

# Helmuth Moehwald

## List of Publications by Year in descending order

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895  
papers

72,717  
citations

435

131  
h-index

1634

215  
g-index

955  
all docs

955  
docs citations

955  
times ranked

43516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Control of Plasmonic Nanochemistry in Microreactor. ACS Applied Materials & Interfaces, 2019, 11, 35429-35437.	8.0	4
2	3D zig-zag nanogaps based on nanoskiving for plasmonic nanofocusing. Nanoscale, 2019, 11, 3583-3590.	5.6	11
3	Adaptive Polymeric Coatings with Self-Reporting and Self-Healing Dual Functions from Porous Core-Shell Nanostructures. Macromolecular Materials and Engineering, 2018, 303, 1700616.	3.6	43
4	Flexible latex photonic films with tunable structural colors templated by cellulose nanocrystals. Journal of Materials Chemistry C, 2018, 6, 2396-2406.	5.5	26
5	Crystalline Dipeptide Nanobelts Based on Solid-Solid Phase Transformation Self-Assembly and Their Polarization Imaging of Cells. ACS Applied Materials & Interfaces, 2018, 10, 2368-2376.	8.0	98
6	Large-Scale Noniridescent Structural Color Printing Enabled by Infiltration-Driven Nonequilibrium Colloidal Assembly. Advanced Materials, 2018, 30, 1705667.	21.0	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.	10.3	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.	6.7	85
9	A Cell-Friendly Window for the Interaction of Cells with Hyaluronic Acid/Polylysine Multilayers. Macromolecular Bioscience, 2018, 18, 1700319.	4.1	18
10	Simple Synthesis of Au-Pd Alloy Nanowire Networks as Macroscopic, Flexible Electrocatalysts with Excellent Performance. ACS Applied Materials & Interfaces, 2018, 10, 602-613.	8.0	36
11	Free-Standing Plasmonic Chiral Metamaterials with 3D Resonance Cavities. ACS Nano, 2018, 12, 10914-10923.	14.6	40
12	Precise control of distance between plasmonic surface-enhanced Raman scattering substrate and analyte molecules with polyelectrolyte layers. Journal of Raman Spectroscopy, 2018, 49, 1581-1593.	2.5	4
13	Regulating Surface Facets of Metallic Aerogel Electrocatalysts by Size-Dependent Localized Ostwald Ripening. ACS Applied Materials & Interfaces, 2018, 10, 23081-23093.	8.0	26
14	Colloidal Lithography Meets Plasmonic Nanochemistry. Advanced Optical Materials, 2018, 6, 1800402.	7.3	40
15	Different Microtubule Structures Assembled by Kinesin Motors. Langmuir, 2018, 34, 9768-9773.	3.5	4
16	Elastic to Plastic Deformation in Uniaxially Stressed Polyelectrolyte Multilayer Films. Langmuir, 2018, 34, 11933-11942.	3.5	8
17	A Two-Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie, 2018, 130, 10744-10748.	2.0	10
18	A Two-Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie - International Edition, 2018, 57, 10584-10588.	13.8	61

