8	Realizing a Record Photothermal Conversion Efficiency of Spiky Gold Nanoparticles in the Second Near-Infrared Window by Structure-Based Rational Design. Chemistry of Materials, 2018, 30, 2709-2718.	3.2	85
9	A â€œCellâ€Friendlyâ€•Window for the Interaction of Cells with Hyaluronic Acid/Polyâ€<scp>l</scp>â€Lysine Multilayers. Macromolecular Bioscience, 2018, 18, 1700319.	2.1	18
10	Simple Synthesis of Auâ€“Pd Alloy Nanowire Networks as Macroscopic, Flexible Electrocatalysts with Excellent Performance. ACS Applied Materials & Interfaces, 2018, 10, 602-613.	4.0	36
11	Free-Standing Plasmonic Chiral Metamaterials with 3D Resonance Cavities. ACS Nano, 2018, 12, 10914-10923.	7.3	40
12	Precise control of distance between plasmonic surfaceâ€enhanced Raman scattering substrate and analyte molecules with polyelectrolyte layers. Journal of Raman Spectroscopy, 2018, 49, 1581-1593.	1.2	4
13	Regulating Surface Facets of Metallic Aerogel Electrocatalysts by Size-Dependent Localized Ostwald Ripening. ACS Applied Materials & Interfaces, 2018, 10, 23081-23093.	4.0	26
14	Colloidal Lithography Meets Plasmonic Nanochemistry. Advanced Optical Materials, 2018, 6, 1800402.	3.6	40
15	Different Microtubule Structures Assembled by Kinesin Motors. Langmuir, 2018, 34, 9768-9773.	1.6	4
16	Elastic to Plastic Deformation in Uniaxially Stressed Polylelectrolyte Multilayer Films. Langmuir, 2018, 34, 11933-11942.	1.6	8
17	A Twoâ€Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie, 2018, 130, 10744-10748.	1.6	10
18	A Twoâ€Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie - International Edition, 2018, 57, 10584-10588.	7.2	61

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19	Advanced Colloidal Lithography Beyond Surface Patterning. Advanced Materials Interfaces, 2017, 4, 1600271.	1.9	87
20	Polymer-decorated anisotropic silica nanotubes with combined shape and surface properties for guest delivery. Polymer, 2017, 109, 332-338.	1.8	25
21	Light Trapping in Plasmonic Nanovessels. Advanced Optical Materials, 2017, 5, 1600980.	3.6	10
22	The interaction of antimicrobial peptides with membranes. Advances in Colloid and Interface Science, 2017, 247, 521-532.	7.0	134
23	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
24	Maxâ€Planck Institute of Colloids and Interfaces Perspectives in Interface Research. Advanced Materials Interfaces, 2017, 4, 1601037.	1.9	0
25	Connecting Together Nanocenters around the World. ACS Nano, 2017, 11, 8531-8532.	7.3	7
26	Plasmonic Nanochemistry Based on Nanohole Array. ACS Nano, 2017, 11, 12094-12102.	7.3	48
27	Self-Regulated Ion Permeation through Extraction Membranes. Langmuir, 2017, 33, 9873-9879.	1.6	9
28	Broad-Range Electrically Tunable Plasmonic Resonances of a Multilayer Coaxial Nanohole Array with an Electroactive Polymer Wrapper. ACS Applied Materials & Interfaces, 2017, 9, 35244-35252.	4.0	21
29	Self-Assembled Injectable Peptide Hydrogels Capable of Triggering Antitumor Immune Response. Biomacromolecules, 2017, 18, 3514-3523.	2.6	148
30	Structured solvent effects on precipitation. Colloid and Polymer Science, 2017, 295, 1817-1826.	1.0	7
31	Organized Peptidic Nanostructures as Functional Materials. Biomacromolecules, 2017, 18, 3469-3470.	2.6	21
32	Photomobility and photohealing of cellulose-based hybrids. Europhysics Letters, 2017, 119, 38003.	0.7	6
33	Ultrasound-driven titanium modification with formation of titania based nanofoam surfaces. Ultrasonics Sonochemistry, 2017, 36, 146-154.	3.8	17
