

# Nico A J M Sommerdijk

## List of Publications by Year in descending order

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253  
papers

20,290  
citations

10986

71  
h-index

11939

134  
g-index

280  
all docs

280  
docs citations

280  
times ranked

20892  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids. <i>Cell Stem Cell</i> , 2022, 29, 217-231.e8.	11.1	146
2	Anionic Lipid Nanoparticles Preferentially Deliver mRNA to the Hepatic Reticuloendothelial System. <i>Advanced Materials</i> , 2022, 34, e2201095.	21.0	66
3	Spontaneous organization of supracolloids into three-dimensional structured materials. <i>Nature Materials</i> , 2021, 20, 541-547.	27.5	19
4	HPM live 1/4 for a full CLEM workflow. <i>Methods in Cell Biology</i> , 2021, 162, 115-149.	1.1	7
5	An Organoid for Woven Bone. <i>Advanced Functional Materials</i> , 2021, 31, 2010524.	14.9	65
6	Nucleation of protein mesocrystals via oriented attachment. <i>Nature Communications</i> , 2021, 12, 3902.	12.8	25
7	Crystallization via Oriented Attachment of Nanoclusters with Short-Range Order in Solution. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1143-1149.	3.1	4
8	Visualizing Biological Tissues: A Multiscale Workflow from Live Imaging to 3D Cryo-CLEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 11-12.	0.4	5
9	Crystallization by particle attachment is a colloidal assembly process. <i>Nature Materials</i> , 2020, 19, 391-396.	27.5	78
10	Nanohybrid Materials with Tunable Birefringence via Cation Exchange in Polymer Films. <i>Advanced Functional Materials</i> , 2020, 30, 1907456.	14.9	9
11	Intermolecular channels direct crystal orientation in mineralized collagen. <i>Nature Communications</i> , 2020, 11, 5068.	12.8	90
12	Disordered Filaments Mediate the Fibrillogenesis of Type I Collagen in Solution. <i>Biomacromolecules</i> , 2020, 21, 3631-3643.	5.4	10
13	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020, 183, 786-801.e19.	28.9	101
14	Supramolecular Double Helices from Small C <sub>3</sub> -Symmetrical Molecules Aggregated in Water. <i>Journal of the American Chemical Society</i> , 2020, 142, 17644-17652.	13.7	30
15	Liquid-Phase Electron Microscopy for Soft Matter Science and Biology. <i>Advanced Materials</i> , 2020, 32, e2001582.	21.0	75
16	Graphene Liquid Cells Assembled through Loop-Assisted Transfer Method and Located with Correlated Light-Electron Microscopy. <i>Advanced Functional Materials</i> , 2020, 30, 1904468.	14.9	24
17	One Peptide for Them All: Gold Nanoparticles of Different Sizes Are Stabilized by a Common Peptide Amphiphile. <i>ACS Nano</i> , 2020, 14, 5874-5886.	14.6	47
18	Designing stable, hierarchical peptide fibers from block co-polypeptide sequences. <i>Chemical Science</i> , 2019, 10, 9001-9008.	7.4	8

