

# Flemming Besenbacher

## List of Publications by Year in descending order

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412  
papers

37,353  
citations

2318

98  
h-index

4338

173  
g-index

418  
all docs

418  
docs citations

418  
times ranked

41365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of a nanoscale DNA box with a controllable lid. <i>Nature</i> , 2009, 459, 73-76.	13.7	1,464
2	Bandgap opening in graphene induced by patterned hydrogen adsorption. <i>Nature Materials</i> , 2010, 9, 315-319.	13.3	1,344
3	The Role of Interstitial Sites in the Ti $d$ Defect State in the Band Gap of Titania. <i>Science</i> , 2008, 320, 1755-1759.	6.0	813
4	Building an appropriate active-site motif into a hydrogen-evolution catalyst with thiomolybdate $[Mo_3S_{13}]^{2-}$ clusters. <i>Nature Chemistry</i> , 2014, 6, 248-253.	6.6	730
5	Size-dependent structure of MoS <sub>2</sub> nanocrystals. <i>Nature Nanotechnology</i> , 2007, 2, 53-58.	15.6	638
6	Chiral recognition in dimerization of adsorbed cysteine observed by scanning tunnelling microscopy. <i>Nature</i> , 2002, 415, 891-893.	13.7	569
7	RNA Interference in Vitro and in Vivo Using a Novel Chitosan/siRNA Nanoparticle System. <i>Molecular Therapy</i> , 2006, 14, 476-484.	3.7	549
8	One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. <i>Nano Energy</i> , 2018, 47, 547-555.	8.2	547
9	Influence of nanoscale surface topography on protein adsorption and cellular response. <i>Nano Today</i> , 2010, 5, 66-78.	6.2	514
10	Single-molecule chemical reactions on DNA origami. <i>Nature Nanotechnology</i> , 2010, 5, 200-203.	15.6	478
11	Filamentous bacteria transport electrons over centimetre distances. <i>Nature</i> , 2012, 491, 218-221.	13.7	475
12	Oxygen chemisorption on metal surfaces: General trends for Cu, Ni and Ag. <i>Progress in Surface Science</i> , 1993, 44, 5-66.	3.8	457
13	Properties of large organic molecules on metal surfaces. <i>Progress in Surface Science</i> , 2003, 71, 95-146.	3.8	419
14	Oxygen-Mediated Diffusion of Oxygen Vacancies on the TiO <sub>2</sub> (110) Surface. <i>Science</i> , 2003, 299, 377-379.	6.0	417
15	Complex hydrides for hydrogen storage – new perspectives. <i>Materials Today</i> , 2014, 17, 122-128.	8.3	408
16	Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. <i>Nano Energy</i> , 2016, 27, 377-389.	8.2	391
17	The influence of polymeric properties on chitosan/siRNA nanoparticle formulation and gene silencing. <i>Biomaterials</i> , 2007, 28, 1280-1288.	5.7	382
18	Electrospinning of uniform polystyrene fibers: The effect of solvent conductivity. <i>Polymer</i> , 2008, 49, 5336-5343.	1.8	355

