

# Flemming Besenbacher

## List of Publications by Citations

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411  
papers

32,285  
citations

93  
h-index

161  
g-index

418  
ext. papers

35,114  
ext. citations

10.2  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
411	Self-assembly of a nanoscale DNA box with a controllable lid. <i>Nature</i> , <b>2009</b> , 459, 73-6	50.4	1247
410	Bandgap opening in graphene induced by patterned hydrogen adsorption. <i>Nature Materials</i> , <b>2010</b> , 9, 315-9	27	1229
409	The role of interstitial sites in the Ti3d defect state in the band gap of titania. <i>Science</i> , <b>2008</b> , 320, 1755-9	33.3	744
408	Building an appropriate active-site motif into a hydrogen-evolution catalyst with thiomolybdate [Mo3S13]2- clusters. <i>Nature Chemistry</i> , <b>2014</b> , 6, 248-53	17.6	602
407	Size-dependent structure of MoS2 nanocrystals. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 53-8	28.7	573
406	Chiral recognition in dimerization of adsorbed cysteine observed by scanning tunnelling microscopy. <i>Nature</i> , <b>2002</b> , 415, 891-3	50.4	529
405	RNA interference in vitro and in vivo using a novel chitosan/siRNA nanoparticle system. <i>Molecular Therapy</i> , <b>2006</b> , 14, 476-84	11.7	486
404	Influence of nanoscale surface topography on protein adsorption and cellular response. <i>Nano Today</i> , <b>2010</b> , 5, 66-78	17.9	453
403	Oxygen chemisorption on metal surfaces: General trends for Cu, Ni and Ag. <i>Progress in Surface Science</i> , <b>1993</b> , 44, 5-66	6.6	432
402	Single-molecule chemical reactions on DNA origami. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 200-3	28.7	429
401	Properties of large organic molecules on metal surfaces. <i>Progress in Surface Science</i> , <b>2003</b> , 71, 95-146	6.6	395
400	One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. <i>Nano Energy</i> , <b>2018</b> , 47, 547-555	17.1	374
399	Oxygen-mediated diffusion of oxygen vacancies on the TiO2(110) surface. <i>Science</i> , <b>2003</b> , 299, 377-9	33.3	372
398	Filamentous bacteria transport electrons over centimetre distances. <i>Nature</i> , <b>2012</b> , 491, 218-21	50.4	364
397	The influence of polymeric properties on chitosan/siRNA nanoparticle formulation and gene silencing. <i>Biomaterials</i> , <b>2007</b> , 28, 1280-8	15.6	339
396	Complex hydrides for hydrogen storage [New perspectives]. <i>Materials Today</i> , <b>2014</b> , 17, 122-128	21.8	328
395	Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. <i>Nano Energy</i> , <b>2016</b> , 27, 377-389	17.1	304

394	Electrospinning of uniform polystyrene fibers: The effect of solvent conductivity. <i>Polymer</i> , <b>2008</b> , 49, 5336-5343	3.9	293
393	Guanine quartet networks stabilized by cooperative hydrogen bonds. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2270-5	16.4	262
392	Scanning tunnelling microscopy studies of metal surfaces. <i>Reports on Progress in Physics</i> , <b>1996</b> , 59, 1737-1802	17.4	261
391	Metal borohydrides and derivatives - synthesis, structure and properties. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 1565-1634	58.5	249
390	Designer titania-supported Au-Pd nanoparticles for efficient photocatalytic hydrogen production. <i>ACS Nano</i> , <b>2014</b> , 8, 3490-7	16.7	249
389	Controlling the catalytic bond-breaking selectivity of Ni surfaces by step blocking. <i>Nature Materials</i> , <b>2005</b> , 4, 160-2	27	248
388	Facile Synthesis of Single Crystal PtSe Nanosheets for Nanoscale Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 10224-10229	24	246
387	Nanoconfined hydrides for energy storage. <i>Nanoscale</i> , <b>2011</b> , 3, 2086-98	7.7	240
386	Atomic hydrogen adsorbate structures on graphene. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 8744-5	16.4	232
385	Chitosan/siRNA nanoparticle-mediated TNF-alpha knockdown in peritoneal macrophages for anti-inflammatory treatment in a murine arthritis model. <i>Molecular Therapy</i> , <b>2009</b> , 17, 162-8	11.7	232
384	Promotion of phenol photodecomposition over TiO <sub>2</sub> using Au, Pd, and Au-Pd nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 6284-92	16.7	225
383	How the Anatase-to-Rutile Ratio Influences the Photoreactivity of TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 24287-24292	3.8	222
382	Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. <i>ACS Nano</i> , <b>2009</b> , 3, 1947-51	16.7	221
381	DNA origami design of dolphin-shaped structures with flexible tails. <i>ACS Nano</i> , <b>2008</b> , 2, 1213-8	16.7	220
380	Tailoring properties of borohydrides for hydrogen storage: A review. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 1754-1773	1.6	218
379	A series of mixed-metal borohydrides. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6659-63	16.4	210
378	A Cu/Pt near-surface alloy for water-gas shift catalysis. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6485-90	16.4	209
377	Confinement of MgH <sub>2</sub> nanoclusters within nanoporous aerogel scaffold materials. <i>ACS Nano</i> , <b>2009</b> , 3, 3521-8	16.7	206