34	Anisotropic Self-Assembly of Organicâ€“Inorganic Hybrid Microtoroids. Journal of the American Chemical Society, 2017, 139, 10232-10238.	6.6	18
35	How Can One Controllably Use of Natural Î”pH in Polyelectrolyte Multilayers?. Advanced Materials Interfaces, 2017, 4, 1600282.	1.9	34
36	Halloysites Stabilized Emulsions for Hydroformylation of Long Chain Olefins. Advanced Materials Interfaces, 2017, 4, 1600435.	1.9	57

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37	Release from Polyelectrolyte Multilayer Capsules in Solution and on Polymeric Surfaces. Advanced Materials Interfaces, 2017, 4, 1600273.	1.9	25
38	A Big Year Ahead for Nano in 2018. ACS Nano, 2017, 11, 11755-11757.	7.3	1
39	Organized films. Beilstein Journal of Nanotechnology, 2016, 7, 406-408.	1.5	0
40	Ultrasonic Mastering of Filter Flow and Antifouling of Renewable Resources. ChemPhysChem, 2016, 17, 931-953.	1.0	5
41	Invertible Nanocup Array Supporting Hybrid Plasmonic Resonances. Advanced Optical Materials, 2016, 4, 906-916.	3.6	11
42	Simple Peptideâ€Tuned Selfâ€Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. Angewandte Chemie - International Edition, 2016, 55, 3036-3039.	7.2	453
43	Switching the Stiffness of Polyelectrolyte Assembly by Light to Control Behavior of Supported Cells. Macromolecular Bioscience, 2016, 16, 1422-1431.	2.1	32
44	Fully Reversible Transition between Cassie and Wenzel States via Acoustic Waves. Advanced Materials Interfaces, 2016, 3, 1600722.	1.9	16
45	Regulating Cell Apoptosis on Layer-by-Layer Assembled Multilayers of Photosensitizer-Coupled Polypeptides and Gold Nanoparticles. Scientific Reports, 2016, 6, 26506.	1.6	23
46	Molecular and mesoscale mechanism for hierarchical self-assembly of dipeptide and porphyrin light-harvesting system. Physical Chemistry Chemical Physics, 2016, 18, 16738-16747.	1.3	33
47	Loading Capacity versus Enzyme Activity in Anisotropic and Spherical Calcium Carbonate Microparticles. ACS Applied Materials & Interfaces, 2016, 8, 14284-14292.	4.0	74
48	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptideâ€“Porphyrin Coâ€Assemblies with a Selfâ€Mineralized Reaction Center. Angewandte Chemie, 2016, 128, 12691-12695.	1.6	23
49	Effect of Cavitation Bubble Collapse on the Modification of Solids: Crystallization Aspects. Langmuir, 2016, 32, 11072-11085.	1.6	32
50	Perforating domed plasmonic films for broadband and omnidirectional antireflection. Nanoscale, 2016, 8, 15473-15478.	2.8	10
51	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptideâ€“Porphyrin Coâ€Assemblies with a Selfâ€Mineralized Reaction Center. Angewandte Chemie - International Edition, 2016, 55, 12503-12507.	7.2	145
52	From Langmuir Monolayers to Multilayer Films. Langmuir, 2016, 32, 10445-10458.	1.6	42
53	MHz Ultrasound Induced Roughness of Fluid Interfaces. Langmuir, 2016, 32, 10177-10183.	1.6	4
54	Lightâ€Induced Water Splitting Causes Highâ€Amplitude Oscillation of pHâ€Sensitive Layerâ€byâ€Layer Assemblies on TiO₂. Angewandte Chemie - International Edition, 2016, 55, 13001-13004.	7.2	42

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55	Lightâ€Induced Water Splitting Causes Highâ€Amplitude Oscillation of pHâ€Sensitive Layerâ€byâ€Layer Assemblies on TiO₂. Angewandte Chemie, 2016, 128, 13195-13198.	1.6	4
56	From 1D to 3D: Tunable Subâ€10 nm Gaps in Large Area Devices. Advanced Materials, 2016, 28, 2956-2963.	11.1	53
57	Simple Peptideâ€Tuned Selfâ€Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. Angewandte Chemie, 2016, 128, 3088-3091.	1.6	85