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19	Understanding the Formation Mechanism of Magnetic Mesocrystals with (Cryo-)Electron Microscopy. <i>Chemistry of Materials</i> , 2019, 31, 7320-7328.	6.7	22
20	Osteoporotic Bone Recovery by a Highly Bone-Inductive Calcium Phosphate Polymer-Induced Liquid-Precursor. <i>Advanced Science</i> , 2019, 6, 1900683.	11.2	80
21	Simulation of Calcium Phosphate Prenucleation Clusters in Aqueous Solution: Association beyond Ion Pairing. <i>Crystal Growth and Design</i> , 2019, 19, 6422-6430.	3.0	41
22	Growth Kinetics of Cobalt Carbonate Nanoparticles Revealed by Liquid-Phase Scanning Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25448-25455.	3.1	13
23	Cryo-TEM and electron tomography reveal leaching-induced pore formation in ZSM-5 zeolite. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1442-1446.	10.3	19
24	From bone regeneration to three-dimensional in-vitro models: tissue engineering of organized bone extracellular matrix. <i>Current Opinion in Biomedical Engineering</i> , 2019, 10, 107-115.	3.4	50
25	A Biomimetic Model for Mineralization of Type-I Collagen Fibrils. <i>Methods in Molecular Biology</i> , 2019, 1944, 39-54.	0.9	11
26	Formation of Hierarchical Hybrid Silica-Polymer Using Quantitative Cryo- Electron Tomography. <i>Microscopy and Microanalysis</i> , 2019, 25, 59-60.	0.4	1
27	Towards Understanding the Mechanisms behind Templated Growth of 2D Magnetite Platelets via Bio-Inspired Approaches. <i>Microscopy and Microanalysis</i> , 2019, 25, 61-62.	0.4	0
28	In-Situ Liquid Phase Electron Microscopy of Beam-Sensitive Materials. <i>Microscopy and Microanalysis</i> , 2019, 25, 63-64.	0.4	1
29	Liquid-liquid phase separation during amphiphilic self-assembly. <i>Nature Chemistry</i> , 2019, 11, 320-328.	13.6	185
30	Challenges in Observing the Formation of Colloidal, Self-Assembled Monolayers with In Situ Electron Microscopy in Liquid. <i>Microscopy and Microanalysis</i> , 2019, 25, 55-56.	0.4	0
31	Photocatalytic activity of exfoliated graphite-TiO <sub>2</sub> nanoparticle composites. <i>Nanoscale</i> , 2019, 11, 19301-19314.	5.6	18
32	Binary Colloidal Nanoparticle Concentration Gradients in a Centrifugal Field at High Concentration. <i>Nano Letters</i> , 2019, 19, 1136-1142.	9.1	13
33	Assembly and activation of supported cobalt nanocrystal catalysts for the Fischer-Tropsch synthesis. <i>Chemical Communications</i> , 2018, 54, 2530-2533.	4.1	21
34	Molecular nucleation mechanisms and control strategies for crystal polymorph selection. <i>Nature</i> , 2018, 556, 89-94.	27.8	150
35	Proteins as supramolecular hosts for C <sub>60</sub> : a true solution of C <sub>60</sub> in water. <i>Nanoscale</i> , 2018, 10, 9908-9916.	5.6	33
36	A roadmap for poly(ethylene oxide)-poly( $\epsilon$ -caprolactone self-assembly in water: Prediction, synthesis, and characterization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 330-339.	2.1	24