376	Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , <b>2016</b> , 10, 984-97	16.7	199
375	Water-mediated proton hopping on an iron oxide surface. <i>Science</i> , <b>2012</b> , 336, 889-93	33.3	199
374	Chiral switching by spontaneous conformational change in adsorbed organic molecules. <i>Nature Materials</i> , <b>2006</b> , 5, 112-7	27	196
373	The effect of chemical modification and nanoparticle formulation on stability and biodistribution of siRNA in mice. <i>Molecular Therapy</i> , <b>2009</b> , 17, 1225-33	11.7	191
372	Covalent interlinking of an aldehyde and an amine on a Au(111) surface in ultrahigh vacuum. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 9227-30	16.4	180
371	The importance of bulk Ti <sup>3+</sup> defects in the oxygen chemistry on titania surfaces. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6529-32	16.4	179
370	Size-dependent dissociation of carbon monoxide on cobalt nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2273-8	16.4	176
369	A reversible nanoconfined chemical reaction. <i>ACS Nano</i> , <b>2010</b> , 4, 3903-8	16.7	173
368	Chitosan/siRNA nanoparticles encapsulated in PLGA nanofibers for siRNA delivery. <i>ACS Nano</i> , <b>2012</b> , 6, 4835-44	16.7	167
367	Controllable etching of MoS <sub>2</sub> basal planes for enhanced hydrogen evolution through the formation of active edge sites. <i>Nano Energy</i> , <b>2018</b> , 49, 634-643	17.1	166
366	Surface synthesis of 2D branched polymer nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4406-10	16.4	163
365	Measurement of Energies Controlling Ripening and Annealing on Metal Surfaces. <i>Physical Review Letters</i> , <b>1998</b> , 80, 556-559	7.4	161
364	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , <b>2016</b> , 10, 9646-9658	16.7	157
363	Electron transfer-induced dynamics of oxygen molecules on the TiO <sub>2</sub> (110) surface. <i>Science</i> , <b>2004</b> , 303, 511-3	33.3	155
362	Cluster-support interactions and morphology of MoS <sub>2</sub> nanoclusters in a graphite-supported hydrotreating model catalyst. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13950-8	16.4	153
361	Antifouling enzymes and the biochemistry of marine settlement. <i>Biotechnology Advances</i> , <b>2008</b> , 26, 471-81	17.8	151
360	Preparation and characterization of nanomaterials for sustainable energy production. <i>ACS Nano</i> , <b>2010</b> , 4, 5517-26	16.7	146
359	Fibronectin adsorption, cell adhesion, and proliferation on nanostructured tantalum surfaces. <i>ACS Nano</i> , <b>2010</b> , 4, 2874-82	16.7	146

