Matthias Batzill

List of Publications by Year in Descending Order

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11,030 104 131 43 h-index g-index citations papers 6.2 6.85 12,218 139 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
131	Thermal Phase Control of Two-Dimensional Pt-Chalcogenide (Se and Te) Ultrathin Epitaxial Films and Nanocrystals. <i>Chemistry of Materials</i> , 2021 , 33, 8018-8027	9.6	O
130	Synthesis and characterization of 2D transition metal dichalcogenides: Recent progress from a vacuum surface science perspective. <i>Surface Science Reports</i> , 2021 , 76, 100523	12.9	12
129	Mirror twin boundaries in MoSe monolayers as one dimensional nanotemplates for selective water adsorption. <i>Nanoscale</i> , 2021 , 13, 1038-1047	7.7	5
128	Layer-Dependent Band Gaps of Platinum Dichalcogenides. ACS Nano, 2021, 15, 13249-13259	16.7	9
127	Compositional Phase Change of Early Transition Metal Diselenide (VSe2 and TiSe2) Ultrathin Films by Postgrowth Annealing. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000497	4.6	4
126	A magnetic sensor using a 2D van der Waals ferromagnetic material. <i>Scientific Reports</i> , 2020 , 10, 4789	4.9	16
125	Molecular Beam Epitaxy of Transition Metal (Ti-, V-, and Cr-) Tellurides: From Monolayer Ditellurides to Multilayer Self-Intercalation Compounds. <i>ACS Nano</i> , 2020 , 14, 8473-8484	16.7	31
124	Search for 2D Ferromagnets: Molecular Beam Epitaxy is a Critical Tool. <i>Chinese Physics Letters</i> , 2020 , 37, 080101	1.8	
123	Which Transition Metal Atoms Can Be Embedded into Two-Dimensional Molybdenum Dichalcogenides and Add Magnetism?. <i>Nano Letters</i> , 2019 , 19, 4581-4587	11.5	36
122	Charge Density Wave State Suppresses Ferromagnetic Ordering in VSe2 Monolayers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14089-14096	3.8	81
121	Room-Temperature Ferromagnetism in MoTe2 by Post-Growth Incorporation of Vanadium Impurities. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900044	6.4	38
120	Monolayer Modification of VTe and Its Charge Density Wave. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4987-4993	6.4	22
119	Metallic Twin Boundaries Boost the Hydrogen Evolution Reaction on the Basal Plane of Molybdenum Selenotellurides. <i>Advanced Energy Materials</i> , 2018 , 8, 1800031	21.8	66
118	Fundamentals of chemical functionalities at oxide interfaces. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 170301	1.8	
117	Post-Synthesis Modifications of Two-Dimensional MoSe or MoTe by Incorporation of Excess Metal Atoms into the Crystal Structure. <i>ACS Nano</i> , 2018 , 12, 3975-3984	16.7	39
116	A first-principles study of stability of surface confined mixed metal oxides with corundum structure (FeO, CrO, VO). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 7073-7081	3.6	6
115	Strong room-temperature ferromagnetism in VSe monolayers on van der Waals substrates. <i>Nature Nanotechnology</i> , 2018 , 13, 289-293	28.7	795

114	Comparison of surface structures of corundum CrO(0 0 0 1) and VO(0 0 0 1) ultrathin films by x-ray photoelectron diffraction. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 074002	1.8	5
113	Layer- and substrate-dependent charge density wave criticality in 1TIIiSe 2. 2D Materials, 2018, 5, 01500)& .9	31
112	Mirror twin grain boundaries in molybdenum dichalcogenides. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 493001	1.8	16
111	Controlling the Charge Density Wave Transition in Monolayer TiSe2: Substrate and Doping Effects. <i>Advanced Quantum Technologies</i> , 2018 , 1, 1800070	4.3	11
110	Periodic Modulation of Graphene by a 2D-FeO/Ir(111) MoirInterlayer. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2762-2770	3.8	3
109	Angle resolved photoemission spectroscopy reveals spin charge separation in metallic MoSe grain boundary. <i>Nature Communications</i> , 2017 , 8, 14231	17.4	50
108	Substrate dependent electronic structure variations of van der Waals heterostructures of MoSe 2 or MoSe 2(1៤) Te 2 x grown by van der Waals epitaxy. <i>2D Materials</i> , 2017 , 4, 025094	5.9	15
107	Metallic Twin Grain Boundaries Embedded in MoSe Monolayers Grown by Molecular Beam Epitaxy. <i>ACS Nano</i> , 2017 , 11, 5130-5139	16.7	62
106	Epitaxial corundum-VTiO3 thin films grown on c-cut sapphire. <i>Thin Solid Films</i> , 2017 , 631, 85-92	2.2	5
105	Mixed oxides on rutile TiO2(011): Cr2O3 and Cu2O. <i>Journal of Vacuum Science and Technology A:</i> Vacuum, Surfaces and Films, 2017 , 35, 061406	2.9	1
104	Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling. <i>Nature Chemistry</i> , 2017 , 9, 33-38	17.6	85
103	An Ordered Mixed Oxide Monolayer Formed by Iron Segregation on Rutile-TiO2(011): Structural Determination by X-ray Photoelectron Diffraction. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26414-264	42.8	4
102	Monolayer Intermixed Oxide Surfaces: Fe, Ni, Cr, and V Oxides on Rutile TiO2(011). <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14782-14794	3.8	10
101	High density of (pseudo) periodic twin-grain boundaries in molecular beam epitaxy-grown van der Waals heterostructure: MoTe2/MoS2. <i>Applied Physics Letters</i> , 2016 , 108, 191606	3.4	56
100	Investigation of the dipole formation and growth behavior at In2O3 TiO2 heterojunctions using photoemission spectroscopy and atomic force microscopy. <i>Journal of Applied Physics</i> , 2016 , 119, 065305	5 ^{2.5}	1
99	Fe(II)Ti(IV)O3 mixed oxide monolayer at rutile TiO2(011): Structures and reactivities. <i>Surface Science</i> , 2016 , 653, 34-40	1.8	4
98	Ordered Fe(II)Ti(IV)O3 Mixed Monolayer Oxide on Rutile TiO2(011). ACS Nano, 2015, 9, 8627-36	16.7	12
97	Growth from behind: Intercalation-growth of two-dimensional FeO moirstructure underneath of metal-supported graphene. <i>Scientific Reports</i> , 2015 , 5, 11378	4.9	25