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37	Tunable Stimuli-Responsive Color-Change Properties of Layered Organic Composites. <i>Advanced Functional Materials</i> , 2018, 28, 1804906.	14.9	48
38	Microscopic structure of the polymer-induced liquid precursor for calcium carbonate. <i>Nature Communications</i> , 2018, 9, 2582.	12.8	100
39	Aragonite formation in confinements: A step toward understanding polymorph control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8469-8471.	7.1	18
40	Native Chemical Ligation for Cross-Linking of Flower-Like Micelles. <i>Biomacromolecules</i> , 2018, 19, 3766-3775.	5.4	26
41	Early Transition Metal Doped Tungstite as an Effective Catalyst for Glucose Upgrading to 5-Hydroxymethylfurfural. <i>Catalysis Letters</i> , 2018, 148, 3093-3101.	2.6	16
42	Liquid Phase Electron Microscopy of Soft Matter. <i>Microscopy and Microanalysis</i> , 2018, 24, 248-249.	0.4	1
43	Combinatorial Evolution of Biomimetic Magnetite Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1604863.	14.9	19
44	Mesoporous Silica Nanoparticle-Coated Microneedle Arrays for Intradermal Antigen Delivery. <i>Pharmaceutical Research</i> , 2017, 34, 1693-1706.	3.5	40
45	A classical view on nonclassical nucleation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7882-E7890.	7.1	181
46	Controlling the melting transition of semi-crystalline self-assembled block copolymer aggregates: controlling release rates of ibuprofen. <i>Polymer Chemistry</i> , 2017, 8, 5303-5316.	3.9	9
47	Transmission Electron Microscopy for Chemists. <i>Accounts of Chemical Research</i> , 2017, 50, 1795-1796.	15.6	9
48	CryoTEM as an Advanced Analytical Tool for Materials Chemists. <i>Accounts of Chemical Research</i> , 2017, 50, 1495-1501.	15.6	82
49	Silicanin-1 is a conserved diatom membrane protein involved in silica biomineralization. <i>BMC Biology</i> , 2017, 15, 65.	3.8	61
50	A Mesocrystal-Like Morphology Formed by Classical Polymer-Mediated Crystal Growth. <i>Advanced Functional Materials</i> , 2017, 27, 1701658.	14.9	12
51	Nucleation Pathways in Electrolyte Solutions. , 2017, , 1-24.		14
52	Bioinspired synthesis of magnetite nanoparticles. <i>Chemical Society Reviews</i> , 2016, 45, 5085-5106.	38.1	97
53	The evolution of bicontinuous polymeric nanospheres in aqueous solution. <i>Soft Matter</i> , 2016, 12, 4113-4122.	2.7	19
54	Poly(acrylic acid)-directed synthesis of colloiddally stable single domain magnetite nanoparticles via partial oxidation. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 366-372.	2.3	18

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55	Bioinspired magnetite synthesis via solid precursor phases. <i>Chemical Science</i> , 2016, 7, 5624-5634.	7.4	23
56	Control of magnetite nanocrystal morphology in magnetotactic bacteria by regulation of mms7 gene expression. <i>Scientific Reports</i> , 2016, 6, 29785.	3.3	28
57	Mesoporous Silica Nanoparticles with Large Pores for the Encapsulation and Release of Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32211-32219.	8.0	111
58	Investigating materials formation with liquid-phase and cryogenic TEM. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	153
59	Studying Polymer Self-Assembly by Combined Cryogenic and Liquid Phase Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 14-15.	0.4	2
60	Smectic liquid crystal polymers as a template for ultrathin CaCO <sub>3</sub> nanolayers. <i>RSC Advances</i> , 2016, 6, 13953-13956.	3.6	6
61	Hybrid Materials Engineering in Biology, Chemistry, and Physics. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1086-1088.	2.0	3
62	Two-dimensional Hybrid Materials: Transferring Technology from Biology to Society. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1089-1095.	2.0	7
63	Precipitation of Amorphous Calcium Oxalate in Aqueous Solution. <i>Chemistry of Materials</i> , 2015, 27, 3999-4007.	6.7	53
64	Suspended crystalline films of protein hydrophobin I (HFBI). <i>Journal of Colloid and Interface Science</i> , 2015, 447, 107-112.	9.4	6
65	Calcium carbonate nucleation driven by ion binding in a biomimetic matrix revealed by in situ electron microscopy. <i>Nature Materials</i> , 2015, 14, 394-399.	27.5	353
66	Visualizing order in dispersions and solid state morphology with Cryo-TEM and electron tomography: P3HT:PCBM organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5031-5040.	10.3	23
67	Graphene oxide single sheets as substrates for high resolution cryoTEM. <i>Soft Matter</i> , 2015, 11, 1265-1270.	2.7	26
68	Bioinspired Magnetite Crystallization Directed by Random Copolypeptides. <i>Advanced Functional Materials</i> , 2015, 25, 711-719.	14.9	32
69	Writing Silica Structures in Liquid with Scanning Transmission Electron Microscopy. <i>Small</i> , 2015, 11, 585-590.	10.0	31
70	Bioinspired magnetite formation from a disordered ferrihydrite-derived precursor. <i>Faraday Discussions</i> , 2015, 179, 215-225.	3.2	19
71	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2457-2461.	13.8	56
72	Crystallization by particle attachment in synthetic, biogenic, and geologic environments. <i>Science</i> , 2015, 349, aaa6760.	12.6	1,467