358	Boron-Nitrogen based hydrides and reactive composites for hydrogen storage. <i>Materials Today</i> , <b>2014</b> , 17, 129-135	21.8	145
357	Elementary structural motifs in a random network of cytosine adsorbed on a gold(111) surface. <i>Science</i> , <b>2008</b> , 319, 312-5	33.3	144
356	Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 892-8	28.7	142
355	Size threshold in the dibenzothiophene adsorption on MoS <sub>2</sub> nanoclusters. <i>ACS Nano</i> , <b>2010</b> , 4, 4677-82	16.7	140
354	Soft interactions at nanoparticles alter protein function and conformation in a size dependent manner. <i>Nano Letters</i> , <b>2011</b> , 11, 4985-91	11.5	137
353	Guidance of stem cell fate on 2D patterned surfaces. <i>Biomaterials</i> , <b>2012</b> , 33, 6626-33	15.6	136
352	High-Coverage Structures of Carbon Monoxide Adsorbed on Pt(111) Studied by High-Pressure Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 14497-14502	3.4	134
351	On-surface azide-alkyne cycloaddition on Cu(111): does it "click" in ultrahigh vacuum?. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2136-9	16.4	130
350	Limit-test toxicity screening of selected inorganic nanoparticles to the earthworm <i>Eisenia fetida</i> . <i>Ecotoxicology</i> , <b>2011</b> , 20, 226-33	2.9	130
349	Dehydrogenation kinetics of pure and nickel-doped magnesium hydride investigated by in situ time-resolved powder X-ray diffraction. <i>International Journal of Hydrogen Energy</i> , <b>2006</b> , 31, 2052-2062	6.7	129
348	Functional electrospun polystyrene nanofibers incorporating $\beta$ -CD and $\beta$ -cyclodextrins: comparison of molecular filter performance. <i>ACS Nano</i> , <b>2010</b> , 4, 5121-30	16.7	126
347	Reactivity of LiBH <sub>4</sub> : In Situ Synchrotron Radiation Powder X-ray Diffraction Study. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 1299-1303	3.8	122
346	Stabilization principles for polar surfaces of ZnO. <i>ACS Nano</i> , <b>2011</b> , 5, 5987-94	16.7	121
345	Immobilisation of living bacteria for AFM imaging under physiological conditions. <i>Ultramicroscopy</i> , <b>2010</b> , 110, 1349-57	3.1	121
344	Structure and Dynamics for LiBH <sub>4</sub> -LiCl Solid Solutions. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5772-5782	9.6	120
343	In Situ Detection of Active Edge Sites in Single-Layer MoS <sub>2</sub> Catalysts. <i>ACS Nano</i> , <b>2015</b> , 9, 9322-30	16.7	116
342	Dissociative and molecular oxygen chemisorption channels on reduced rutile TiO <sub>2</sub> (110): An STM and TPD study. <i>Surface Science</i> , <b>2010</b> , 604, 1945-1960	1.8	116
341	Chemical identification of point defects and adsorbates on a metal oxide surface by atomic force microscopy. <i>Nanotechnology</i> , <b>2006</b> , 17, 3436-41	3.4	114

340	Fabrication of carbon nanoscrolls from monolayer graphene. <i>Small</i> , <b>2010</b> , 6, 2010-9	11	113
339	Two-dimensional material confined water. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 119-27	24.3	112
338	The use of combinatorial topographical libraries for the screening of enhanced osteogenic expression and mineralization. <i>Biomaterials</i> , <b>2009</b> , 30, 2015-22	15.6	109
337	Thermo-Responsive Core-Shell Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4214-4221	9.6	107
336	Lock-and-key effect in the surface diffusion of large organic molecules probed by STM. <i>Nature Materials</i> , <b>2004</b> , 3, 779-82	27	106
335	Scanning tunneling microscopy manipulation of complex organic molecules on solid surfaces. <i>Annual Review of Physical Chemistry</i> , <b>2006</b> , 57, 497-525	15.7	105
334	Cyanuric acid and melamine on Au(111): structure and energetics of hydrogen-bonded networks. <i>Small</i> , <b>2007</b> , 3, 854-8	11	103
333	Light-tuned selective photosynthesis of azo- and azoxy-aromatics using graphitic CN. <i>Nature Communications</i> , <b>2018</b> , 9, 60	17.4	101
332	Self-assembly of monodispersed, chiral nanoclusters of cysteine on the Au(110)-(1 x 2) surface. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14680-1	16.4	100
331	Tweaking the composition of NiMoZn alloy electrocatalyst for enhanced hydrogen evolution reaction performance. <i>Nano Energy</i> , <b>2015</b> , 12, 9-18	17.1	99
330	Improved hydrogen storage kinetics of nanoconfined NaAlH <sub>4</sub> catalyzed with TiCl <sub>4</sub> nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 4056-64	16.7	99
329	Electrochemical approach for constructing a monolayer of thiophenolates from grafted multilayers of diaryl disulfides. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1888-9	16.4	98
328	Cantilever sensor for nanomechanical detection of specific protein conformations. <i>Nano Letters</i> , <b>2005</b> , 5, 2385-8	11.5	98
327	Atomic-scale insight into adsorption of sterically hindered dibenzothiophenes on MoS <sub>2</sub> and CoMoB hydrotreating catalysts. <i>Journal of Catalysis</i> , <b>2012</b> , 295, 146-154	7.3	96
326	One-dimensional assembly and selective orientation of Lander molecules on an O-Cu template. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2092-5	16.4	96
325	Light-driven wettability changes on a photoresponsive electrospun mat. <i>ACS Nano</i> , <b>2011</b> , 5, 1549-55	16.7	95
324	Molecular filters based on cyclodextrin functionalized electrospun fibers. <i>Journal of Membrane Science</i> , <b>2009</b> , 332, 129-137	9.6	95
323	Comparative atomic-scale analysis of promotional effects by late 3d-transition metals in MoS <sub>2</sub> hydrotreating catalysts. <i>Journal of Catalysis</i> , <b>2010</b> , 272, 195-203	7.3	95

