

Nico A J M Sommerdijk

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257 papers	16,748 citations	65 h-index	123 g-index
279 ext. papers	18,496 ext. citations	11.2 avg, IF	6.6 L-index

#	Paper	IF	Citations
257	Anionic Lipid Nanoparticles Preferentially Deliver mRNA to the Hepatic Reticuloendothelial System.. <i>Advanced Materials</i> , 2022 , e2201095	24	3
256	SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids.. <i>Cell Stem Cell</i> , 2021 ,	18	24
255	Visualizing Biological Tissues: A Multiscale Workflow from Live Imaging to 3D Cryo-CLEM. <i>Microscopy and Microanalysis</i> , 2021 , 27, 11-12	0.5	0
254	An Organoid for Woven Bone. <i>Advanced Functional Materials</i> , 2021 , 31, 2010524	15.6	10
253	Nucleation of protein mesocrystals via oriented attachment. <i>Nature Communications</i> , 2021 , 12, 3902	17.4	7
252	Spontaneous organization of supracolloids into three-dimensional structured materials. <i>Nature Materials</i> , 2021 , 20, 541-547	27	8
251	HPM live ¶for a full CLEM workflow. <i>Methods in Cell Biology</i> , 2021 , 162, 115-149	1.8	2
250	Crystallization via Oriented Attachment of Nanoclusters with Short-Range Order in Solution. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1143-1149	3.8	2
249	Liquid-Phase Electron Microscopy for Soft Matter Science and Biology. <i>Advanced Materials</i> , 2020 , 32, e2001582	24	40
248	Graphene Liquid Cells Assembled through Loop-Assisted Transfer Method and Located with Correlated Light-Electron Microscopy. <i>Advanced Functional Materials</i> , 2020 , 30, 1904468	15.6	12
247	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	16.7	17
246	Crystallization by particle attachment is a colloidal assembly process. <i>Nature Materials</i> , 2020 , 19, 391-396	17	47
245	Nanohybrid Materials with Tunable Birefringence via Cation Exchange in Polymer Films. <i>Advanced Functional Materials</i> , 2020 , 30, 1907456	15.6	9
244	Intermolecular channels direct crystal orientation in mineralized collagen. <i>Nature Communications</i> , 2020 , 11, 5068	17.4	37
243	Disordered Filaments Mediate the Fibrillogenesis of Type I Collagen in Solution. <i>Biomacromolecules</i> , 2020 , 21, 3631-3643	6.9	2
242	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020 , 183, 786-801.e19	56.2	42
241	Supramolecular Double Helices from Small C-Symmetrical Molecules Aggregated in Water. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17644-17652	16.4	15

240	Simulation of Calcium Phosphate Prenucleation Clusters in Aqueous Solution: Association beyond Ion Pairing. <i>Crystal Growth and Design</i> , 2019 , 19, 6422-6430	3.5	20
239	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	3.8	8
238	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	13	16
237	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	4.4	21
236	A Biomimetic Model for Mineralization of Type-I Collagen Fibrils. <i>Methods in Molecular Biology</i> , 2019 , 1944, 39-54	1.4	6
235	Formation of Hierarchical Hybrid Silica-Polymer Using Quantitative Cryo- Electron Tomography. <i>Microscopy and Microanalysis</i> , 2019 , 25, 59-60	0.5	0
234	Towards Understanding the Mechanisms behind Templated Growth of 2D Magnetite Platelets via Bio-Inspired Approaches. <i>Microscopy and Microanalysis</i> , 2019 , 25, 61-62	0.5	
233	In-Situ Liquid Phase Electron Microscopy of Beam-Sensitive Materials. <i>Microscopy and Microanalysis</i> , 2019 , 25, 63-64	0.5	1
232	Designing stable, hierarchical peptide fibers from block co-polypeptide sequences. <i>Chemical Science</i> , 2019 , 10, 9001-9008	9.4	5
231	Understanding the Formation Mechanism of Magnetic Mesocrystals with (Cryo-)Electron Microscopy. <i>Chemistry of Materials</i> , 2019 , 31, 7320-7328	9.6	10
230	Osteoporotic Bone Recovery by a Highly Bone-Inductive Calcium Phosphate Polymer-Induced Liquid-Precursor. <i>Advanced Science</i> , 2019 , 6, 1900683	13.6	38
229	Liquid-liquid phase separation during amphiphilic self-assembly. <i>Nature Chemistry</i> , 2019 , 11, 320-328	17.6	115
228	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	0.5	
227	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , 2019 , 11, 19301-19314	17.7	12
226	Binary Colloidal Nanoparticle Concentration Gradients in a Centrifugal Field at High Concentration. <i>Nano Letters</i> , 2019 , 19, 1136-1142	11.5	6
225	Assembly and activation of supported cobalt nanocrystal catalysts for the Fischer-Tropsch synthesis. <i>Chemical Communications</i> , 2018 , 54, 2530-2533	5.8	15
224	Molecular nucleation mechanisms and control strategies for crystal polymorph selection. <i>Nature</i> , 2018 , 556, 89-94	50.4	102
223	Proteins as supramolecular hosts for C: a true solution of C in water. <i>Nanoscale</i> , 2018 , 10, 9908-9916	7.7	25

