

Stephen Mann

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437
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189
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460
ext. papers

43,265
ext. citations

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7.69
L-index

#	Paper	IF	Citations
437	Higher-order organization by mesoscale self-assembly and transformation of hybrid nanostructures. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2350-65	16.4	1600
436	Coupled synthesis and self-assembly of nanoparticles to give structures with controlled organization. <i>Nature</i> , 1999 , 402, 393-395	50.4	1255
435	Molecular tectonics in biomineralization and biomimetic materials chemistry. <i>Nature</i> , 1993 , 365, 499-505	50.4	1046
434	Synthesis of inorganic materials with complex form. <i>Nature</i> , 1996 , 382, 313-318	50.4	1031
433	Growth and form of gold nanorods prepared by seed-mediated, surfactant-directed synthesis. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1765-1770		835
432	Molecular recognition in biomineralization. <i>Nature</i> , 1988 , 332, 119-124	50.4	803
431	Self-assembly and transformation of hybrid nano-objects and nanostructures under equilibrium and non-equilibrium conditions. <i>Nature Materials</i> , 2009 , 8, 781-92	27	775
430	Crystallization at Inorganic-organic Interfaces: Biominerals and Biomimetic Synthesis. <i>Science</i> , 1993 , 261, 1286-92	33.3	630
429	Inorganic/Organic Nanotube Composites from Template Mineralization of Tobacco Mosaic Virus. <i>Advanced Materials</i> , 1999 , 11, 253-256	24	619
428	Synthesis of hybrid inorganic/organic mesoporous silica by co-condensation of siloxane and organosiloxane precursors. <i>Chemical Communications</i> , 1996 , 1367-1368	5.8	580
427	Fabrication of Graphene/Polymer Nanocomposites With Higher-Order Three-Dimensional Architectures. <i>Advanced Materials</i> , 2009 , 21, 2180-2184	24	539
426	The Chemistry of Form. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3392-3406	16.4	532
425	Bacterial templating of ordered macrostructures in silica and silica-surfactant mesophases. <i>Nature</i> , 1997 , 385, 420-423	50.4	511
424	Organization of Metallic Nanoparticles Using Tobacco Mosaic Virus Templates. <i>Nano Letters</i> , 2003 , 3, 413-417	11.5	507
423	Controlled crystallization of CaCO ₃ under stearic acid monolayers. <i>Nature</i> , 1988 , 334, 692-695	50.4	462
422	Synthesis of cadmium sulphide superlattices using self-assembled bacterial S-layers. <i>Nature</i> , 1997 , 389, 585-587	50.4	430
421	Aqueous Stabilization and Self-Assembly of Graphene Sheets into Layered Bio-Nanocomposites using DNA. <i>Advanced Materials</i> , 2009 , 21, 3159-3164	24	425

420	Template-free Hydrothermal Synthesis of CuO/Cu ₂ O Composite Hollow Microspheres. <i>Chemistry of Materials</i> , 2007 , 19, 4327-4334	9.6	418
419	Synthesis of inorganic nanophase materials in supramolecular protein cages. <i>Nature</i> , 1991 , 349, 684-687	50.4	409
418	Biomineralization of ferrimagnetic greigite (Fe ₃ S ₄) and iron pyrite (FeS ₂) in a magnetotactic bacterium. <i>Nature</i> , 1990 , 343, 258-261	50.4	398
417	Sol-Gel Synthesis of Organized Matter. <i>Chemistry of Materials</i> , 1997 , 9, 2300-2310	9.6	392
416	Fabrication of hollow porous shells of calcium carbonate from self-organizing media. <i>Nature</i> , 1995 , 377, 320-323	50.4	366
415	Peptide-nucleotide microdroplets as a step towards a membrane-free protocell model. <i>Nature Chemistry</i> , 2011 , 3, 720-4	17.6	333
414	Synthesis of Prussian Blue Nanoparticles and Nanocrystal Superlattices in Reverse Microemulsions We thank the Swiss National Science Foundation for a postdoctoral fellowship to S.V. and the University of Bristol for a postgraduate studentship to M.L. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1793-1796	16.4	323
413	Interfacial assembly of protein-polymer nano-conjugates into stimulus-responsive biomimetic protocells. <i>Nature Communications</i> , 2013 , 4, 2239	17.4	316
412	Nanoparticles can cause DNA damage across a cellular barrier. <i>Nature Nanotechnology</i> , 2009 , 4, 876-83	28.7	303
411	Directed Self-Assembly of Nanoparticles into Macroscopic Materials Using Antibody-Antigen Recognition. <i>Advanced Materials</i> , 1999 , 11, 449-452	24	296
410	Template mineralization of self-assembled anisotropic lipid microstructures. <i>Nature</i> , 1993 , 364, 430-433	50.4	291
409	Dextran templating for the synthesis of metallic and metal oxide sponges. <i>Nature Materials</i> , 2003 , 2, 386-90	27	283
408	Physical properties of type I collagen extracted from fish scales of <i>Pagrus major</i> and <i>Oreochromis niloticus</i> . <i>International Journal of Biological Macromolecules</i> , 2003 , 32, 199-204	7.9	277
407	Template-directed nucleation and growth of inorganic materials. <i>Advanced Materials</i> , 1994 , 6, 9-20	24	273
406	Hierarchical Assembly of Zeolite Nanoparticles into Ordered Macroporous Monoliths Using Core-Shell Building Blocks. <i>Chemistry of Materials</i> , 2000 , 12, 2832-2834	9.6	272
405	Synthesis and characterization of ordered organosilica-surfactant mesophases with functionalized MCM-41-type architecture. <i>Chemical Communications</i> , 1997 , 1769-1770	5.8	260
404	Biomimetic synthesis of cadmium sulfide-ferritin nanocomposites. <i>Advanced Materials</i> , 1996 , 8, 928-932	24	254
403	Interfacial synthesis of hollow microspheres of mesostructured silica. <i>Chemical Communications</i> , 2001 , 2028-9	5.8	253