322	Fibronectin adsorption on tantalum: the influence of nanoroughness. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8241-9	3.4	94
321	Probing the hierarchy of thymine-thymine interactions in self-assembled structures by manipulation with scanning tunneling microscopy. <i>Small</i> , <b>2007</b> , 3, 2011-4	11	94
320	Adsorption of fibrinogen on tantalum oxide, titanium oxide and gold studied by the QCM-D technique. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 43, 208-15	6	94
319	Monitoring cell adhesion on tantalum and oxidised polystyrene using a quartz crystal microbalance with dissipation. <i>Biomaterials</i> , <b>2006</b> , 27, 4529-37	15.6	93
318	Observation of all the intermediate steps of a chemical reaction on an oxide surface by scanning tunneling microscopy. <i>ACS Nano</i> , <b>2009</b> , 3, 517-26	16.7	92
317	An investigation into the interactions between self-assembled adenine molecules and a Au(111) surface. <i>Small</i> , <b>2008</b> , 4, 1494-500	11	92
316	The influence of crystallite size and crystallinity of anatase nanoparticles on the photo-degradation of phenol. <i>Journal of Catalysis</i> , <b>2014</b> , 310, 100-108	7.3	91
315	Delivery of siRNA from lyophilized polymeric surfaces. <i>Biomaterials</i> , <b>2008</b> , 29, 506-12	15.6	91
314	Supramolecular nanopatterns self-assembled by adenine-thymine quartets at the liquid/solid interface. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13305-11	16.4	91
313	QCM-D studies of attachment and differential spreading of pre-osteoblastic cells on Ta and Cr surfaces. <i>Biomaterials</i> , <b>2006</b> , 27, 1346-54	15.6	90
312	Ethylene dissociation on flat and stepped Ni(111): A combined STM and DFT study. <i>Surface Science</i> , <b>2006</b> , 600, 66-77	1.8	89
311	The ambipolar transport behavior of WSe2 transistors and its analogue circuits. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 703-712	10.3	86
310	Electrospinning of cyclodextrin functionalized polyethylene oxide (PEO) nanofibers. <i>European Polymer Journal</i> , <b>2009</b> , 45, 1032-1037	5.2	86
309	Noncontact atomic force microscopy studies of vacancies and hydroxyls of TiO2(110): Experiments and atomistic simulations. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	86
308	Dual-Stimuli Responsive Bismuth Nanoraspberries for Multimodal Imaging and Combined Cancer Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 6778-6788	11.5	84
307	Coexistence of ribbon and helical fibrils originating from hIAPP(20-29) revealed by quantitative nanomechanical atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2798-803	11.5	83
306	Graphene coatings: probing the limits of the one atom thick protection layer. <i>ACS Nano</i> , <b>2012</b> , 6, 10258-66.7	6.7	81
305	Imaging of the hydrogen subsurface site in rutile TiO2. <i>Physical Review Letters</i> , <b>2009</b> , 102, 136103	7.4	81