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19	Advanced Colloidal Lithography Beyond Surface Patterning. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600271.	3.7	87
20	Polymer-decorated anisotropic silica nanotubes with combined shape and surface properties for guest delivery. <i>Polymer</i> , 2017, 109, 332-338.	3.8	25
21	Light Trapping in Plasmonic Nanovessels. <i>Advanced Optical Materials</i> , 2017, 5, 1600980.	7.3	10
22	The interaction of antimicrobial peptides with membranes. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 521-532.	14.7	134
23	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	14.6	976
24	Max-Planck Institute of Colloids and Interfaces Perspectives in Interface Research. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601037.	3.7	0
25	Connecting Together Nanocenters around the World. <i>ACS Nano</i> , 2017, 11, 8531-8532.	14.6	7
26	Plasmonic Nanochemistry Based on Nanohole Array. <i>ACS Nano</i> , 2017, 11, 12094-12102.	14.6	48
27	Self-Regulated Ion Permeation through Extraction Membranes. <i>Langmuir</i> , 2017, 33, 9873-9879.	3.5	9
28	Broad-Range Electrically Tunable Plasmonic Resonances of a Multilayer Coaxial Nanohole Array with an Electroactive Polymer Wrapper. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35244-35252.	8.0	21
29	Self-Assembled Injectable Peptide Hydrogels Capable of Triggering Antitumor Immune Response. <i>Biomacromolecules</i> , 2017, 18, 3514-3523.	5.4	148
30	Structured solvent effects on precipitation. <i>Colloid and Polymer Science</i> , 2017, 295, 1817-1826.	2.1	7
31	Organized Peptidic Nanostructures as Functional Materials. <i>Biomacromolecules</i> , 2017, 18, 3469-3470.	5.4	21
32	Photomobility and photohealing of cellulose-based hybrids. <i>Europhysics Letters</i> , 2017, 119, 38003.	2.0	6
33	Ultrasound-driven titanium modification with formation of titania based nanofoam surfaces. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 146-154.	8.2	17
34	Anisotropic Self-Assembly of Organic-Inorganic Hybrid Microtoroids. <i>Journal of the American Chemical Society</i> , 2017, 139, 10232-10238.	13.7	18
35	How Can One Controllably Use of Natural pH in Polyelectrolyte Multilayers?. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600282.	3.7	34
36	Halloysites Stabilized Emulsions for Hydroformylation of Long Chain Olefins. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600435.	3.7	57

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37	Release from Polyelectrolyte Multilayer Capsules in Solution and on Polymeric Surfaces. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600273.	3.7	25
38	A Big Year Ahead for Nano in 2018. <i>ACS Nano</i> , 2017, 11, 11755-11757.	14.6	1
39	Organized films. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 406-408.	2.8	0
40	Ultrasonic Mastering of Filter Flow and Antifouling of Renewable Resources. <i>ChemPhysChem</i> , 2016, 17, 931-953.	2.1	5
41	Invertible Nanocup Array Supporting Hybrid Plasmonic Resonances. <i>Advanced Optical Materials</i> , 2016, 4, 906-916.	7.3	11
42	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3036-3039.	13.8	453
43	Switching the Stiffness of Polyelectrolyte Assembly by Light to Control Behavior of Supported Cells. <i>Macromolecular Bioscience</i> , 2016, 16, 1422-1431.	4.1	32
44	Fully Reversible Transition between Cassie and Wenzel States via Acoustic Waves. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600722.	3.7	16
45	Regulating Cell Apoptosis on Layer-by-Layer Assembled Multilayers of Photosensitizer-Coupled Polypeptides and Gold Nanoparticles. <i>Scientific Reports</i> , 2016, 6, 26506.	3.3	23
46	Molecular and mesoscale mechanism for hierarchical self-assembly of dipeptide and porphyrin light-harvesting system. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16738-16747.	2.8	33
47	Loading Capacity versus Enzyme Activity in Anisotropic and Spherical Calcium Carbonate Microparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14284-14292.	8.0	74
48	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptide-Porphyrin Co-Assemblies with a Self-Mineralized Reaction Center. <i>Angewandte Chemie</i> , 2016, 128, 12691-12695.	2.0	23
49	Effect of Cavitation Bubble Collapse on the Modification of Solids: Crystallization Aspects. <i>Langmuir</i> , 2016, 32, 11072-11085.	3.5	32
50	Perforating domed plasmonic films for broadband and omnidirectional antireflection. <i>Nanoscale</i> , 2016, 8, 15473-15478.	5.6	10
51	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptide-Porphyrin Co-Assemblies with a Self-Mineralized Reaction Center. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12503-12507.	13.8	145
52	From Langmuir Monolayers to Multilayer Films. <i>Langmuir</i> , 2016, 32, 10445-10458.	3.5	42
53	MHz Ultrasound Induced Roughness of Fluid Interfaces. <i>Langmuir</i> , 2016, 32, 10177-10183.	3.5	4
54	Light-Induced Water Splitting Causes High-Amplitude Oscillation of pH-Sensitive Layer-by-Layer Assemblies on TiO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13001-13004.	13.8	42