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73	Time and space resolved methods: general discussion. Faraday Discussions, 2015, 179, 247-267.	3.2	7
74	Stable ferrofluids of magnetite nanoparticles in hydrophobic ionic liquids. Nanotechnology, 2015, 26, 285602.	2.6	22
75	Time and Space resolved Methods: general discussion. Faraday Discussions, 2015, 177, 263-292.	3.2	1
76	Partial Oxidation as a Rational Approach to Kinetic Control in Bioinspired Magnetite Synthesis. Chemistry - A European Journal, 2015, 21, 6150-6156.	3.3	21
77	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. Angewandte Chemie, 2015, 127, 2487-2491.	2.0	13
78	Deterioration in effective thermal conductivity of aqueous magnetic nanofluids. Journal of Applied Physics, 2014, 116, .	2.5	17
79	A Bioinspired Coprecipitation Method for the Controlled Synthesis of Magnetite Nanoparticles. Crystal Growth and Design, 2014, 14, 5561-5568.	3.0	61
80	Coiled coil driven membrane fusion between cyclodextrin vesicles and liposomes. Soft Matter, 2014, 10, 9746-9751.	2.7	16
81	The polymerisation of oligo(ethylene glycol methyl ether) methacrylate from a multifunctional poly(ethylene imine) derived amide: a stabiliser for the synthesis and dispersion of magnetite nanoparticles. Polymer Chemistry, 2014, 5, 524-534.	3.9	12
82	Nucleation and Growth of Monodisperse Silica Nanoparticles. Nano Letters, 2014, 14, 1433-1438.	9.1	165
83	Three-Dimensional Structure of P3HT Assemblies in Organic Solvents Revealed by Cryo-TEM. Nano Letters, 2014, 14, 2033-2038.	9.1	74
84	Crystals competing for space. Nature Materials, 2014, 13, 1078-1079.	27.5	21
85	Peptide Amphiphile Nanoparticles Enhance the Immune Response Against a CpG-Adjuvanted Influenza Antigen. Advanced Healthcare Materials, 2014, 3, 343-348.	7.6	10
86	Semi-crystalline block copolymer bicontinuous nanospheres for thermoresponsive controlled release. RSC Advances, 2014, 4, 26354-26358.	3.6	29
87	Gold Nanorods with Sub-Nanometer Separation using Cucurbit[ <i>n</i> ]uril for SERS Applications. Small, 2014, 10, 4298-4303.	10.0	50
88	Design and self-assembly of simple coat proteins for artificial viruses. Nature Nanotechnology, 2014, 9, 698-702.	31.5	146
89	Library of Random Copolypeptides by Solid Phase Synthesis. Biomacromolecules, 2014, 15, 3687-3695.	5.4	9
90	Enzymatic pH control for biomimetic deposition of calcium phosphate coatings. Acta Biomaterialia, 2014, 10, 931-939.	8.3	21