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19	Metal borohydrides and derivatives – synthesis, structure and properties. <i>Chemical Society Reviews</i> , 2017, 46, 1565-1634.	18.7	320
20	Scanning tunnelling microscopy studies of metal surfaces. <i>Reports on Progress in Physics</i> , 1996, 59, 1737-1802.	8.1	286
21	Facile Synthesis of Single Crystal PtSe <sub>2</sub> Nanosheets for Nanoscale Electronics. <i>Advanced Materials</i> , 2016, 28, 10224-10229.	11.1	286
22	Designer Titania-Supported Au–Pd Nanoparticles for Efficient Photocatalytic Hydrogen Production. <i>ACS Nano</i> , 2014, 8, 3490-3497.	7.3	279
23	Guanine Quartet Networks Stabilized by Cooperative Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2270-2275.	7.2	275
24	Chitosan/siRNA Nanoparticle-mediated TNF- $\alpha$ Knockdown in Peritoneal Macrophages for Anti-inflammatory Treatment in a Murine Arthritis Model. <i>Molecular Therapy</i> , 2009, 17, 162-168.	3.7	270
25	DNA Origami Design of Dolphin-Shaped Structures with Flexible Tails. <i>ACS Nano</i> , 2008, 2, 1213-1218.	7.3	264
26	Controlling the catalytic bond-breaking selectivity of Ni surfaces by step blocking. <i>Nature Materials</i> , 2005, 4, 160-162.	13.3	263
27	Nanoconfined hydrides for energy storage. <i>Nanoscale</i> , 2011, 3, 2086.	2.8	262
28	Atomic Hydrogen Adsorbate Structures on Graphene. <i>Journal of the American Chemical Society</i> , 2009, 131, 8744-8745.	6.6	255
29	Promotion of Phenol Photodecomposition over TiO <sub>2</sub> Using Au, Pd, and Au–Pd Nanoparticles. <i>ACS Nano</i> , 2012, 6, 6284-6292.	7.3	252
30	How the Anatase-to-Rutile Ratio Influences the Photoreactivity of TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2011, 115, 24287-24292.	1.5	248
31	Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. <i>ACS Nano</i> , 2009, 3, 1947-1951.	7.3	242
32	Water-Mediated Proton Hopping on an Iron Oxide Surface. <i>Science</i> , 2012, 336, 889-893.	6.0	242
33	Tailoring properties of borohydrides for hydrogen storage: A review. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1754-1773.	0.8	236
34	Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , 2016, 10, 984-997.	7.3	234
35	A Cu/Pt Near-Surface Alloy for Water–Gas Shift Catalysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 6485-6490.	6.6	233
36	The Effect of Chemical Modification and Nanoparticle Formulation on Stability and Biodistribution of siRNA in Mice. <i>Molecular Therapy</i> , 2009, 17, 1225-1233.	3.7	229

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37	A Series of Mixed-Metal Borohydrides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6659-6663.	7.2	228
38	Confinement of MgH <sub>2</sub> Nanoclusters within Nanoporous Aerogel Scaffold Materials. <i>ACS Nano</i> , 2009, 3, 3521-3528.	7.3	223
39	Controllable etching of MoS <sub>2</sub> basal planes for enhanced hydrogen evolution through the formation of active edge sites. <i>Nano Energy</i> , 2018, 49, 634-643.	8.2	220
40	Chiral switching by spontaneous conformational change in adsorbed organic molecules. <i>Nature Materials</i> , 2006, 5, 112-117.	13.3	213
41	The Importance of Bulk Ti <sup>3+</sup> Defects in the Oxygen Chemistry on Titania Surfaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 6529-6532.	6.6	200
42	Size-Dependent Dissociation of Carbon Monoxide on Cobalt Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 2273-2278.	6.6	195
43	Covalent Interlinking of an Aldehyde and an Amine on a Au(111) Surface in Ultrahigh Vacuum. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9227-9230.	7.2	191
44	Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , 2015, 10, 892-898.	15.6	189
45	A Reversible Nanoconfined Chemical Reaction. <i>ACS Nano</i> , 2010, 4, 3903-3908.	7.3	185
46	Antifouling enzymes and the biochemistry of marine settlement. <i>Biotechnology Advances</i> , 2008, 26, 471-481.	6.0	182
47	Chitosan/siRNA Nanoparticles Encapsulated in PLGA Nanofibers for siRNA Delivery. <i>ACS Nano</i> , 2012, 6, 4835-4844.	7.3	181
48	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , 2016, 10, 9646-9658.	7.3	175
49	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> , 2006, 128, 13950-13958.	6.6	172
50	Electron Transfer-Induced Dynamics of Oxygen Molecules on the TiO <sub>2</sub> (110) Surface. <i>Science</i> , 2004, 303, 511-513.	6.0	171
51	Measurement of Energies Controlling Ripening and Annealing on Metal Surfaces. <i>Physical Review Letters</i> , 1998, 80, 556-559.	2.9	170
52	Surface Synthesis of 2D Branched Polymer Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4406-4410.	7.2	170
53	Boron-nitrogen based hydrides and reactive composites for hydrogen storage. <i>Materials Today</i> , 2014, 17, 129-135.	8.3	165
54	Preparation and Characterization of Nanomaterials for Sustainable Energy Production. <i>ACS Nano</i> , 2010, 4, 5517-5526.	7.3	163