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55	Light-Induced Water Splitting Causes High-Amplitude Oscillation of pH-Sensitive Layer-by-Layer Assemblies on TiO <sub>2</sub> . <i>Angewandte Chemie</i> , 2016, 128, 13195-13198.	2.0	4
56	From 1D to 3D: Tunable Sub-10 nm Gaps in Large Area Devices. <i>Advanced Materials</i> , 2016, 28, 2956-2963.	21.0	53
57	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016, 128, 3088-3091.	2.0	85
58	Double-Shelled Polymer Nanocontainers Decorated with Poly(ethylene glycol) Brushes by Combined Distillation Precipitation Polymerization and Thiol-Yne Surface Chemistry. <i>Macromolecules</i> , 2016, 49, 1127-1134.	4.8	18
59	Ultrasonically treated liquid interfaces for progress in cleaning and separation processes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21-46.	2.8	79
60	Ultrasonic approach for surface nanostructuring. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 589-603.	8.2	39
61	Peptide-Induced Hierarchical Long-Range Order and Photocatalytic Activity of Porphyrin Assemblies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 500-505.	13.8	164
62	Interactions of Two Fragments of the Human Antimicrobial Peptide LL-37 with Zwitterionic and Anionic Lipid Monolayers. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1141-1159.	2.8	3
63	The influence of the size and aspect ratio of anisotropic, porous CaCO <sub>3</sub> particles on their uptake by cells. <i>Journal of Nanobiotechnology</i> , 2015, 13, 53.	9.1	127
64	Sonogenerated metal-hydrogen sponges for reactive hard templating. <i>Chemical Communications</i> , 2015, 51, 7606-7609.	4.1	12
65	Nonuniform Growth of Composite Layer-by-Layer Assembled Coatings via Three-Dimensional Expansion of Hydrophobic Magnetite Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28353-28360.	8.0	8
66	From Beetles in Nature to the Laboratory: Actuating Underwater Locomotion on Hydrophobic Surfaces. <i>Langmuir</i> , 2015, 31, 13734-13742.	3.5	22
67	The evaporation behavior of sessile droplets from aqueous saline solutions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22296-22303.	2.8	75
68	Mechanistic study on reduction reaction of nitro compounds catalyzed by gold nanoparticles using in situ SERS monitoring. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 470, 108-113.	4.7	24
69	Micropatterning for the Control of Surface Cavitation: Visualization through High-Speed Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4100-4108.	8.0	17
70	Prospects for plasmonic hot spots in single molecule SERS towards the chemical imaging of live cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21072-21093.	2.8	246
71	Surpassingly Competitive Electromagnetic Field Enhancement at the Silica/Silver Interface for Selective Intracellular Surface Enhanced Raman Scattering Detection. <i>ACS Nano</i> , 2015, 9, 2820-2835.	14.6	22
72	Microgel containers for self-healing polymeric materials: Morphology prediction and mechanism of formation. <i>Polymer</i> , 2015, 73, 183-194.	3.8	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.	8.0	83
74	Field-assisted self-assembly process: general discussion. Faraday Discussions, 2015, 181, 463-479.	3.2	1
75	Self-assembly processes: general discussion. Faraday Discussions, 2015, 181, 299-323.	3.2	2
76	New routes to control nanoparticle synthesis: general discussion. Faraday Discussions, 2015, 181, 147-179.	3.2	2
77	Smart pattern display by tuning the surface plasmon resonance of hollow nanocone arrays. Nanoscale, 2015, 7, 11525-11530.	5.6	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.	9.4	31
79	The Influence of Long-Range Surface Forces on the Contact Angle of Nanometric Droplets and Bubbles. Langmuir, 2015, 31, 11835-11841.	3.5	12
80	Colloidal Gold-Cellulose Nanocrystal Core-Shell Nanoconjugate: One-Step Biomimetic Synthesis, Layer-by-Layer Assembled Film, and Controlled Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 24733-24740.	8.0	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.	5.0	26
82	Transformation of waste into N-, S-, and P-doped carbon nanorings as metal-free electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 23376-23384.	10.3	48
83	Properties of self-assembled nanostructures: general discussion. Faraday Discussions, 2015, 181, 365-381.	3.2	0
84	Confined surface plasmon sensors based on strongly coupled disk-in-volcano arrays. Nanoscale, 2015, 7, 2317-2324.	5.6	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.	2.1	7
86	Microcontact Printing-Assisted Access of Graphitic Carbon Nitride Films with Favorable Textures toward Photoelectrochemical Application. Advanced Materials, 2015, 27, 712-718.	21.0	177
87	Laser-induced fast fusion of gold nanoparticle-modified polyelectrolyte microcapsules. Physical Chemistry Chemical Physics, 2015, 17, 3281-3286.	2.8	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.	4.7	53
89	Optical Heating and Temperature Determination of Core-Shell Gold Nanoparticles and Single-Walled Carbon Nanotube Microparticles. Small, 2015, 11, 1320-1327.	10.0	31
90	Reflectometry on curved interfaces. Physica B: Condensed Matter, 2015, 457, 202-211.	2.7	3