96	Molecular beam epitaxy of the van der Waals heterostructure MoTe 2 on MoS 2 : phase, thermal, and chemical stability. <i>2D Materials</i> , 2015 , 2, 044010	5.9	79
95	Band renormalization and spin polarization of MoS2 in graphene/MoS2 heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015 , 9, 701-706	2.5	12
94	(Invited) Excellent Wetting Behavior of Yttria on 2D Materials. ECS Transactions, 2015, 69, 325-336	1	2
93	Wet-transfer of CVD-grown graphene onto sulfur-protected W(110). Surface Science, 2015, 634, 9-15	1.8	5
92	Direct observation of interlayer hybridization and Dirac relativistic carriers in graphene/MoSivan der Waals heterostructures. <i>Nano Letters</i> , 2015 , 15, 1135-40	11.5	142
91	Seeding atomic layer deposition of alumina on graphene with yttria. <i>ACS Applied Materials & Amp; Interfaces</i> , 2015 , 7, 2082-7	9.5	13
90	Why is anatase a better photocatalyst than rutile?Model studies on epitaxial TiO2 films. <i>Scientific Reports</i> , 2014 , 4, 4043	4.9	776
89	Graphene-nickel interfaces: a review. <i>Nanoscale</i> , 2014 , 6, 2548-62	7.7	297
88	Interface properties of CVD grown graphene transferred onto MoS2(0001). <i>Nanoscale</i> , 2014 , 6, 1071-8	7.7	82
87	Influence of hydroxyls on Pd atom mobility and clustering on rutile TiO(2)(011)-2 🗓 . <i>ACS Nano</i> , 2014 , 8, 6321-33	16.7	46
86	Photocatalytic activity of anatase and rutile TiO2 epitaxial thin film grown by pulsed laser deposition. <i>Thin Solid Films</i> , 2014 , 564, 146-155	2.2	33
85	Oxidation of palladium on Au(111) and ZnO(0001) supports. <i>Journal of Chemical Physics</i> , 2014 , 141, 154	793	4
84	Ge overlayer and surface alloy structures on Pt(100) studied using alkali ion scattering spectroscopy, x-ray photoelectron spectroscopy and x-ray photoelectron diffraction. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 135002	1.8	2
83	Combined Surface Science and DFT Study of the Adsorption of Dinitrotoluene (2,4-DNT) on Rutile TiO2(110): Molecular Scale Insight into Sensing of Explosives. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16468-16476	3.8	10
82	Interface between Graphene and SrTiO3(001) Investigated by Scanning Tunneling Microscopy and Photoemission. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21006-21013	3.8	13
81	Growth of a two-dimensional dielectric monolayer on quasi-freestanding graphene. <i>Nature Nanotechnology</i> , 2013 , 8, 41-5	28.7	78
80	Surface Science Studies of Metal Oxide Gas Sensing Materials 2013 , 35-67		2
79	Defects and domain boundaries in self-assembled terephthalic acid (TPA) monolayers on CVD-grown graphene on Pt(111). <i>Langmuir</i> , 2013 , 29, 6354-60	4	23

(2010-2013)