304	Experimental and theoretical study of oxygen adsorption structures on Ag(111). <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	80
303	A high efficiency H <sub>2</sub> S gas sensor material: paper like Fe <sub>2</sub> O <sub>3</sub> /graphene nanosheets and structural alignment dependency of device efficiency. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6714-6717	13	79
302	Unraveling the Diffusion of Bulk Ti Interstitials in Rutile TiO <sub>2</sub> (110) by Monitoring Their Reaction with O Adatoms. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3059-3062	3.8	79
301	Quartz crystal microbalance studies of multilayer glucagon fibrillation at the solid-liquid interface. <i>Biophysical Journal</i> , <b>2007</b> , 93, 2162-9	2.9	79
300	Enantiospecific adsorption of cysteine at chiral kink sites on Au(110)-(1 x 2). <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1076-7	16.4	79
299	Coadsorption of guanine and cytosine on graphite: ordered structure based on GC pairing. <i>Nano Letters</i> , <b>2006</b> , 6, 1434-8	11.5	79
298	Molecular self-assembly from building blocks synthesized on a surface in ultrahigh vacuum: kinetic control and topo-chemical reactions. <i>ACS Nano</i> , <b>2008</b> , 2, 651-60	16.7	77
297	Highly porous PEGylated Bi <sub>2</sub> S <sub>3</sub> nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. <i>Nanoscale</i> , <b>2016</b> , 8, 16005-16	7.7	76
296	siRNA nanoparticle functionalization of nanostructured scaffolds enables controlled multilineage differentiation of stem cells. <i>Molecular Therapy</i> , <b>2010</b> , 18, 2018-27	11.7	76
295	Using a hydrazone-protected benzenediazonium salt to introduce a near-monolayer of benzaldehyde on glassy carbon surfaces. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4928-36	16.4	76
294	Phase-Transition Induced Conversion into a Photothermal Material: Quasi-Metallic WO Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10666-10671	16.4	75
293	Detailed scanning probe microscopy tip models determined from simultaneous atom-resolved AFM and STM studies of the TiO <sub>2</sub> (110) surface. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	75
292	Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. <i>Nano Energy</i> , <b>2020</b> , 67, 104219	17.1	75
291	Reversing Interfacial Catalysis of Ambipolar WSe Single Crystal. <i>Advanced Science</i> , <b>2020</b> , 7, 1901382	13.6	75
290	Electrospun nanofibers-mediated on-demand drug release. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1721-32	11.32	74
289	The adsorption of iron phthalocyanine on graphite: A scanning tunnelling microscopy study. <i>Surface Science</i> , <b>2007</b> , 601, 3661-3667	1.8	74
288	Low-temperature CO oxidation on Ni(111) and on a Au/Ni(111) surface alloy. <i>ACS Nano</i> , <b>2010</b> , 4, 4380-7	16.7	72
287	Pulmonary gene silencing in transgenic EGFP mice using aerosolised chitosan/siRNA nanoparticles. <i>Pharmaceutical Research</i> , <b>2010</b> , 27, 2520-7	4.5	72



286	L-cysteine adsorption structures on Au(111) investigated by scanning tunneling microscopy under ultrahigh vacuum conditions. <i>Langmuir</i> , <b>2006</b> , 22, 2156-60	4	72
285	Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. <i>ChemSusChem</i> , <b>2018</b> , 11, 1678-1685	8.3	71
284	Iodide substitution in lithium borohydride, LiBH <sub>4</sub> I. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 8299-8305	3.05	71
283	Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment. <i>Journal of Membrane Science</i> , <b>2010</b> , 365, 409-417	9.6	71
282	Synergistic effect of topography, surface chemistry and conductivity of the electrospun nanofibrous scaffold on cellular response of PC12 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 420-429	6	71
281	Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. <i>Nano Energy</i> , <b>2019</b> , 57, 842-850	17.1	70
280	Self-scrolling MoS metallic wires. <i>Nanoscale</i> , <b>2018</b> , 10, 18178-18185	7.7	70
279	Coaxial electrospun poly(lactic acid)/silk fibroin nanofibers incorporated with nerve growth factor support the differentiation of neuronal stem cells. <i>RSC Advances</i> , <b>2015</b> , 5, 49838-49848	3.7	69
278	Role of the trans-activation response element in dimerization of HIV-1 RNA. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 22243-9	5.4	68
277	Adsorbate-induced alloy phase separation: a direct view by high-pressure scanning tunneling microscopy. <i>Physical Review Letters</i> , <b>2005</b> , 95, 126101	7.4	68
276	Stabilization mechanism for the polar ZnO(0001)-O surface. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	67
275	Electrospinning of cyclodextrin functionalized poly(methyl methacrylate) (PMMA) nanofibers. <i>Polymer</i> , <b>2009</b> , 50, 475-480	3.9	67
274	Two-dimensional supramolecular nanopatterns formed by the coadsorption of guanine and uracil at the liquid/solid interface. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 695-702	16.4	67
273	Electrospinning of functional poly(methyl methacrylate) nanofibers containing cyclodextrin-menthol inclusion complexes. <i>Nanotechnology</i> , <b>2009</b> , 20, 125703	3.4	65
272	Quantitative biomolecular imaging by dynamic nanomechanical mapping. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 7412-29	58.5	64
271	Modulating aβ3-42 peptide assembly by graphene oxide. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7236-48	4.8	64
270	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. <i>Nanoscale</i> , <b>2011</b> , 3, 4966-71	7.7	64
269	Direct visualization of transient thermal response of a DNA origami. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9844-7	16.4	63

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267	Room-temperature reaction of oxygen with gold: an in situ ambient-pressure X-ray photoelectron spectroscopy investigation. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2858-9	16.4	62
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