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91	Polyelectrolyte Multilayers: Towards Single Cell Studies. <i>Polymers</i> , 2014, 6, 1502-1527.	4.5	46
92	Chemical imaging of live fibroblasts by SERS effective nanofilm. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24621-24634.	2.8	20
93	Study of Cytochrome c-DNA Interaction – Evaluation of Binding Sites on the Redox Protein. <i>Nanoscale</i> , 2014, 6, 13779-13786.	5.6	7
94	“Smart” Surface Capsules for Delivery Devices. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400237.	3.7	31
95	Self-assemblies of luminescent rare earth compounds in capsules and multilayers. <i>Advances in Colloid and Interface Science</i> , 2014, 207, 361-375.	14.7	16
96	Sono – Assembly of Highly Biocompatible Polysaccharide Capsules for Hydrophobic Drug Delivery. <i>Advanced Healthcare Materials</i> , 2014, 3, 825-831.	7.6	20
97	Fabrication of Bifunctional Gold/Gelatin Hybrid Nanocomposites and Their Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1999-2002.	8.0	38
98	Polymer Brush Gradients by Adjusting the Functional Density Through Temperature Gradient. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300056.	3.7	11
99	Langmuir monolayers as models to study processes at membrane surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 197-213.	14.7	190
100	Plasmonic films based on colloidal lithography. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 5-16.	14.7	70
101	Langmuir monolayers as unique physical models. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 176-182.	7.4	118
102	Controllable metal-enhanced fluorescence in organized films and colloidal system. <i>Advances in Colloid and Interface Science</i> , 2014, 207, 164-177.	14.7	86
103	Resonant Optical Transmission through Topologically Continuous Films. <i>ACS Nano</i> , 2014, 8, 1566-1575.	14.6	47
104	Multifunctional Porous Microspheres Based on Peptide – Porphyrin Hierarchical Co – Assembly. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2366-2370.	13.8	161
105	Single bubble perturbation in cavitation proximity of solid glass: hot spot versus distance. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3534-3541.	2.8	9
106	Evaluation of the role of polyelectrolyte deposition conditions in growth factor release. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2680.	5.8	6
107	Preparation of Multifunctional Polysaccharide Microcontainers for Lipophilic Bioactive Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 6570-6578.	8.0	31
108	Single-Crystalline ZnO Spherical Particles by Pulsed Laser Irradiation of Colloidal Nanoparticles for Ultraviolet Photodetection. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 2241-2247.	8.0	43