402	Structure, morphology and crystal growth of bacterial magnetite. <i>Nature</i> , 1984 , 310, 405-407	50.4	251
401	DNA-driven self-assembly of gold nanorods. <i>Chemical Communications</i> , 2001 , 1264-1265	5.8	246
400	Life as a nanoscale phenomenon. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5306-20	16.4	241
399	Fatty acid membrane assembly on coacervate microdroplets as a step towards a hybrid protocell model. <i>Nature Chemistry</i> , 2014 , 6, 527-33	17.6	238
398	Morphosynthesis of Calcium Carbonate (Vaterite) Microsponges. <i>Advanced Materials</i> , 1999 , 11, 324-328	24	235
397	Bioinorganic clays: synthesis and characterization of amino- and polyamino acid intercalated layered double hydroxides. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1623-1629		234
396	Coccolith ultrastructure and biomineralisation. <i>Journal of Structural Biology</i> , 1999 , 126, 195-215	3.4	232
395	Synthesis of Barium Sulfate Nanoparticles and Nanofilaments in Reverse Micelles and Microemulsions. <i>Chemistry of Materials</i> , 1997 , 9, 1819-1828	9.6	231
394	One-step hydrothermal fabrication and photocatalytic activity of surface-fluorinated TiO ₂ hollow microspheres and tabular anatase single micro-crystals with high-energy facets. <i>CrystEngComm</i> , 2010 , 12, 872-879	3.3	226
393	Molecule-Based Magnetic Nanoparticles: Synthesis of Cobalt Hexacyanoferrate, Cobalt Pentacyanonitrosylferrate, and Chromium Hexacyanochromate Coordination Polymers in Water-in-Oil Microemulsions. <i>Nano Letters</i> , 2002 , 2, 225-229	11.5	226
392	Starch Gel Templating of Spongelike Macroporous Silicalite Monoliths and Mesoporous Films. <i>Chemistry of Materials</i> , 2002 , 14, 1369-1375	9.6	208
391	Critical Transitions in the Biofabrication of Abalone Shells and Flat Pearls. <i>Chemistry of Materials</i> , 1996 , 8, 679-690	9.6	202
390	Flat pearls from biofabrication of organized composites on inorganic substrates. <i>Nature</i> , 1994 , 371, 49-51	50.4	201
389	Template-Directed Assembly Using Nanoparticle Building Blocks: A Nanotectonic Approach to Organized Materials. <i>Chemistry of Materials</i> , 2001 , 13, 3218-3226	9.6	200
388	Biomineralization and biomimetic materials chemistry. <i>Journal of Materials Chemistry</i> , 1995 , 5, 935		199
387	Inorganic/Organic Mesostructures with Complex Architectures: Precipitation of Calcium Phosphate in the Presence of Double-Hydrophilic Block Copolymers. <i>Chemistry - A European Journal</i> , 1998 , 4, 2493-2500	4.8	195
386	Designs for life: protocell models in the laboratory. <i>Chemical Society Reviews</i> , 2012 , 41, 79-85	58.5	191
385	Electrostatically gated membrane permeability in inorganic protocells. <i>Nature Chemistry</i> , 2013 , 5, 529-36	17.6	190