58	Double-Shelled Polymer Nanocontainers Decorated with Poly(ethylene glycol) Brushes by Combined Distillation Precipitation Polymerization and Thiolâ€“Yne Surface Chemistry. Macromolecules, 2016, 49, 1127-1134.	2.2	18
59	Ultrasonically treated liquid interfaces for progress in cleaning and separation processes. Physical Chemistry Chemical Physics, 2016, 18, 21-46.	1.3	79
60	Ultrasonic approach for surface nanostructuring. Ultrasonics Sonochemistry, 2016, 29, 589-603.	3.8	39
61	Peptideâ€Induced Hierarchical Longâ€Range Order and Photocatalytic Activity of Porphyrin Assemblies. Angewandte Chemie - International Edition, 2015, 54, 500-505.	7.2	164
62	Interactions of Two Fragments of the Human Antimicrobial Peptide LL-37 with Zwitterionic and Anionic Lipid Monolayers. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1141-1159.	1.4	3
63	The influence of the size and aspect ratio of anisotropic, porous CaCO3 particles on their uptake by cells. Journal of Nanobiotechnology, 2015, 13, 53.	4.2	127
64	Sonogenerated metal-hydrogen sponges for reactive hard templating. Chemical Communications, 2015, 51, 7606-7609.	2.2	12
65	Nonuniform Growth of Composite Layer-by-Layer Assembled Coatings via Three-Dimensional Expansion of Hydrophobic Magnetite Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 28353-28360.	4.0	8
66	From Beetles in Nature to the Laboratory: Actuating Underwater Locomotion on Hydrophobic Surfaces. Langmuir, 2015, 31, 13734-13742.	1.6	22
67	The evaporation behavior of sessile droplets from aqueous saline solutions. Physical Chemistry Chemical Physics, 2015, 17, 22296-22303.	1.3	75
68	Mechanistic study on reduction reaction of nitro compounds catalyzed by gold nanoparticles using in situ SERS monitoring. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 108-113.	2.3	24
69	Micropatterning for the Control of Surface Cavitation: Visualization through High-Speed Imaging. ACS Applied Materials & Interfaces, 2015, 7, 4100-4108.	4.0	17
70	Prospects for plasmonic hot spots in single molecule SERS towards the chemical imaging of live cells. Physical Chemistry Chemical Physics, 2015, 17, 21072-21093.	1.3	246
71	Surpassingly Competitive Electromagnetic Field Enhancement at the Silica/Silver Interface for Selective Intracellular Surface Enhanced Raman Scattering Detection. ACS Nano, 2015, 9, 2820-2835.	7.3	22
72	Microgel containers for self-healing polymeric materials: Morphology prediction and mechanism of formation. Polymer, 2015, 73, 183-194.	1.8	9

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73	Nanoplasmonic Chitosan Nanofibers as Effective SERS Substrate for Detection of Small Molecules. ACS Applied Materials & Interfaces, 2015, 7, 15466-15473.	4.0	83
74	Field-assisted self-assembly process: general discussion. Faraday Discussions, 2015, 181, 463-479.	1.6	1
75	Self-assembly processes: general discussion. Faraday Discussions, 2015, 181, 299-323.	1.6	2
76	New routes to control nanoparticle synthesis: general discussion. Faraday Discussions, 2015, 181, 147-179.	1.6	2
77	Smart pattern display by tuning the surface plasmon resonance of hollow nanocone arrays. Nanoscale, 2015, 7, 11525-11530.	2.8	10
78	Synthesis of folic acid functionalized redox-responsive magnetic proteinous microcapsules for targeted drug delivery. Journal of Colloid and Interface Science, 2015, 450, 325-331.	5.0	31
79	The Influence of Long-Range Surface Forces on the Contact Angle of Nanometric Droplets and Bubbles. Langmuir, 2015, 31, 11835-11841.	1.6	12
80	Colloidal Goldâ€“Collagen Protein Coreâ€“Shell Nanoconjugate: One-Step Biomimetic Synthesis, Layer-by-Layer Assembled Film, and Controlled Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 24733-24740.	4.0	88