222	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	11.5	12
221	Native Chemical Ligation for Cross-Linking of Flower-Like Micelles. <i>Biomacromolecules</i> , 2018 , 19, 3766-3775	11.5	16
220	Early Transition Metal Doped Tungstite as an Effective Catalyst for Glucose Upgrading to 5-Hydroxymethylfurfural. <i>Catalysis Letters</i> , 2018 , 148, 3093-3101	2.8	15
219	Liquid Phase Electron Microscopy of Soft Matter. <i>Microscopy and Microanalysis</i> , 2018 , 24, 248-249	0.5	0
218	A roadmap for poly(ethylene oxide)-block-poly-ε-caprolactone self-assembly in water: Prediction, synthesis, and characterization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 56, 330-339	2.6	20
217	Tunable Stimuli-Responsive Color-Change Properties of Layered Organic Composites. <i>Advanced Functional Materials</i> , 2018 , 28, 1804906	15.6	34
216	Microscopic structure of the polymer-induced liquid precursor for calcium carbonate. <i>Nature Communications</i> , 2018 , 9, 2582	17.4	54
215	Combinatorial Evolution of Biomimetic Magnetite Nanoparticles. <i>Advanced Functional Materials</i> , 2017 , 27, 1604863	15.6	11
214	Mesoporous Silica Nanoparticle-Coated Microneedle Arrays for Intradermal Antigen Delivery. <i>Pharmaceutical Research</i> , 2017 , 34, 1693-1706	4.5	32
213	Silicanin-1 is a conserved diatom membrane protein involved in silica biomineralization. <i>BMC Biology</i> , 2017 , 15, 65	7.3	41
212	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	11.5	116
211	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	4.9	7
210	Transmission Electron Microscopy for Chemists. <i>Accounts of Chemical Research</i> , 2017 , 50, 1795-1796	24.3	6
209	CryoTEM as an Advanced Analytical Tool for Materials Chemists. <i>Accounts of Chemical Research</i> , 2017 , 50, 1495-1501	24.3	61
208	Nucleation Pathways in Electrolyte Solutions 2017 , 1-24		13
207	A Mesocrystal-Like Morphology Formed by Classical Polymer-Mediated Crystal Growth. <i>Advanced Functional Materials</i> , 2017 , 27, 1701658	15.6	8
206	Control of magnetite nanocrystal morphology in magnetotactic bacteria by regulation of mms7 gene expression. <i>Scientific Reports</i> , 2016 , 6, 29785	4.9	22
205	Mesoporous Silica Nanoparticles with Large Pores for the Encapsulation and Release of Proteins. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32211-32219	9.5	87