384	Morphological influence of functionalized and non-functionalized dicarboxylates on calcite crystallization. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 1873-1880		182
383	Liquid crystalline assemblies of ordered gold nanorods. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2909-2912		179
382	Biomimetic Synthesis and Characterization of Magnetic Proteins (Magnetoferritin). <i>Chemistry of Materials</i> , 1998 , 10, 279-285	9.6	179
381	Predatory behaviour in synthetic protocell communities. <i>Nature Chemistry</i> , 2017 , 9, 110-119	17.6	177
380	Phospholipid vesicles as a model system for biomineralization. <i>Nature</i> , 1986 , 324, 565-567	50.4	175
379	Crystal assembly and phylogenetic evolution in heterococcoliths. <i>Nature</i> , 1992 , 356, 516-518	50.4	174
378	Spontaneous formation of a tungsten trioxide sphere-in-shell superstructure by chemically induced self-transformation. <i>Small</i> , 2008 , 4, 87-91	11	173
377	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. <i>Journal of Inorganic Biochemistry</i> , 1995 , 58, 59-68	4.2	172
376	Emergence of Morphological Complexity in BaSO ₄ Fibers Synthesized in AOT Microemulsions. <i>Langmuir</i> , 2000 , 16, 7088-7094	4	170
375	Synthesis of mesoporous silica by sol-gel mineralisation of cellulose nanorod nematic suspensions. <i>Journal of Materials Chemistry</i> , 2003 , 13, 696-699		169
374	Mineralization in biological systems 1983 , 125-174		168
373	Morphosynthesis of complex inorganic forms using pollen grain templates. <i>Chemical Communications</i> , 2003 , 2784-5	5.8	167
372	Influence of low-molecular-weight and macromolecular organic additives on the morphology of calcium carbonate. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 2891		165
371	Synthesis and characterization of amino acid-functionalized hydroxyapatite nanorods. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2277		164
370	Molecular Construction of Oriented Inorganic Materials: Controlled Nucleation of Calcite and Aragonite under Compressed Langmuir Monolayers. <i>Chemistry of Materials</i> , 1994 , 6, 311-318	9.6	163
369	Systems of creation: the emergence of life from nonliving matter. <i>Accounts of Chemical Research</i> , 2012 , 45, 2131-41	24.3	162
368	Geordnete mesoskopische Strukturen durch Selbstorganisation und Transformation von Hybrid-Nanostrukturen. <i>Angewandte Chemie</i> , 2003 , 115, 2452-2468	3.6	160
367	Template Mineralization of Ordered Macroporous Chitin/Bilica Composites Using a Cuttlebone-Derived Organic Matrix. <i>Chemistry of Materials</i> , 2000 , 12, 2835-2837	9.6	160