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109	Asymmetric half-cone/nanohole array films with structural and directional reshaping of extraordinary optical transmission. <i>Nanoscale</i> , 2014, 6, 8997-9005.	5.6	23
110	Growth Factor Release from Polyelectrolyte-Coated Titanium for Implant Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1866-1871.	8.0	35
111	Nanoplasmonically-Induced Defects in Lipid Membrane Monitored by Ion Current: Transient Nanopores versus Membrane Rupture. <i>Nano Letters</i> , 2014, 14, 4273-4279.	9.1	35
112	Monodisperse Polymeric Core-Shell Nanocontainers for Organic Self-Healing Anticorrosion Coatings. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300019.	3.7	77
113	Submicron-Lubricant Based on Crystallized Fe <sub>3</sub> O <sub>4</sub> Spheres for Enhanced Tribology Performance. <i>Chemistry of Materials</i> , 2014, 26, 5113-5119.	6.7	59
114	Biocatalytic response of multi-layer assembled collagen/hyaluronic acid nanoengineered capsules. <i>Journal of Microencapsulation</i> , 2014, 31, 270-276.	2.8	11
115	Fabrication of Au@Pt Multibranched Nanoparticles and Their Application to In Situ SERS Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17075-17081.	8.0	71
116	Macromolecule Loading into Spherical, Elliptical, Star-Like and Cubic Calcium Carbonate Carriers. <i>ChemPhysChem</i> , 2014, 15, 2817-2822.	2.1	72
117	Self-Propelled Polymer Multilayer Janus Capsules for Effective Drug Delivery and Light-Triggered Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 10476-10481.	8.0	208
118	Controlled Cavitation at Nano/Microparticle Surfaces. <i>Chemistry of Materials</i> , 2014, 26, 2244-2248.	6.7	67
119	Distribution and Localization of Hydrophobic and Ionic Chemical Groups at the Surface of Bleached Human Hair Fibers. <i>Langmuir</i> , 2014, 30, 12124-12129.	3.5	36
120	Mimicking Bubble Use in Nature: Propulsion of Janus Particles due to Hydrophobic-Hydrophilic Interactions. <i>Small</i> , 2014, 10, 2670-2677.	10.0	28
121	Fluorescence indicative pH drop in sonication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 445, 30-33.	4.7	6
122	Highly effective hot spots for SERS signatures of live fibroblasts. <i>Nanoscale</i> , 2014, 6, 6115-6126.	5.6	36
123	Directed assembly of optoelectronically active alkyl-fluorene-conjugated molecules by adding n-alkanes or fluorene-conjugated species. <i>Nature Chemistry</i> , 2014, 6, 690-696.	13.6	92
124	Real-Time Control of Uni-Directional Liquid Spreading on a Half-Cone Nanoshell Array. <i>Scientific Reports</i> , 2014, 4, 6751.	3.3	13
125	Responsive Monochromatic Color Display Based on Nanovolcano Arrays. <i>Advanced Optical Materials</i> , 2013, 1, 724-731.	7.3	41
126	Negligible water surface charge determined using Kelvin probe and total reflection X-ray fluorescence techniques. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13991.	2.8	15