204	Investigating materials formation with liquid-phase and cryogenic TEM. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	121
203	Studying Polymer Self-Assembly by Combined Cryogenic and Liquid Phase Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016 , 22, 14-15	0.5	2
202	Smectic liquid crystal polymers as a template for ultrathin CaCO ₃ nanolayers. <i>RSC Advances</i> , 2016 , 6, 13953-13956	3.7	5
201	In-situ and cryogenic electron microscopic study of genesis and dynamics of cobalt nanoparticle formation 2016 , 113-114		
200	Bioinspired synthesis of magnetite nanoparticles. <i>Chemical Society Reviews</i> , 2016 , 45, 5085-106	58.5	75
199	The evolution of bicontinuous polymeric nanospheres in aqueous solution. <i>Soft Matter</i> , 2016 , 12, 4113-236	3.6	17
198	Poly(acrylic acid)-directed synthesis of colloidally stable single domain magnetite nanoparticles via partial oxidation. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 366-372	2.8	12
197	Bioinspired magnetite synthesis solid precursor phases. <i>Chemical Science</i> , 2016 , 7, 5624-5634	9.4	10
196	Controlling internal pore sizes in bicontinuous polymeric nanospheres. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2457-61	16.4	49
195	CRYSTAL GROWTH. Crystallization by particle attachment in synthetic, biogenic, and geologic environments. <i>Science</i> , 2015 , 349, aaa6760	33.3	1035
194	Time and space resolved methods: general discussion. <i>Faraday Discussions</i> , 2015 , 179, 247-67	3.6	6
193	Stable ferrofluids of magnetite nanoparticles in hydrophobic ionic liquids. <i>Nanotechnology</i> , 2015 , 26, 285602	3.4	17
192	Time and Space resolved Methods: general discussion. <i>Faraday Discussions</i> , 2015 , 177, 263-92	3.6	1
191	Partial oxidation as a rational approach to kinetic control in bioinspired magnetite synthesis. <i>Chemistry - A European Journal</i> , 2015 , 21, 6150-6	4.8	15
190	Controlling Internal Pore Sizes in Bicontinuous Polymeric Nanospheres. <i>Angewandte Chemie</i> , 2015 , 127, 2487-2491	3.6	10
189	Hybrid Materials Engineering in Biology, Chemistry, and Physics. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1086-1088	2.3	3
188	Two-Dimensional Hybrid Materials: Transferring Technology from Biology to Society. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1089-1095	2.3	6
187	Precipitation of Amorphous Calcium Oxalate in Aqueous Solution. <i>Chemistry of Materials</i> , 2015 , 27, 3999-4007	40.7	41

186	Suspended crystalline films of protein hydrophobin I (HFBI). <i>Journal of Colloid and Interface Science</i> , 2015 , 447, 107-12	9.3	3
185	Calcium carbonate nucleation driven by ion binding in a biomimetic matrix revealed by in situ electron microscopy. <i>Nature Materials</i> , 2015 , 14, 394-9	27	262
184	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	13	21
183	Graphene oxide single sheets as substrates for high resolution cryoTEM. <i>Soft Matter</i> , 2015 , 11, 1265-70	3.6	18
182	Bioinspired Magnetite Crystallization Directed by Random Copolypeptides. <i>Advanced Functional Materials</i> , 2015 , 25, 711-719	15.6	27
181	Writing silica structures in liquid with scanning transmission electron microscopy. <i>Small</i> , 2015 , 11, 585-90	1	26
180	Bioinspired magnetite formation from a disordered ferrihydrite-derived precursor. <i>Faraday Discussions</i> , 2015 , 179, 215-25	3.6	15
179	Nucleation and growth of monodisperse silica nanoparticles. <i>Nano Letters</i> , 2014 , 14, 1433-8	11.5	137
178	Three-dimensional structure of P3HT assemblies in organic solvents revealed by cryo-TEM. <i>Nano Letters</i> , 2014 , 14, 2033-8	11.5	60
177	Biom mineralization: Crystals competing for space. <i>Nature Materials</i> , 2014 , 13, 1078-9	27	16
176	Peptide amphiphile nanoparticles enhance the immune response against a CpG-adjuvanted influenza antigen. <i>Advanced Healthcare Materials</i> , 2014 , 3, 343-8	10.1	9
175	Semi-crystalline block copolymer bicontinuous nanospheres for thermoresponsive controlled release. <i>RSC Advances</i> , 2014 , 4, 26354-26358	3.7	26
174	Gold nanorods with sub-nanometer separation using cucurbit[n]uril for SERS applications. <i>Small</i> , 2014 , 10, 4298-303	11	41
173	Design and self-assembly of simple coat proteins for artificial viruses. <i>Nature Nanotechnology</i> , 2014 , 9, 698-702	28.7	121
172	Library of random copolypeptides by solid phase synthesis. <i>Biomacromolecules</i> , 2014 , 15, 3687-95	6.9	7
171	Enzymatic pH control for biomimetic deposition of calcium phosphate coatings. <i>Acta Biomaterialia</i> , 2014 , 10, 931-9	10.8	16
170	Self-Assembly of Chiral Supramolecular Ureido-Pyrimidinone-Based Poly(ethylene glycol) Polymers via Multiple Pathways. <i>Macromolecules</i> , 2014 , 47, 3823-3828	5.5	10
169	Directed assembly of optoelectronically active alkyl- π -conjugated molecules by adding n-alkanes or π -conjugated species. <i>Nature Chemistry</i> , 2014 , 6, 690-6	17.6	75