366	Facile synthesis of hollow silica microspheres. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1968-1971		159
365	Synthesis, Characterization, and Reactivity of Layered Inorganic/Organic Nanocomposites Based on 2:1 Trioctahedral Phyllosilicates. <i>Chemistry of Materials</i> , 1997 , 9, 1071-1073	9.6	152
364	Chiral templating of silica-lipid lamellar mesophase with helical tubular architecture. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2988-91	16.4	152
363	Formation of BaSO ₄ fibres with morphological complexity in aqueous polymer solutions. <i>Chemistry - A European Journal</i> , 2001 , 7, 3526-32	4.8	148
362	Magnetoferritin: characterization of a novel superparamagnetic MR contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 1994 , 4, 497-505	5.6	147
361	Structure and composition of ferritin cores isolated from human spleen, limpet (<i>Patella vulgata</i>) hemolymph and bacterial (<i>Pseudomonas aeruginosa</i>) cells. <i>Journal of Molecular Biology</i> , 1986 , 188, 225-325	6.5	145
360	Multifunctional porous microspheres based on peptide-porphyrin hierarchical co-assembly. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2366-70	16.4	143
359	Influence of site-directed modifications on the formation of iron cores in ferritin. <i>Journal of Molecular Biology</i> , 1991 , 221, 1443-52	6.5	143
358	Template-directed synthesis of aragonite under supramolecular hydrogen-bonded langmuir monolayers. <i>Advanced Materials</i> , 1997 , 9, 124-127	24	141
357	Cocondensation of Organosilica Hybrid Shells on Nanoparticle Templates: A Direct Synthetic Route to Functionalized Core/Shell Colloids. <i>Langmuir</i> , 2000 , 16, 1454-1456	4	139
356	Fabrication of hybrid nanocapsules by calcium phosphate mineralization of shell cross-linked polymer micelles and nanocages. <i>Nano Letters</i> , 2005 , 5, 1457-61	11.5	138
355	Bacterial templating of zeolite fibres with hierarchical structure. <i>Chemical Communications</i> , 2000 , 781-782	28	138
354	DNA-based communication in populations of synthetic protocells. <i>Nature Nanotechnology</i> , 2019 , 14, 369-378	28.7	137
353	Design and construction of higher-order structure and function in proteinosome-based protocells. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9225-34	16.4	131
352	Organization of Inorganic Nanoparticles Using Biotin/Streptavidin Connectors. <i>Chemistry of Materials</i> , 1999 , 11, 23-26	9.6	127
351	Synthetic cellularity based on non-lipid micro-compartments and protocell models. <i>Current Opinion in Chemical Biology</i> , 2014 , 22, 1-11	9.7	125
350	Template-directed synthesis of bi-functionalized organo-MCM-41 and phenyl-MCM-48 silica mesophases. <i>Chemical Communications</i> , 1999 , 201-202	5.8	125
349	In vitro gene expression within membrane-free coacervate protocells. <i>Chemical Communications</i> , 2015 , 51, 11429-32	5.8	122

348	Synthesis of hierarchically ordered dye-functionalised mesoporous silica with macroporous architecture by dual templating. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2105-2108		119
347	Oriented crystallization of CaCO ₃ under compressed monolayers. Part 2. Morphology, structure and growth of immature crystals. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 735-743		118
346	Morphosynthesis of Octacalcium Phosphate Hollow Microspheres by Polyelectrolyte-Mediated Crystallization. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2163	16.4	117
345	Synthesis of titania hollow microspheres using non-aqueous emulsions. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1112-1114		117
344	Synthetic and biological composites formed by in situ precipitation. <i>Journal of Materials Science</i> , 1988 , 23, 3801-3815	4.3	114
343	Synthesis and self-assembly of organoclay-wrapped biomolecules. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4928-33	16.4	112
342	Organic template-directed inorganic crystallization: oriented nucleation of barium sulfate under compressed Langmuir monolayers. <i>Journal of the American Chemical Society</i> , 1992 , 114, 4681-4686	16.4	112
341	Fe ₃ O ₄ and Fe ₃ S ₄ in a bacterium. <i>Nature</i> , 1993 , 366, 218-218	50.4	112
340	Hybrid lamellar nanocomposites based on organically functionalized magnesium phyllosilicate clays with interlayer reactivity. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1927-1932		109
339	Nucleation of MCM-41 Nanoparticles by Internal Reorganization of Disordered and Nematic-Like Silica Surfactant Clusters. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2151	16.4	108
338	Synthesis and shape modification of organo-functionalised silica nanoparticles with ordered mesostructured interiors. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1023-1029		108
337	Reconstituted and native iron-cores of bacterioferritin and ferritin. <i>Journal of Molecular Biology</i> , 1987 , 198, 405-16	6.5	108
336	Solvent-free protein liquids and liquid crystals. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6242-6	16.4	105
335	Spontaneous template-free assembly of ordered macroporous titania. <i>Chemical Communications</i> , 2004 , 568-9	5.8	105
334	Covalent coupling of an organic chromophore into functionalized MCM-41 mesophases by template-directed co-condensation. <i>Chemical Communications</i> , 1998 , 1825-1826	5.8	105
333	Transparent thin films and monoliths prepared from dye-functionalized ordered silica mesostructures. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2279-2281		105
332	The origins of life: old problems, new chemistries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 155-62	16.4	103
331	Aragonite to Hydroxyapatite Conversion in Gastropod (Abalone) Nacre. <i>Chemistry of Materials</i> , 1998 , 10, 3813-3824	9.6	102