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127	Influence of Arenicin on Phase Transitions and Ordering of Lipids in 2D Model Membranes. <i>Langmuir</i> , 2013, 29, 12203-12211.	3.5	12
128	Preserving Catalytic Activity and Enhancing Biochemical Stability of the Therapeutic Enzyme Asparaginase by Biocompatible Multilayered Polyelectrolyte Microcapsules. <i>Biomacromolecules</i> , 2013, 14, 4398-4406.	5.4	74
129	A Coat of Many Functions. <i>Science</i> , 2013, 341, 1458-1459.	12.6	127
130	25th Anniversary Article: Dynamic Interfaces for Responsive Encapsulation Systems. <i>Advanced Materials</i> , 2013, 25, 5029-5043.	21.0	82
131	Novel 3D Au nanohole arrays with outstanding optical properties. <i>Nanotechnology</i> , 2013, 24, 035303.	2.6	26
132	Synthesis of Janus particles via kinetic control of phase separation in emulsion droplets. <i>Chemical Communications</i> , 2013, 49, 9746.	4.1	21
133	Mechanical strength and intracellular uptake of CaCO <sub>3</sub> -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
134	Influence of adsorbed gas at liquid/solid interfaces on heterogeneous cavitation. <i>Chemical Science</i> , 2013, 4, 248-256.	7.4	53
135	Novel controllable auxetic effect of linearly elongated supported polyelectrolyte multilayers with amorphous structure. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 483-488.	2.8	20
136	Influence of Embedded Nanocontainers on the Efficiency of Active Anticorrosive Coatings for Aluminum Alloys Part II: Influence of Nanocontainer Position. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 80-87.	8.0	108
137	Silica/Polymer Double-Walled Hybrid Nanotubes: Synthesis and Application as Stimuli-Responsive Nanocontainers in Self-Healing Coatings. <i>ACS Nano</i> , 2013, 7, 2470-2478.	14.6	190
138	Luminescence of Trivalent Lanthanide Ions Excited by Single-Bubble and Multibubble Cavitations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2979-2984.	2.6	20
139	Polyelectrolyte multilayer microcapsules templated on spherical, elliptical and square calcium carbonate particles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1223.	5.8	87
140	Precipitation polymerization for fabrication of complex core-shell hybrid particles and hollow structures. <i>Chemical Society Reviews</i> , 2013, 42, 3628.	38.1	271
141	Red blood cells and polyelectrolyte multilayer capsules: natural carriers versus polymer-based drug delivery vehicles. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 47-58.	5.0	59
142	Alkylated-C60 based soft materials: regulation of self-assembly and optoelectronic properties by chain branching. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1943.	5.5	61
143	Size-related native defect engineering in high intensity ultrasonication of nanoparticles for photoelectrochemical water splitting. <i>Energy and Environmental Science</i> , 2013, 6, 799.	30.8	58
144	Nanoengineered Colloidal Probes for Raman-based Detection of Biomolecules inside Living Cells. <i>Small</i> , 2013, 9, 351-356.	10.0	53

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145	A Facile Sonochemical Route for the Fabrication of Magnetic Protein Microcapsules for Targeted Delivery. <i>Chemistry - A European Journal</i> , 2013, 19, 9485-9488.	3.3	25
146	Controlled gradient colloidal photonic crystals and their optical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 428, 9-17.	4.7	10
147	Nanocontainer-Based Anticorrosive Coatings: Effect of the Container Size on the Self-Healing Performance. <i>Advanced Functional Materials</i> , 2013, 23, 3799-3812.	14.9	185
148	Self-Healing and Antifouling Multifunctional Coatings Based on pH and Sulfide Ion Sensitive Nanocontainers. <i>Advanced Functional Materials</i> , 2013, 23, 3307-3314.	14.9	131
149	Preparation of protein microcapsules with narrow size distribution by sonochemical method. <i>Colloid and Polymer Science</i> , 2013, 291, 2271-2278.	2.1	23
150	Nanoplasmonic Modification of the Local Morphology, Shape, and Wetting Properties of Nanoflake Microparticles. <i>Langmuir</i> , 2013, 29, 7464-7471.	3.5	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. <i>Langmuir</i> , 2013, 29, 4726-4736.	3.5	4
152	Effect of Linear Elongation of PDMS-Supported Polyelectrolyte Multilayer Determined by Attenuated Total Reflectance IR Radiation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2918-2925.	2.6	8
153	Nonvolatile liquid anthracenes for facile full-colour luminescence tuning at single blue-light excitation. <i>Nature Communications</i> , 2013, 4, 1969.	12.8	167
154	Interplay of Hydrophobic and Hydrophilic Interactions in a Mixed Polyoxometalate/Organic Langmuir Monolayer. <i>Chemistry Letters</i> , 2012, 41, 1185-1187.	1.3	0
155	Capsules Made of Cross-Linked Polymers and Liquid Core: Possible Morphologies and Their Estimation on the Basis of Hansen Solubility Parameters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8181-8187.	3.1	23
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