168	Deterioration in effective thermal conductivity of aqueous magnetic nanofluids. <i>Journal of Applied Physics</i> , 2014 , 116, 224904	2.5	13
167	A Bioinspired Coprecipitation Method for the Controlled Synthesis of Magnetite Nanoparticles. <i>Crystal Growth and Design</i> , 2014 , 14, 5561-5568	3.5	49
166	Coiled coil driven membrane fusion between cyclodextrin vesicles and liposomes. <i>Soft Matter</i> , 2014 , 10, 9746-51	3.6	16
165	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. <i>Polymer Chemistry</i> , 2014 , 5, 524-534	4.9	10
164	Hollow block copolymer nanoparticles through a spontaneous one-step structural reorganization. <i>ACS Nano</i> , 2013 , 7, 1120-8	16.7	30
163	In vitro models of collagen biomineralization. <i>Journal of Structural Biology</i> , 2013 , 183, 258-69	3.4	159
162	Nucleation and growth of magnetite from solution. <i>Nature Materials</i> , 2013 , 12, 310-4	27	463
161	Ion-association complexes unite classical and non-classical theories for the biomimetic nucleation of calcium phosphate. <i>Nature Communications</i> , 2013 , 4, 1507	17.4	457
160	Controlling the Distribution of Supported Nanoparticles by Aqueous Synthesis. <i>Chemistry of Materials</i> , 2013 , 25, 890-896	9.6	38
159	Bicontinuous Nanospheres from Simple Amorphous Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2013 , 46, 9845-9848	5.5	35
158	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	15.6	114
157	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	7.6	33
156	High-magnesian calcite mesocrystals: a coordination chemistry approach. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1367-73	16.4	60
155	The role of the amorphous phase on the biomimetic mineralization of collagen. <i>Faraday Discussions</i> , 2012 , 159, 357-370	3.6	57
154	Controlling the size, shape and stability of supramolecular polymers in water. <i>Journal of Visualized Experiments</i> , 2012 , e3975	1.6	1
153	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	3.6	41
152	Significance of the amide functionality on DOPA-based monolayers on gold. <i>Langmuir</i> , 2012 , 28, 16900-8		14
151	Peptide nanotube formation: a crystal growth process. <i>Soft Matter</i> , 2012 , 8, 7463	3.6	29