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55	Fibronectin Adsorption, Cell Adhesion, and Proliferation on Nanostructured Tantalum Surfaces. ACS Nano, 2010, 4, 2874-2882.	7.3	163
56	Size Threshold in the Dibenzothiophene Adsorption on MoS <sub>2</sub> Nanoclusters. ACS Nano, 2010, 4, 4677-4682.	7.3	158
57	Elementary Structural Motifs in a Random Network of Cytosine Adsorbed on a Gold(111) Surface. Science, 2008, 319, 312-315.	6.0	157
58	Soft Interactions at Nanoparticles Alter Protein Function and Conformation in a Size Dependent Manner. Nano Letters, 2011, 11, 4985-4991.	4.5	157
59	Guidance of stem cell fate on 2D patterned surfaces. Biomaterials, 2012, 33, 6626-6633.	5.7	154
60	Limit-test toxicity screening of selected inorganic nanoparticles to the earthworm Eisenia fetida. Ecotoxicology, 2011, 20, 226-233.	1.1	152
61	Chemical identification of point defects and adsorbates on a metal oxide surface by atomic force microscopy. Nanotechnology, 2006, 17, 3436-3441.	1.3	149
62	High-Coverage Structures of Carbon Monoxide Adsorbed on Pt(111) Studied by High-Pressure Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2004, 108, 14497-14502.	1.2	144
63	Stabilization Principles for Polar Surfaces of ZnO. ACS Nano, 2011, 5, 5987-5994.	7.3	144
64	On-Surface Azide-Alkyne Cycloaddition on Cu(111): Does It "Click" in Ultrahigh Vacuum?. Journal of the American Chemical Society, 2013, 135, 2136-2139.	6.6	144
65	In Situ Detection of Active Edge Sites in Single-Layer MoS <sub>2</sub> Catalysts. ACS Nano, 2015, 9, 9322-9330.	7.3	144
66	Light-tuned selective photosynthesis of azo- and azoxy-aromatics using graphitic C <sub>3</sub> N <sub>4</sub> . Nature Communications, 2018, 9, 60.	5.8	143
67	Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. Nano Energy, 2020, 67, 104219.	8.2	143
68	Two-Dimensional Material Confined Water. Accounts of Chemical Research, 2015, 48, 119-127.	7.6	140
69	Immobilisation of living bacteria for AFM imaging under physiological conditions. Ultramicroscopy, 2010, 110, 1349-1357.	0.8	139
70	Tweaking the composition of NiMoZn alloy electrocatalyst for enhanced hydrogen evolution reaction performance. Nano Energy, 2015, 12, 9-18.	8.2	139
71	Dehydrogenation kinetics of pure and nickel-doped magnesium hydride investigated by in situ time-resolved powder X-ray diffraction. International Journal of Hydrogen Energy, 2006, 31, 2052-2062.	3.8	138
72	The influence of crystallite size and crystallinity of anatase nanoparticles on the photo-degradation of phenol. Journal of Catalysis, 2014, 310, 100-108.	3.1	138