81	Synthesis of multifunctional bovine serum albumin microcapsules by the sonochemical method for targeted drug delivery and controlled drug release. Colloids and Surfaces B: Biointerfaces, 2015, 136, 470-478.	2.5	26
82	Transformation of worst weed into N-, S-, and P-tridoped carbon nanorings as metal-free electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 23376-23384.	5.2	48
83	Properties of self-assembled nanostructures: general discussion. Faraday Discussions, 2015, 181, 365-381.	1.6	0
84	Confined surface plasmon sensors based on strongly coupled disk-in-volcano arrays. Nanoscale, 2015, 7, 2317-2324.	2.8	25
85	Synthesis and study of the complex formation of a cationic alkyl-chain bola amino alcohol with DNA: in vitro transfection efficiency. Colloid and Polymer Science, 2015, 293, 3167-3175.	1.0	7
86	Microcontactâ€Printingâ€Assisted Access of Graphitic Carbon Nitride Films with Favorable Textures toward Photoelectrochemical Application. Advanced Materials, 2015, 27, 712-718.	11.1	177
87	Laser-induced fast fusion of gold nanoparticle-modified polyelectrolyte microcapsules. Physical Chemistry Chemical Physics, 2015, 17, 3281-3286.	1.3	21
88	Preparation of gold nanostars and their study in selective catalytic reactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 465, 20-25.	2.3	53
89	Optical Heating and Temperature Determination of Coreâ€“Shell Gold Nanoparticles and Singleâ€Walled Carbon Nanotube Microparticles. Small, 2015, 11, 1320-1327.	5.2	31
90	Reflectometry on curved interfaces. Physica B: Condensed Matter, 2015, 457, 202-211.	1.3	3

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91	Polyelectrolyte Multilayers: Towards Single Cell Studies. Polymers, 2014, 6, 1502-1527.	2.0	46
92	Chemical imaging of live fibroblasts by SERS effective nanofilm. Physical Chemistry Chemical Physics, 2014, 16, 24621-24634.	1.3	20
93	Study of Cytochrome c-DNA Interaction â€“ Evaluation of Binding Sites on the Redox Protein. Nanoscale, 2014, 6, 13779-13786.	2.8	7
94	â€œSmartâ€•Surface Capsules for Delivery Devices. Advanced Materials Interfaces, 2014, 1, 1400237.	1.9	31
95	Self-assemblies of luminescent rare earth compounds in capsules and multilayers. Advances in Colloid and Interface Science, 2014, 207, 361-375.	7.0	16
96	Sonoâ€Assembly of Highly Biocompatible Polysaccharide Capsules for Hydrophobic Drug Delivery. Advanced Healthcare Materials, 2014, 3, 825-831.	3.9	20
97	Fabrication of Bifunctional Gold/Gelatin Hybrid Nanocomposites and Their Application. ACS Applied Materials & Interfaces, 2014, 6, 1999-2002.	4.0	38
98	Polymer Brush Gradients by Adjusting the Functional Density Through Temperature Gradient. Advanced Materials Interfaces, 2014, 1, 1300056.	1.9	11
99	Langmuir monolayers as models to study processes at membrane surfaces. Advances in Colloid and Interface Science, 2014, 208, 197-213.	7.0	190
100	Plasmonic films based on colloidal lithography. Advances in Colloid and Interface Science, 2014, 206, 5-16.	7.0	70
101	Langmuir monolayers as unique physical models. Current Opinion in Colloid and Interface Science, 2014, 19, 176-182.	3.4	118
102	Controllable metal-enhanced fluorescence in organized films and colloidal system. Advances in Colloid and Interface Science, 2014, 207, 164-177.	7.0	86
103	Resonant Optical Transmission through Topologically Continuous Films. ACS Nano, 2014, 8, 1566-1575.	7.3	47
104	Multifunctional Porous Microspheres Based on Peptideâ€“Porphyrin Hierarchical Coâ€Assembly. Angewandte Chemie - International Edition, 2014, 53, 2366-2370.	7.2	161