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91	Self-Assembly of Chiral Supramolecular Ureido-Pyrimidinone-Based Poly(ethylene glycol) Polymers via Multiple Pathways. <i>Macromolecules</i> , 2014, 47, 3823-3828.	4.8	13
92	Directed assembly of optoelectronically active alkyl- $\pi$ -conjugated molecules by adding n-alkanes or $\pi$ -conjugated species. <i>Nature Chemistry</i> , 2014, 6, 690-696.	13.6	92
93	Hollow Block Copolymer Nanoparticles through a Spontaneous One-step Structural Reorganization. <i>ACS Nano</i> , 2013, 7, 1120-1128.	14.6	31
94	In vitro models of collagen biomineralization. <i>Journal of Structural Biology</i> , 2013, 183, 258-269.	2.8	215
95	Nucleation and growth of magnetite from solution. <i>Nature Materials</i> , 2013, 12, 310-314.	27.5	583
96	Ion-association complexes unite classical and non-classical theories for the biomimetic nucleation of calcium phosphate. <i>Nature Communications</i> , 2013, 4, 1507.	12.8	602
97	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 890-896.	6.7	44
98	Bicontinuous Nanospheres from Simple Amorphous Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2013, 46, 9845-9848.	4.8	36
99	Random Poly(Amino Acid)s Synthesized by Ring Opening Polymerization as Additives in the Biomimetic Mineralization of CaCO <sub>3</sub> . <i>Polymers</i> , 2012, 4, 1195-1210.	4.5	26
100	Biomimetic synthesis of calcium carbonate bilayers interfaced by a diblock copolymer template. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2012, 227, 739-743.	0.8	0
101	Polymer Inclusions in Biomimetic Calcite. <i>Microscopy and Microanalysis</i> , 2012, 18, 574-575.	0.4	0
102	Assessing internal structure of polymer assemblies from 2D to 3D CryoTEM: Bicontinuous micelles. <i>Current Opinion in Colloid and Interface Science</i> , 2012, 17, 343-349.	7.4	35
103	High-Magnesian Calcite Mesocrystals: A Coordination Chemistry Approach. <i>Journal of the American Chemical Society</i> , 2012, 134, 1367-1373.	13.7	65
104	The role of the amorphous phase on the biomimetic mineralization of collagen. <i>Faraday Discussions</i> , 2012, 159, 357.	3.2	73
105	Controlling the Size, Shape and Stability of Supramolecular Polymers in Water. <i>Journal of Visualized Experiments</i> , 2012, , e3975.	0.3	1
106	Polymer-induced liquid precursor (PILP) phases of calcium carbonate formed in the presence of synthetic acidic polypeptides—relevance to biomineralization. <i>Faraday Discussions</i> , 2012, 159, 327.	3.2	47
107	Significance of the Amide Functionality on DOPA-Based Monolayers on Gold. <i>Langmuir</i> , 2012, 28, 16900-16908.	3.5	14
108	Peptide nanotube formation: a crystal growth process. <i>Soft Matter</i> , 2012, 8, 7463.	2.7	36