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73	Functional Electrospun Polystyrene Nanofibers Incorporating $\hat{1}$ ±-, $\hat{1}$ ²-, and $\hat{1}$ ³-Cyclodextrins: Comparison of Molecular Filter Performance. <i>ACS Nano</i> , 2010, 4, 5121-5130.	7.3	137
74	Structure and Dynamics for $\text{LiBH}_4$ - $\text{LiCl}$ Solid Solutions. <i>Chemistry of Materials</i> , 2009, 21, 5772-5782.	3.2	135
75	Dissociative and molecular oxygen chemisorption channels on reduced rutile $\text{TiO}_2(110)$ : An STM and TPD study. <i>Surface Science</i> , 2010, 604, 1945-1960.	0.8	132
76	Reactivity of $\text{LiBH}_4$ : In Situ Synchrotron Radiation Powder X-ray Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1299-1303.	1.5	127
77	Fabrication of Carbon Nanoscrolls from Monolayer Graphene. <i>Small</i> , 2010, 6, 2010-2019.	5.2	127
78	The ambipolar transport behavior of $\text{WSe}_2$ transistors and its analogue circuits. <i>NPG Asia Materials</i> , 2018, 10, 703-712.	3.8	124
79	The use of combinatorial topographical libraries for the screening of enhanced osteogenic expression and mineralization. <i>Biomaterials</i> , 2009, 30, 2015-2022.	5.7	117
80	Lock-and-key effect in the surface diffusion of large organic molecules probed by STM. <i>Nature Materials</i> , 2004, 3, 779-782.	13.3	116
81	Thermo-Responsive Core-Shell Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. <i>Chemistry of Materials</i> , 2010, 22, 4214-4221.	3.2	116
82	Atomic-scale insight into adsorption of sterically hindered dibenzothiophenes on $\text{MoS}_2$ and $\text{CoMoS}$ hydrotreating catalysts. <i>Journal of Catalysis</i> , 2012, 295, 146-154.	3.1	116
83	Dual-Stimuli Responsive Bismuth Nanoraspberries for Multimodal Imaging and Combined Cancer Therapy. <i>Nano Letters</i> , 2018, 18, 6778-6788.	4.5	116
84	Cantilever Sensor for Nanomechanical Detection of Specific Protein Conformations. <i>Nano Letters</i> , 2005, 5, 2385-2388.	4.5	115
85	SCANNING TUNNELING MICROSCOPY MANIPULATION OF COMPLEX ORGANIC MOLECULES ON SOLID SURFACES. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 497-525.	4.8	114
86	Improved Hydrogen Storage Kinetics of Nanoconfined $\text{NaAlH}_4$ Catalyzed with $\text{TiCl}_3$ Nanoparticles. <i>ACS Nano</i> , 2011, 5, 4056-4064.	7.3	110
87	Cyanuric Acid and Melamine on $\text{Au}(111)$ : Structure and Energetics of Hydrogen-Bonded Networks. <i>Small</i> , 2007, 3, 854-858.	5.2	109
88	Comparative atomic-scale analysis of promotional effects by late 3d-transition metals in $\text{MoS}_2$ hydrotreating catalysts. <i>Journal of Catalysis</i> , 2010, 272, 195-203.	3.1	108
89	Adsorption of fibrinogen on tantalum oxide, titanium oxide and gold studied by the QCM-D technique. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 43, 208-215.	2.5	107
90	Electrochemical Approach for Constructing a Monolayer of Thiophenolates from Grafted Multilayers of Diaryl Disulfides. <i>Journal of the American Chemical Society</i> , 2007, 129, 1888-1889.	6.6	105

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91	Light-Driven Wettability Changes on a Photoresponsive Electrospun Mat. ACS Nano, 2011, 5, 1549-1555.	7.3	105
92	Coexistence of ribbon and helical fibrils originating from hIAPP $\times 20^{\circ}$ revealed by quantitative nanomechanical atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2798-2803.	3.3	104
93	Phase Transition Induced Conversion into a Photothermal Material: Quasi-Metallic $WO_{2.9}$ Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. Angewandte Chemie - International Edition, 2018, 57, 10666-10671.	7.2	104
94	Self-Assembly of Monodispersed, Chiral Nanoclusters of Cysteine on the Au(110)-(1 $\times$ 2) Surface. Journal of the American Chemical Society, 2003, 125, 14680-14681.	6.6	103
95	Molecular filters based on cyclodextrin functionalized electrospun fibers. Journal of Membrane Science, 2009, 332, 129-137.	4.1	103
96	Fibronectin Adsorption on Tantalum: The Influence of Nanoroughness. Journal of Physical Chemistry B, 2008, 112, 8241-8249.	1.2	102
97	Monitoring cell adhesion on tantalum and oxidised polystyrene using a quartz crystal microbalance with dissipation. Biomaterials, 2006, 27, 4529-4537.	5.7	101
98	Probing the Hierarchy of Thymine-Thymine Interactions in Self-Assembled Structures by Manipulation with Scanning Tunneling Microscopy. Small, 2007, 3, 2011-2014.	5.2	101
99	Observation of All the Intermediate Steps of a Chemical Reaction on an Oxide Surface by Scanning Tunneling Microscopy. ACS Nano, 2009, 3, 517-526.	7.3	101
100	Delivery of siRNA from lyophilized polymeric surfaces. Biomaterials, 2008, 29, 506-512.	5.7	100
101	Reversing Interfacial Catalysis of Ambipolar $WSe_2$ Single Crystal. Advanced Science, 2020, 7, 1901382.	5.6	100
102	One-Dimensional Assembly and Selective Orientation of Lander Molecules on an $^{63}Cu$ Template. Angewandte Chemie - International Edition, 2004, 43, 2092-2095.	7.2	99
103	Ethylene dissociation on flat and stepped Ni(111): A combined STM and DFT study. Surface Science, 2006, 600, 66-77.	0.8	98
104	An Investigation into the Interactions Between Self-Assembled Adenine Molecules and a Au(111) Surface. Small, 2008, 4, 1494-1500.	5.2	98
105	Supramolecular Nanopatterns Self-Assembled by Adenine-Thymine Quartets at the Liquid/Solid Interface. Journal of the American Chemical Society, 2006, 128, 13305-13311.	6.6	97
106	QCM-D studies of attachment and differential spreading of pre-osteoblastic cells on Ta and Cr surfaces. Biomaterials, 2006, 27, 1346-1354.	5.7	97
107	Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. Nano Energy, 2019, 57, 842-850.	8.2	96
108	Electrospinning of cyclodextrin functionalized polyethylene oxide (PEO) nanofibers. European Polymer Journal, 2009, 45, 1032-1037.	2.6	93