105	Single bubble perturbation in cavitation proximity of solid glass: hot spot versus distance. Physical Chemistry Chemical Physics, 2014, 16, 3534-3541.	1.3	9
106	Evaluation of the role of polyelectrolyte deposition conditions in growth factor release. Journal of Materials Chemistry B, 2014, 2, 2680.	2.9	6
107	Preparation of Multifunctional Polysaccharide Microcontainers for Lipophilic Bioactive Agents. ACS Applied Materials & Interfaces, 2014, 6, 6570-6578.	4.0	31
108	Single-Crystalline ZnO Spherical Particles by Pulsed Laser Irradiation of Colloidal Nanoparticles for Ultraviolet Photodetection. ACS Applied Materials & Interfaces, 2014, 6, 2241-2247.	4.0	43

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109	Asymmetric half-cone/nanohole array films with structural and directional reshaping of extraordinary optical transmission. Nanoscale, 2014, 6, 8997-9005.	2.8	23
110	Growth Factor Release from Polyelectrolyte-Coated Titanium for Implant Applications. ACS Applied Materials & Interfaces, 2014, 6, 1866-1871.	4.0	35
111	Nanoplasmonically-Induced Defects in Lipid Membrane Monitored by Ion Current: Transient Nanopores versus Membrane Rupture. Nano Letters, 2014, 14, 4273-4279.	4.5	35
112	Monodisperse Polymeric Coreâ€“Shell Nanocontainers for Organic Selfâ€Healing Anticorrosion Coatings. Advanced Materials Interfaces, 2014, 1, 1300019.	1.9	77
113	Submicron-Lubricant Based on Crystallized Fe₃O₄ Spheres for Enhanced Tribology Performance. Chemistry of Materials, 2014, 26, 5113-5119.	3.2	59
114	Biocatalytic response of multi-layer assembled collagen/hyaluronic acid nanoengineered capsules. Journal of Microencapsulation, 2014, 31, 270-276.	1.2	11
115	Fabrication of Au@Pt Multibranched Nanoparticles and Their Application to In Situ SERS Monitoring. ACS Applied Materials & Interfaces, 2014, 6, 17075-17081.	4.0	71
116	Macromolecule Loading into Spherical, Elliptical, Starâ€Like and Cubic Calcium Carbonate Carriers. ChemPhysChem, 2014, 15, 2817-2822.	1.0	72
117	Self-Propelled Polymer Multilayer Janus Capsules for Effective Drug Delivery and Light-Triggered Release. ACS Applied Materials & Interfaces, 2014, 6, 10476-10481.	4.0	208
118	Controlled Cavitation at Nano/Microparticle Surfaces. Chemistry of Materials, 2014, 26, 2244-2248.	3.2	67
119	Distribution and Localization of Hydrophobic and Ionic Chemical Groups at the Surface of Bleached Human Hair Fibers. Langmuir, 2014, 30, 12124-12129.	1.6	36
120	Mimicking Bubble Use in Nature: Propulsion of Janus Particles due to Hydrophobicâ€Hydrophilic Interactions. Small, 2014, 10, 2670-2677.	5.2	28
121	Fluorescence indicative pH drop in sonication. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 445, 30-33.	2.3	6
122	Highly effective hot spots for SERS signatures of live fibroblasts. Nanoscale, 2014, 6, 6115-6126.	2.8	36
123	Directed assembly of optoelectronically active alkylâ€“Ï€-conjugated molecules by adding n-alkanes or Ï€-conjugated species. Nature Chemistry, 2014, 6, 690-696.	6.6	92
124	Real-Time Control of Uni-Directional Liquid Spreading on a Half-Cone Nanoshell Array. Scientific Reports, 2014, 4, 6751.	1.6	13
125	Responsive Monochromatic Color Display Based on Nanovolcano Arrays. Advanced Optical Materials, 2013, 1, 724-731.	3.6	41
126	Negligible water surface charge determined using Kelvin probe and total reflection X-ray fluorescence techniques. Physical Chemistry Chemical Physics, 2013, 15, 13991.	1.3	15