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109	Hierarchical Formation of Supramolecular Transient Networks in Water: A Modular Injectable Delivery System. <i>Advanced Materials</i> , 2012, 24, 2703-2709.	21.0	247
110	Biom mineralization as an Inspiration for Materials Chemistry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6582-6596.	13.8	426
111	A Triptycene-Based Approach to Solubilising Carbon Nanotubes and C <sub>60</sub> . <i>Chemistry - A European Journal</i> , 2012, 18, 8716-8723.	3.3	20
112	Biomimetic Mineralization of Calcium Phosphate on a Functionalized Porous Silicon Carbide Biomaterial. <i>ChemPlusChem</i> , 2012, 77, 694-699.	2.8	6
113	Think Positive: Phase Separation Enables a Positively Charged Additive to Induce Dramatic Changes in Calcium Carbonate Morphology. <i>Advanced Functional Materials</i> , 2012, 22, 907-915.	14.9	128
114	The binding of CNA35 contrast agents to collagen fibrils. <i>Chemical Communications</i> , 2011, 47, 1503-1505.	4.1	24
115	Cryo-electron tomography: 3-dimensional imaging of soft matter. <i>Soft Matter</i> , 2011, 7, 17-24.	2.7	54
116	Fluorescein functionalized random amino acid copolymers in the biomimetic synthesis of CaCO <sub>3</sub> . <i>Soft Matter</i> , 2011, 7, 9685.	2.7	18
117	Complex morphologies of self-assembled block copolymer micelles in binary solvent mixtures: the role of solvent-solvent correlations. <i>Soft Matter</i> , 2011, 7, 6622.	2.7	41
118	Effect of pH on Complex Coacervate Core Micelles from Fe(III)-Based Coordination Polymer. <i>Langmuir</i> , 2011, 27, 14776-14782.	3.5	22
119	Self-assembly of calcium phosphate nanoparticles into hollow spheres induced by dissolved amino acids. <i>Journal of Materials Chemistry</i> , 2011, 21, 9219.	6.7	35
120	New micellar morphologies from amphiphilic block copolymers: disks, toroids and bicontinuous micelles. <i>Polymer Chemistry</i> , 2011, 2, 1018-1028.	3.9	269
121	Controlled Supramolecular Oligomerization of C <sub>3</sub> -Symmetrical Molecules in Water: The Impact of Hydrophobic Shielding. <i>Chemistry - A European Journal</i> , 2011, 17, 5193-5203.	3.3	51
122	Transient phases and prenucleation clusters in biomimetic calcium phosphate mineralization. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C116-C116.	0.3	0
123	In vivo bioactivity of DNA-based coatings: An experimental study in rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 931-941.	4.0	6
124	Lessons from Nature—Biomimetic Approaches to Minerals with Complex Structures. <i>MRS Bulletin</i> , 2010, 35, 116-121.	3.5	40
125	Imaging of Self-Assembled Structures: Interpretation of TEM and Cryo-TEM Images. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7850-7858.	13.8	202
126	The role of collagen in bone apatite formation in the presence of hydroxyapatite nucleation inhibitors. <i>Nature Materials</i> , 2010, 9, 1004-1009.	27.5	960

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127	The role of prenucleation clusters in surface-induced calcium phosphate crystallization. <i>Nature Materials</i> , 2010, 9, 1010-1014.	27.5	623
128	Temperature-Responsive Nanospheres with Bicontinuous Internal Structures from a Semicrystalline Amphiphilic Block Copolymer. <i>Journal of the American Chemical Society</i> , 2010, 132, 10256-10259.	13.7	91
129	The Development of Morphology and Structure in Hexagonal Vaterite. <i>Journal of the American Chemical Society</i> , 2010, 132, 11560-11565.	13.7	107
130	Uniting Polypeptides with Sequence-Designed Peptides: Synthesis and Assembly of Poly( $\beta$ -benzyl) L-glutamate/Overlock 10 Tf 50 2370-2377.	13.7	57
131	In situ techniques in biomimetic mineralization studies of calcium carbonate. <i>Chemical Society Reviews</i> , 2010, 39, 397-409.	38.1	117
132	Stabilization of amorphous calcium carbonate by controlling its particle size. <i>Nanoscale</i> , 2010, 2, 2436.	5.6	46
133	Cryogenic electron tomography reveals the template effect of chitosan in biomimetic silicification. <i>Chemical Communications</i> , 2010, 46, 1703.	4.1	14
134	Kinetic switching between two modes of bisurea surfactant self-assembly. <i>Chemical Communications</i> , 2010, 46, 6063.	4.1	16
135	The Initial Stages of Template-Controlled CaCO <sub>3</sub> Formation Revealed by Cryo-TEM. <i>Science</i> , 2009, 323, 1455-1458.	12.6	831
136	Osmotically Shrunken LIPOCEST Agents: An Innovative Class of Magnetic Resonance Imaging Contrast Media Based on Chemical Exchange Saturation Transfer. <i>Chemistry - A European Journal</i> , 2009, 15, 1440-1448.	3.3	50
137	Morphology, binding behavior and MR properties of paramagnetic collagen-binding liposomes. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 81-88.	0.8	42
138	A Reduced SNARE Model for Membrane Fusion. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2330-2333.	13.8	145
139	Self-assembly of soft nanoparticles with tunable patchiness. <i>Nature Nanotechnology</i> , 2009, 4, 721-726.	31.5	129
140	Well-Defined, Multifunctional Nanostructures of a Paramagnetic Lipid and a Lipopeptide for Macrophage Imaging. <i>Journal of the American Chemical Society</i> , 2009, 131, 406-407.	13.7	28
141	Insights into Templated Supramolecular Polymerization: Binding of Naphthalene Derivatives to ssDNA Templates of Different Lengths. <i>Journal of the American Chemical Society</i> , 2009, 131, 1222-1231.	13.7	86
142	DNA-Coatings: Bioactive Properties and Effects on Osteoblast-Like Cells. <i>Key Engineering Materials</i> , 2008, 361-363, 605-608.	0.4	4
143	Kinetics of avidin-induced clearance of biotinylated bimodal liposomes for improved MR molecular imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1444-1456.	3.0	29
144	Cryo Electron Tomography Reveals Confined Complex Morphologies of Tripeptide-Containing Amphiphilic Double-Comb Diblock Copolymers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8859-8862.	13.8	99