330	Organic Crystal Templating of Hollow Silica Fibers. <i>Chemistry of Materials</i> , 1999 , 11, 3021-3024	9.6	102
329	Mössbauer spectroscopic studies of the cores of human, limpet and bacterial ferritins. <i>BBA - Proteins and Proteomics</i> , 1986 , 870, 127-34		102
328	Influence of surfactant assembly on the formation of calcium phosphate materials: a model for dental enamel formation. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3317		101
327	Oriented crystallization of CaCO ₃ under compressed monolayers. Part 1. Morphological studies of mature crystals. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 727-734		101
326	Magnetotactic bacteria: microbiology, biomineralization, palaeomagnetism and biotechnology. <i>Advances in Microbial Physiology</i> , 1990 , 31, 125-81	4.4	100
325	Site-specific organization of gold nanoparticles by biomolecular templating. <i>ChemPhysChem</i> , 2001 , 2, 184-6	3.2	99
324	Hierarchical Proteinosomes for Programmed Release of Multiple Components. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7095-100	16.4	96
323	Template-free hydrothermal fabrication of hierarchically organized Fe ₃ O ₄ /AlOOH hollow microspheres. <i>Microporous and Mesoporous Materials</i> , 2009 , 122, 42-47	5.3	95
322	Hierarchical Self-assembly of Microscale Cog-like Superstructures for Enhanced Performance in Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2011 , 21, 3516-3523	15.6	94
321	Fabrication of Continuous and Segmented Polymer/Metal Oxide Nanowires Using Cylindrical Micelles and Block Copolymers as Templates. <i>Advanced Materials</i> , 2009 , 21, 1805-1808	24	94
320	Phagocytosis-inspired behaviour in synthetic protocell communities of compartmentalized colloidal objects. <i>Nature Materials</i> , 2017 , 16, 857-863	27	92
319	Template-directed inorganic crystallization: oriented nucleation of barium sulfate under Langmuir monolayers of an aliphatic long chain phosphonate. <i>Langmuir</i> , 1992 , 8, 1492-1498	4	92
318	Formation of iron oxides in unilamellar vesicles. <i>Journal of Colloid and Interface Science</i> , 1988 , 122, 326-335	3.5	92
317	Elastic Magnets: Template-Controlled Mineralization of Iron Oxide Colloids in a Sponge-like Gel Matrix. <i>Advanced Materials</i> , 1998 , 10, 237-241	24	91
316	Programmed assembly of synthetic protocells into thermoresponsive prototissues. <i>Nature Materials</i> , 2018 , 17, 1145-1153	27	90
315	Reversible dioxygen binding in solvent-free liquid myoglobin. <i>Nature Chemistry</i> , 2010 , 2, 622-6	17.6	89
314	Preparation of high quality nanowires by tobacco mosaic virus templating of gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4796		89
313	Gene-Mediated Chemical Communication in Synthetic Protocell Communities. <i>ACS Synthetic Biology</i> , 2018 , 7, 339-346	5.7	89

312	Fabrication of Magnetic Spider Silk and Other Silk-Fiber Composites Using Inorganic Nanoparticles. <i>Advanced Materials</i> , 1998 , 10, 801-805	24	88
311	Synthesis of Calcium Phosphate Nanofilaments in Reverse Micelles. <i>Chemistry of Materials</i> , 2005 , 17, 2765-2770	9.6	88
310	Biomineralization: the Form(id)able part of bioinorganic chemistry!*. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 3953-3962		86
309	Novel bioinorganic nanostructures based on mesolamellar intercalation or single-molecule wrapping of DNA using organoclay building blocks. <i>Nano Letters</i> , 2007 , 7, 2660-5	11.5	86
308	Self-assembly of bioinorganic nanohybrids using organoclay building blocks. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4605		84
307	Fabrication of functional proteinorganoclay lamellar nanocomposites by biomolecule-induced assembly of exfoliated aminopropyl-functionalized magnesium phyllosilicates. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3838		84
306	Spontaneous assembly of chemically encoded two-dimensional coacervate droplet arrays by acoustic wave patterning. <i>Nature Communications</i> , 2016 , 7, 13068	17.4	83
305	In vitro gene expression and enzyme catalysis in bio-inorganic protocells. <i>Chemical Science</i> , 2011 , 2, 1739-4	9.4	83
304	Fabrication of Porous Titania (Brookite) Microparticles with Complex Morphology by Sol-Gel Replication of Pollen Grains. <i>Chemistry of Materials</i> , 2006 , 18, 598-600	9.6	83
303	Chemical Signaling and Functional Activation in Colloidosome-Based Protocells. <i>Small</i> , 2016 , 12, 1920-7	11	81
302	A Generalized Mechanism for Ligand-Induced Dipolar Assembly of Plasmonic Gold Nanoparticle Chain Networks. <i>Advanced Functional Materials</i> , 2011 , 21, 851-859	15.6	80
301	Influence of monosaccharides and related molecules on the morphology of hydroxyapatite. <i>Journal of Crystal Growth</i> , 1993 , 133, 1-12	1.6	80
300	Stabilization and enhanced reactivity of actinorhodin polyketide synthase minimal complex in polymer-nucleotide coacervate droplets. <i>Chemical Communications</i> , 2012 , 48, 11832-4	5.8	77
299	Guest-Molecule-Directed Assembly of Mesostructured Nanocomposite Polymer/Organoclay Hydrogels. <i>Advanced Functional Materials</i> , 2011 , 21, 674-681	15.6	77
298	Polymer/nucleotide droplets as bio-inspired functional micro-compartments. <i>Soft Matter</i> , 2012 , 8, 6004	3.6	76
297	Spatial organization and patterning of gold nanoparticles on self-assembled biolipid tubular templates. <i>Chemical Communications</i> , 1996 , 321	5.8	76
296	Templating silica nanostructures on rationally designed self-assembled peptide fibers. <i>Langmuir</i> , 2008 , 24, 11778-83	4	75
295	Synergetic Codoping in Fluorinated Ti _{1-x} Zr _x O ₂ Hollow Microspheres. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10712-10717	3.8	74