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127	Influence of Arenicin on Phase Transitions and Ordering of Lipids in 2D Model Membranes. Langmuir, 2013, 29, 12203-12211.	1.6	12
128	Preserving Catalytic Activity and Enhancing Biochemical Stability of the Therapeutic Enzyme Asparaginase by Biocompatible Multilayered Polyelectrolyte Microcapsules. Biomacromolecules, 2013, 14, 4398-4406.	2.6	74
129	A Coat of Many Functions. Science, 2013, 341, 1458-1459.	6.0	127
130	25th Anniversary Article: Dynamic Interfaces for Responsive Encapsulation Systems. Advanced Materials, 2013, 25, 5029-5043.	11.1	82
131	Novel 3D Au nanohole arrays with outstanding optical properties. Nanotechnology, 2013, 24, 035303.	1.3	26
132	Synthesis of Janus particles via kinetic control of phase separation in emulsion droplets. Chemical Communications, 2013, 49, 9746.	2.2	21
133	Mechanical strength and intracellular uptake of CaCO3-templated LbL capsules composed of biodegradable polyelectrolytes: the influence of the number of layers. Journal of Materials Chemistry B, 2013, 1, 1175.	2.9	51
134	Influence of adsorbed gas at liquid/solid interfaces on heterogeneous cavitation. Chemical Science, 2013, 4, 248-256.	3.7	53
135	Novel controllable auxetic effect of linearly elongated supported polyelectrolyte multilayers with amorphous structure. Physical Chemistry Chemical Physics, 2013, 15, 483-488.	1.3	20
136	Influence of Embedded Nanocontainers on the Efficiency of Active Anticorrosive Coatings for Aluminum Alloys Part II: Influence of Nanocontainer Position. ACS Applied Materials & Interfaces, 2013, 5, 80-87.	4.0	108
137	Silica/Polymer Double-Walled Hybrid Nanotubes: Synthesis and Application as Stimuli-Responsive Nanocontainers in Self-Healing Coatings. ACS Nano, 2013, 7, 2470-2478.	7.3	190
138	Luminescence of Trivalent Lanthanide Ions Excited by Single-Bubble and Multibubble Cavitations. Journal of Physical Chemistry B, 2013, 117, 2979-2984.	1.2	20
139	Polyelectrolyte multilayer microcapsules templated on spherical, elliptical and square calcium carbonate particles. Journal of Materials Chemistry B, 2013, 1, 1223.	2.9	87
140	Precipitation polymerization for fabrication of complex coreâ€“shell hybrid particles and hollow structures. Chemical Society Reviews, 2013, 42, 3628.	18.7	271
141	Red blood cells and polyelectrolyte multilayer capsules: natural carriers versus polymer-based drug delivery vehicles. Expert Opinion on Drug Delivery, 2013, 10, 47-58.	2.4	59
142	Alkylated-C60 based soft materials: regulation of self-assembly and optoelectronic properties by chain branching. Journal of Materials Chemistry C, 2013, 1, 1943.	2.7	61
143	Size-related native defect engineering in high intensity ultrasonication of nanoparticles for photoelectrochemical water splitting. Energy and Environmental Science, 2013, 6, 799.	15.6	58
144	Nanoengineered Colloidal Probes for Ramanâ€based Detection of Biomolecules inside Living Cells. Small, 2013, 9, 351-356.	5.2	53

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145	A Facile Sonochemical Route for the Fabrication of Magnetic Protein Microcapsules for Targeted Delivery. Chemistry - A European Journal, 2013, 19, 9485-9488.	1.7	25
146	Controlled gradient colloidal photonic crystals and their optical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 428, 9-17.	2.3	10
147	Nanocontainerâ€Based Anticorrosive Coatings: Effect of the Container Size on the Selfâ€Healing Performance. Advanced Functional Materials, 2013, 23, 3799-3812.	7.8	185