150	Hierarchical formation of supramolecular transient networks in water: a modular injectable delivery system. <i>Advanced Materials</i> , 2012 , 24, 2703-9	24	210
149	Biominalisation als Inspirationsquelle für die Materialchemie. <i>Angewandte Chemie</i> , 2012 , 124, 6686-6700	9.6	44
148	Biominalization as an inspiration for materials chemistry. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6582-96	16.4	342
147	A triptycene-based approach to solubilising carbon nanotubes and C60. <i>Chemistry - A European Journal</i> , 2012 , 18, 8716-23	4.8	18
146	Biomimetic Mineralization of Calcium Phosphate on a Functionalized Porous Silicon Carbide Biomaterial. <i>ChemPlusChem</i> , 2012 , 77, 694-699	2.8	5
145	Random Poly(Amino Acid)s Synthesized by Ring Opening Polymerization as Additives in the Biomimetic Mineralization of CaCO ₃ . <i>Polymers</i> , 2012 , 4, 1195-1210	4.5	21
144	Biomimetic synthesis of calcium carbonate bilayers interfaced by a diblock copolymer template. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2012 , 227, 739-743	1	
143	Bioinspired Materials Chemistry II: Biominalization as Inspiration for Materials Chemistry 2012 , 139-164		
142	Polymer Inclusions in Biomimetic Calcite. <i>Microscopy and Microanalysis</i> , 2012 , 18, 574-575	0.5	
141	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	3.6	35
140	Effect of pH on complex coacervate core micelles from Fe(III)-based coordination polymer. <i>Langmuir</i> , 2011 , 27, 14776-82	4	20
139	Self-assembly of calcium phosphate nanoparticles into hollow spheres induced by dissolved amino acids. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9219		32
138	New micellar morphologies from amphiphilic block copolymers: disks, toroids and bicontinuous micelles. <i>Polymer Chemistry</i> , 2011 , 2, 1018-1028	4.9	247
137	Controlled supramolecular oligomerization of C ₃ -symmetrical molecules in water: the impact of hydrophobic shielding. <i>Chemistry - A European Journal</i> , 2011 , 17, 5193-203	4.8	48
136	The binding of CNA35 contrast agents to collagen fibrils. <i>Chemical Communications</i> , 2011 , 47, 1503-5	5.8	19
135	Cryo-electron tomography: 3-dimensional imaging of soft matter. <i>Soft Matter</i> , 2011 , 7, 17-24	3.6	48
134	Fluorescein functionalized random amino acid copolymers in the biomimetic synthesis of CaCO ₃ . <i>Soft Matter</i> , 2011 , 7, 9685	3.6	17
133	The role of collagen in bone apatite formation in the presence of hydroxyapatite nucleation inhibitors. <i>Nature Materials</i> , 2010 , 9, 1004-9	27	801

132	The role of prenucleation clusters in surface-induced calcium phosphate crystallization. <i>Nature Materials</i> , 2010 , 9, 1010-4	27	527
131	Temperature-responsive nanospheres with bicontinuous internal structures from a semicrystalline amphiphilic block copolymer. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10256-9	16.4	85
130	The development of morphology and structure in hexagonal vaterite. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11560-5	16.4	91
129	Uniting polypeptides with sequence-designed peptides: synthesis and assembly of poly(γ -benzyl L-glutamate)-b-coiled-coil peptide copolymers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2370-7	16.4	52
128	In situ techniques in biomimetic mineralization studies of calcium carbonate. <i>Chemical Society Reviews</i> , 2010 , 39, 397-409	58.5	100
127	Stabilization of amorphous calcium carbonate by controlling its particle size. <i>Nanoscale</i> , 2010 , 2, 2436-9	7.7	41
126	Cryogenic electron tomography reveals the template effect of chitosan in biomimetic silicification. <i>Chemical Communications</i> , 2010 , 46, 1703-5	5.8	14
125	Kinetic switching between two modes of bisurea surfactant self-assembly. <i>Chemical Communications</i> , 2010 , 46, 6063-5	5.8	15
124	In vivo bioactivity of DNA-based coatings: an experimental study in rats. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 931-41	5.4	5
123	Lessons from NatureBiomimetic Approaches to Minerals with Complex Structures. <i>MRS Bulletin</i> , 2010 , 35, 116-121	3.2	34
122	Abbildung selbstorganisierter Strukturen: Interpretation von TEM- und Kryo-TEM-Aufnahmen. <i>Angewandte Chemie</i> , 2010 , 122, 8022-8031	3.6	16
121	Imaging of self-assembled structures: interpretation of TEM and cryo-TEM images. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7850-8	16.4	168
120	The initial stages of template-controlled CaCO ₃ formation revealed by cryo-TEM. <i>Science</i> , 2009 , 323, 1455-8	33.3	727
119	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, 1440-8	4.8	47
118	Morphology, binding behavior and MR-properties of paramagnetic collagen-binding liposomes. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 81-8	3.2	39
117	A reduced SNARE model for membrane fusion. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2330-4	3.4	118
116	Self-assembly of soft nanoparticles with tunable patchiness. <i>Nature Nanotechnology</i> , 2009 , 4, 721-6	28.7	120
115	Well-defined, multifunctional nanostructures of a paramagnetic lipid and a lipopeptide for macrophage imaging. <i>Journal of the American Chemical Society</i> , 2009 , 131, 406-7	16.4	26