294	Membrane-mediated cascade reactions by enzyme-polymer proteinosomes. <i>Chemical Communications</i> , 2014 , 50, 6278-80	5.8	73
293	Aqueous Near-Infrared Fluorescent Composites Based on Apoferritin-Encapsulated PbS Quantum Dots. <i>Advanced Materials</i> , 2008 , 20, 3592-3596	24	72
292	Structure and composition of ferritin cores from pea seed (<i>Pisum sativum</i>). <i>BBA - Proteins and Proteomics</i> , 1993 , 1161, 91-6		72
291	Bone-like Resorbable Silk-based Scaffolds for Load-bearing Osteoregenerative Applications. <i>Advanced Materials</i> , 2009 , 21, 75-78	24	71
290	Influence of inorganic and organic additives on the tailored synthesis of iron oxides. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991 , 87, 3875		71
289	Template-directed synthesis of nanoplasmonic arrays by intracrystalline metalization of cross-linked lysozyme crystals. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 520-3	16.4	70
288	Non-equilibrium behaviour in coacervate-based protocells under electric-field-induced excitation. <i>Nature Communications</i> , 2016 , 7, 10658	17.4	69
287	Dalton perspectives. Biomineralization: the hard part of bioinorganic chemistry!. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 1		69
286	Isolation and properties of the complex nonheme-iron-containing cytochrome b557 (bacterioferritin) from <i>Pseudomonas aeruginosa</i> . <i>Journal of Inorganic Biochemistry</i> , 1986 , 28, 329-36	4.2	69
285	Enzyme-powered motility in buoyant organoclay/DNA protocells. <i>Nature Chemistry</i> , 2018 , 10, 1154-1163	17.6	68
284	Morphological control of BaSO ₄ microstructures by double hydrophilic block copolymer mixtures. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2269-2276		68
283	Chemical Synthesis of Microskeletal Calcium Phosphate in Bicontinuous Microemulsions. <i>Chemistry of Materials</i> , 1996 , 8, 1944-1953	9.6	67
282	Functional composition algorithms via blossoming. <i>ACM Transactions on Graphics</i> , 1993 , 12, 113-135	7.6	67
281	Spontaneous growth and division in self-reproducing inorganic colloidosomes. <i>Small</i> , 2014 , 10, 3291-8	11	66
280	Construction and in vivo assembly of a catalytically proficient and hyperthermostable de novo enzyme. <i>Nature Communications</i> , 2017 , 8, 358	17.4	66
279	Photoswitchable Phase Separation and Oligonucleotide Trafficking in DNA Coacervate Microdroplets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14594-14598	16.4	65
278	Spontaneous construction of photoactive hollow TiO ₂ microspheres and chains. <i>Nanotechnology</i> , 2009 , 20, 325606	3.4	65
277	Synthesis of Nanophase Iron Oxide in Lumazine Synthase Capsids. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 442-445	16.4	65

276	Overproduction, purification and characterization of the Escherichia coli ferritin. <i>FEBS Journal</i> , 1993 , 218, 985-95		63
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