148	Selfâ€Healing and Antifouling Multifunctional Coatings Based on pH and Sulfide Ion Sensitive Nanocontainers. Advanced Functional Materials, 2013, 23, 3307-3314.	7.8	131
149	Preparation of protein microcapsules with narrow size distribution by sonochemical method. Colloid and Polymer Science, 2013, 291, 2271-2278.	1.0	23
150	Nanoplasmonic Modification of the Local Morphology, Shape, and Wetting Properties of Nanoflake Microparticles. Langmuir, 2013, 29, 7464-7471.	1.6	11
151	Why Fluorination of the Polar Heads Reverses the Positive Sign of the Dipole Potential of Langmuir Monolayers: A Vibrational Sum Frequency Spectroscopic Study. Langmuir, 2013, 29, 4726-4736.	1.6	4
152	Effect of Linear Elongation of PDMS-Supported Polyelectrolyte Multilayer Determined by Attenuated Total Reflectance IR Radiation. Journal of Physical Chemistry B, 2013, 117, 2918-2925.	1.2	8
153	Nonvolatile liquid anthracenes for facile full-colour luminescence tuning at single blue-light excitation. Nature Communications, 2013, 4, 1969.	5.8	167
154	Interplay of Hydrophobic and Hydrophilic Interactions in a Mixed Polyoxometalate/Organic Langmuir Monolayer. Chemistry Letters, 2012, 41, 1185-1187.	0.7	0
155	Capsules Made of Cross-Linked Polymers and Liquid Core: Possible Morphologies and Their Estimation on the Basis of Hansen Solubility Parameters. Journal of Physical Chemistry C, 2012, 116, 8181-8187.	1.5	23
156	Fabrication of Binary and Ternary Hybrid Particles Based on Colloidal Lithography. Chemistry of Materials, 2012, 24, 4549-4555.	3.2	24
157	Controlled enzyme-catalyzed degradation of polymeric capsules templated on CaCO3: Influence of the number of LbL layers, conditions of degradation, and disassembly of multicompartments. Journal of Controlled Release, 2012, 162, 599-605.	4.8	67
158	Porous â€˜Ouzo-effectâ€™ silicaâ€“ceria composite colloids and their application to aluminium corrosion protection. Chemical Communications, 2012, 48, 115-117.	2.2	21
159	Metal Capsules: Nanoengineered Metal Surface Capsules: Construction of a Metal-Protection System (Small 6/2012). Small, 2012, 8, 819-819.	5.2	1
160	Sononanoengineered magnesiumâ€“polypyrrole hybrid capsules with synergetic trigger release. Journal of Materials Chemistry, 2012, 22, 13841.	6.7	26
161	Microfluidics meets soft layer-by-layer films: selective cell growth in 3D polymer architectures. Lab on A Chip, 2012, 12, 1434.	3.1	30
162	Ultrasonic Modification of Aluminum Surfaces: Comparison between Thermal and Ultrasonic Effects.. Journal of Physical Chemistry C, 2012, 116, 7952-7956.	1.5	10

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163	Control of Cell Adhesion by Mechanical Reinforcement of Soft Polyelectrolyte Films with Nanoparticles. Langmuir, 2012, 28, 7249-7257.	1.6	75
164	A new approach towards â€œactiveâ€•self-healing coatings: exploitation of microgels. Soft Matter, 2012, 8, 10837.	1.2	44
165	pH- and salt-mediated response of layer-by-layer assembled PSS/PAH microcapsules: fusion and polymer exchange. Soft Matter, 2012, 8, 8659.	1.2	66
166	Nanoplasmonic smooth silica versus porous calcium carbonate bead biosensors for detection of biomarkers. Annalen Der Physik, 2012, 524, 723-732.	0.9	41
167	Effect of Linear Elongation on Carbon Nanotube and Polyelectrolyte Structures in PDMS-Supported Nanocomposite LbL Films. Journal of Physical Chemistry B, 2012, 116, 12257-12262.	1.2	18
168	pH-Controlled Release of Proteins from Polyelectrolyte-Modified Anodized Titanium Surfaces for Implant Applications. Biomacromolecules, 2012, 13, 3120-3126.	2.6	26
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