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109	Noncontact atomic force microscopy studies of vacancies and hydroxyls of $TiO_2$ . Experiments and atomistic simulations. <i>Physical Review B</i> , 2007, 76, .	1.1	92
110	Electrospun Nanofibers-Mediated On-Demand Drug Release. <i>Advanced Healthcare Materials</i> , 2014, 3, 1721-1732.	3.9	91
111	Experimental and theoretical study of oxygen adsorption structures on Ag(111). <i>Physical Review B</i> , 2009, 80, .	1.1	90
112	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> , 2016, 145, 420-429.	2.5	90
113	Highly porous PEGylated $Bi_2S_3$ nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. <i>Nanoscale</i> , 2016, 8, 16005-16016.	2.8	90
114	Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 1678-1685.	3.6	90
115	Graphene Coatings: Probing the Limits of the One Atom Thick Protection Layer. <i>ACS Nano</i> , 2012, 6, 10258-10266.	7.3	89
116	Photothermal conversion-coordinated Fenton-like and photocatalytic reactions of $Cu_2-xSe-Au$ Janus nanoparticles for tri-combination antitumor therapy. <i>Biomaterials</i> , 2020, 255, 120167.	5.7	89
117	Coadsorption of Guanine and Cytosine on Graphite: A Ordered Structure Based on GC Pairing. <i>Nano Letters</i> , 2006, 6, 1434-1438.	4.5	87
118	Quartz Crystal Microbalance Studies of Multilayer Glucagon Fibrillation at the Solid-Liquid Interface. <i>Biophysical Journal</i> , 2007, 93, 2162-2169.	0.2	87
119	Pulmonary Gene Silencing in Transgenic EGFP Mice Using Aerosolised Chitosan/siRNA Nanoparticles. <i>Pharmaceutical Research</i> , 2010, 27, 2520-2527.	1.7	87
120	A high efficiency $H_2S$ gas sensor material: paper like $Fe_2O_3$ /graphene nanosheets and structural alignment dependency of device efficiency. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6714-6717.	5.2	87
121	Coaxial electrospun poly(lactic acid)/silk fibroin nanofibers incorporated with nerve growth factor support the differentiation of neuronal stem cells. <i>RSC Advances</i> , 2015, 5, 49838-49848.	1.7	87
122	Unraveling the Diffusion of Bulk Ti Interstitials in Rutile $TiO_2(110)$ by Monitoring Their Reaction with O Adatoms. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3059-3062.	1.5	85
123	Imaging of the Hydrogen Subsurface Site in Rutile $TiO_2$ . <i>Physical Review Letters</i> , 2009, 102, 136103.	2.9	84
124	Enantiospecific Adsorption of Cysteine at Chiral Kink Sites on $Au(110)-(1\bar{1}-2)$ . <i>Journal of the American Chemical Society</i> , 2006, 128, 1076-1077.	6.6	83
125	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> , 2009, 131, 4928-4936.	6.6	83
126	Self-scrolling $MoS_2$ metallic wires. <i>Nanoscale</i> , 2018, 10, 18178-18185.	2.8	83