114	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, 1222-31	16.4	79
113	Biomimetic CaCO ₃ mineralization using designer molecules and interfaces. <i>Chemical Reviews</i> , 2008 , 108, 4499-550	68.1	369
112	Disk micelles from amphiphilic Janus gold nanoparticles. <i>Chemical Communications</i> , 2008 , 697-9	5.8	41
111	Electron tomography shows molecular anchoring within a layer-by-layer film. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12608-9	16.4	5
110	A quasi-time-resolved CryoTEM study of the nucleation of CaCO ₃ under langmuir monolayers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4034-40	16.4	81
109	Oligo(p-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, 14576-83	16.4	95
108	Noncovalent triblock copolymers based on a coiled-coil peptide motif. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9386-93	16.4	81
107	Kinetics of avidin-induced clearance of biotinylated bimodal liposomes for improved MR molecular imaging. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1444-56	4.4	24
106	Cryo electron tomography reveals confined complex morphologies of tripeptide-containing amphiphilic double-comb diblock copolymers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8859-62	16.4	87
105	The development of a glove-box/Vitrobot combination: air-water interface events visualized by cryo-TEM. <i>Ultramicroscopy</i> , 2008 , 108, 1478-83	3.1	22
104	Calcium carbonate thin films as biomaterial coatings using DNA as crystallization inhibitor. <i>CrystEngComm</i> , 2007 , 9, 1209	3.3	50
103	In vitro and in vivo effects of deoxyribonucleic acid-based coatings functionalized with vascular endothelial growth factor. <i>Tissue Engineering</i> , 2007 , 13, 711-20		18
102	Structural adaptability in an organic template for CaCO ₃ mineralization. <i>CrystEngComm</i> , 2007 , 9, 1192	3.3	27
101	Molecular recognition controls the organization of mixed self-organized bis-urea-based mineralization templates for CaCO ₃ . <i>Langmuir</i> , 2007 , 23, 12655-62	4	11
100	Insights in the organization of DNA-surfactant monolayers using cryo-electron tomography. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11894-5	16.4	21
99	Highly luminescent CdTe/CdSe colloidal heteronanocrystals with temperature-dependent emission color. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14880-6	16.4	152
98	Self-assembled hybrid oligo(p-phenylenevinylene)-gold nanoparticle tapes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1825-8	16.4	114
97	Macrophage behavior on multilayered DNA-coatings in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 612-20	5.4	14

96	Biological responses to multilayered DNA-coatings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007 , 81, 231-8	3.5	9
95	Multilayered DNA coatings: in vitro bioactivity studies and effects on osteoblast-like cell behavior. <i>Acta Biomaterialia</i> , 2007 , 3, 587-96	10.8	31
94	A virus-based single-enzyme nanoreactor. <i>Nature Nanotechnology</i> , 2007 , 2, 635-9	28.7	350
93	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, 10441-6	11.5	74
92	DNA-Coatings: Bioactive Properties and Effects on Osteoblast-Like Cells. <i>Key Engineering Materials</i> , 2007 , 361-363, 605-608	0.4	4
91	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	5.1	13
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