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145	The development of a glove-box/Vitrobot combination: Air-water interface events visualized by cryo-TEM. <i>Ultramicroscopy</i> , 2008, 108, 1478-1483.	1.9	23
146	Biomimetic CaCO <sub>3</sub> Mineralization using Designer Molecules and Interfaces. <i>Chemical Reviews</i> , 2008, 108, 4499-4550.	47.7	400
147	Disk micelles from amphiphilic Janus gold nanoparticles. <i>Chemical Communications</i> , 2008, , 697-699.	4.1	42
148	Electron Tomography Shows Molecular Anchoring Within a Layer-by-Layer Film. <i>Journal of the American Chemical Society</i> , 2008, 130, 12608-12609.	13.7	7
149	A Quasi-Time-Resolved CryoTEM Study of the Nucleation of CaCO <sub>3</sub> under Langmuir Monolayers. <i>Journal of the American Chemical Society</i> , 2008, 130, 4034-4040.	13.7	90
150	Oligo( <i>p</i> -phenylenevinylene)-Peptide Conjugates: Synthesis and Self-Assembly in Solution and at the Solid-Liquid Interface. <i>Journal of the American Chemical Society</i> , 2008, 130, 14576-14583.	13.7	100
151	Noncovalent Triblock Copolymers Based on a Coiled-Coil Peptide Motif. <i>Journal of the American Chemical Society</i> , 2008, 130, 9386-9393.	13.7	85
152	Salinity-dependent diatom biosilicification implies an important role of external ionic strength. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10441-10446.	7.1	88
153	The Self-Assembly of Amphiphilic Oligothiophenes: Hydrogen Bonding and Poly(glutamate) Complexation. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1703-1715.	3.2	13
154	Stepwise Noncovalent Synthesis Leading to Dendrimer-Based Assemblies in Water. <i>Journal of the American Chemical Society</i> , 2007, 129, 15631-15638.	13.7	49
155	Template Adaptability Is Key in the Oriented Crystallization of CaCO <sub>3</sub> . <i>Journal of the American Chemical Society</i> , 2007, 129, 14058-14067.	13.7	65
156	Calcium carbonate thin films as biomaterial coatings using DNA as crystallization inhibitor. <i>CrystEngComm</i> , 2007, 9, 1209.	2.6	58
157	In Vitro and In Vivo Effects of Deoxyribonucleic Acid-Based Coatings Functionalized with Vascular Endothelial Growth Factor. <i>Tissue Engineering</i> , 2007, 13, 711-720.	4.6	22
158	Structural adaptability in an organic template for CaCO <sub>3</sub> mineralization. <i>CrystEngComm</i> , 2007, 9, 1192.	2.6	28
159	Molecular Recognition Controls the Organization of Mixed Self-Organized Bis-Urea-Based Mineralization Templates for CaCO <sub>3</sub> . <i>Langmuir</i> , 2007, 23, 12655-12662.	3.5	11
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