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127	The adsorption of iron phthalocyanine on graphite: A scanning tunnelling microscopy study. <i>Surface Science</i> , 2007, 601, 3661-3667.	0.8	82
128	Molecular Self-Assembly from Building Blocks Synthesized on a Surface in Ultrahigh Vacuum: Kinetic Control and Topo-Chemical Reactions. <i>ACS Nano</i> , 2008, 2, 651-660.	7.3	82
129	Recent Progress in Emerging Two-Dimensional Transition Metal Carbides. <i>Nano-Micro Letters</i> , 2021, 13, 183.	14.4	82
130	Detailed scanning probe microscopy tip models determined from simultaneous atom-resolved AFM and STM studies of the $\text{TiO}$ . <i>Physical Review B</i> , 2008, 78, .	11.1	81
131	siRNA Nanoparticle Functionalization of Nanostructured Scaffolds Enables Controlled Multilineage Differentiation of Stem Cells. <i>Molecular Therapy</i> , 2010, 18, 2018-2027.	3.7	81
132	Biocompatible PEGylated bismuth nanocrystals: An all-in-one therapeutic agent with triple-modal imaging and efficient in vivo photothermal ablation of tumors. <i>Biomaterials</i> , 2017, 141, 284-295.	5.7	81
133	Low-Temperature CO Oxidation on Ni(111) and on a Au/Ni(111) Surface Alloy. <i>ACS Nano</i> , 2010, 4, 4380-4387.	7.3	80
134	Iodide substitution in lithium borohydride, $\text{LiBH}_4\text{Li}$ . <i>Journal of Alloys and Compounds</i> , 2011, 509, 8299-8305.	2.8	80
135	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> , 2010, 132, 2858-2859.	6.6	79
136	Solid Base $\text{Bi}_{24}\text{O}_{31}\text{Br}_{10}(\text{OH})_7$ with Active Lattice Oxygen for the Efficient Photo-Oxidation of Primary Alcohols to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6265-6270.	7.2	78
137	Electrospinning of functional poly(methyl methacrylate) nanofibers containing cyclodextrin-menthol inclusion complexes. <i>Nanotechnology</i> , 2009, 20, 125703.	1.3	77
138	Stabilization mechanism for the polar $\text{ZnO}(000)$ . <i>Physical Review B</i> , 2013, 87, .	1.1	77
139	Role of the Trans-activation Response Element in Dimerization of HIV-1 RNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 22243-22249.	1.6	76
140	Direct Visualization of Transient Thermal Response of a DNA Origami. <i>Journal of the American Chemical Society</i> , 2012, 134, 9844-9847.	6.6	76
141	Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment. <i>Journal of Membrane Science</i> , 2010, 365, 409-417.	4.1	75
142	Fibronectin adsorption on gold, Ti-, and Ta-oxide investigated by QCM-D and RSA modelling. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 110-116.	5.0	73
143	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. <i>Nanoscale</i> , 2011, 3, 4966.	2.8	73
144	Quantification of the Interaction Forces between Metals and Graphene by Quantum Chemical Calculations and Dynamic Force Measurements under Ambient Conditions. <i>ACS Nano</i> , 2013, 7, 1646-1651.	7.3	73

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145	Adsorbate-Induced Alloy Phase Separation: A Direct View by High-Pressure Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 2005, 95, 126101.	2.9	72
146	L-Cysteine Adsorption Structures on Au(111) Investigated by Scanning Tunneling Microscopy under Ultrahigh Vacuum Conditions. <i>Langmuir</i> , 2006, 22, 2156-2160.	1.6	72
147	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> , 2008, 130, 695-702.	6.6	72
148	Quantitative biomolecular imaging by dynamic nanomechanical mapping. <i>Chemical Society Reviews</i> , 2014, 43, 7412-7429.	18.7	72
149	Specificity of Watson-Crick Base Pairing on a Solid Surface Studied at the Atomic Scale. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9673-9676.	7.2	71
150	On the Mechanism of Low-Temperature CO Oxidation on Ni(111) and NiO(111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21579-21584.	1.5	71
151	Multifunctional Bi@PPy-PEG Core-Shell Nanohybrids for Dual-Modal Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1605-1615.	4.0	71
152	Electrospinning of cyclodextrin functionalized poly(methyl methacrylate) (PMMA) nanofibers. <i>Polymer</i> , 2009, 50, 475-480.	1.8	70
153	A combinatorial screening of human fibroblast responses on micro-structured surfaces. <i>Biomaterials</i> , 2010, 31, 9182-9191.	5.7	70
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