78	Charge doping of graphene in metal/graphene/dielectric sandwich structures evaluated by C-1s core level photoemission spectroscopy. <i>APL Materials</i> , 2013 , 1, 042107	5.7	41
77	Preparation and characterization of Ni(111)/graphene/Y2O3(111) heterostructures. <i>Journal of Applied Physics</i> , 2013 , 113, 194305	2.5	16
76	The surface science of graphene: Metal interfaces, CVD synthesis, nanoribbons, chemical modifications, and defects. <i>Surface Science Reports</i> , 2012 , 67, 83-115	12.9	660
75	Diffusion and Reaction of Hydrogen on Rutile TiO2(011)-21: The Role of Surface Structure. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20438-20446	3.8	39
74	Graphene on ordered Ni-alloy surfaces formed by metal (Sn, Al) intercalation between graphene/Ni(111). <i>Surface Science</i> , 2012 , 606, 1108-1112	1.8	33
73	Monolayer graphene growth on Ni(111) by low temperature chemical vapor deposition. <i>Applied Physics Letters</i> , 2012 , 100, 021601	3.4	150
72	Atomic and electronic structure of graphene/Sn-Ni(111) and graphene/Sn-Cu(111) surface alloy interfaces. <i>Applied Physics Letters</i> , 2012 , 101, 051602	3.4	17
71	Graphene monolayer rotation on Ni(111) facilitates bilayer graphene growth. <i>Applied Physics Letters</i> , 2012 , 100, 241602	3.4	38
70	Atomic and electronic structure of simple metal/graphene and complex metal/graphene/metal interfaces. <i>Physical Review B</i> , 2012 , 85,	3.3	61
69	Adsorbate induced restructuring of TiO2(011)-(211) leads to one-dimensional nanocluster formation. <i>Physical Review Letters</i> , 2012 , 108, 106105	7.4	25
68	Graphene growth and stability at nickel surfaces. New Journal of Physics, 2011, 13, 025001	2.9	96
67	Graphene growth on Ni(111) by transformation of a surface carbide. <i>Nano Letters</i> , 2011 , 11, 518-22	11.5	166
66	A two-dimensional phase of TiOIwith a reduced bandgap. <i>Nature Chemistry</i> , 2011 , 3, 296-300	17.6	339
65	Fundamental aspects of surface engineering of transition metal oxide photocatalysts. <i>Energy and Environmental Science</i> , 2011 , 4, 3275	35.4	209
64	Adsorption of Acetic Acid on Rutile TiO2(110) vs (011)-2 II Surfaces. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3434-3442	3.8	44
63	Ultrathin Y2O3(111) films on Pt(111) substrates. <i>Surface Science</i> , 2011 , 605, 1826-1833	1.8	15
62	An extended defect in graphene as a metallic wire. <i>Nature Nanotechnology</i> , 2010 , 5, 326-9	28.7	816
61	Nanoripple formation on TiO2(110) by low-energy grazing incidence ion sputtering. <i>Physical Review B</i> , 2010 , 82,	3.3	18

60	Role of Surface Structure on the Charge Trapping in TiO2 Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3200-3206	6.4	44
59	Modification of Active Sites on YSZ(111) by Yttria Segregation. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 5990-5996	3.8	18
58	Graphene destruction by metal-carbide formation: An approach for patterning of metal-supported graphene. <i>Applied Physics Letters</i> , 2010 , 97, 023102	3.4	35
57	Comparative study of ZnO thin film and nanopillar growth on YSZ(111) and sapphire (0001) substrates by pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2010 , 312, 2012-2018	1.6	13
56	A reactive force-field (ReaxFF) Monte Carlo study of surface enrichment and step structure on yttria-stabilized zirconia. <i>Surface Science</i> , 2010 , 604, 1438-1444	1.8	23
55	New directions for atomic steps: step alignment by grazing incident ion beams on TiO2(110). <i>Physical Review Letters</i> , 2009 , 102, 166103	7.4	29
54	High temperature scanning tunneling microscopy of purely ion conducting yttria stabilized zirconia (YSZ). <i>Surface Science</i> , 2009 , 603, L78-L81	1.8	12
53	STM and LEED observations of a c(2 🏿) Ge overlayer on Pt(1 0 0). Surface Science, 2009 , 603, 2255-2262	1.8	1
52	Formation and structure of a (1919)R23.4°-Ge/Pt(111) surface alloy. Surface Science, 2009, 603, 1161-11	1 67 8	13
51	Photocatalytic degradation of methyl orange over single crystalline ZnO: orientation dependence of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5	4	196
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	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5		
50	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5 Formation of GeRt Layer Compound on Pt(100). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21019-2102. Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry</i>	13.8	1
50 49	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5 Formation of GePt Layer Compound on Pt(100). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21019-2102. Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4304-4307 Soft x-ray photoemission of clean and sulfur-covered polar ZnO surfaces: A view of the stabilization	1 _{3.8}	1 82
50 49 48	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5 Formation of GePt Layer Compound on Pt(100). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21019-21029 Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4304-4307 Soft x-ray photoemission of clean and sulfur-covered polar ZnO surfaces: A view of the stabilization of polar oxide surfaces. <i>Physical Review B</i> , 2008 , 78,	13.8 3.8 3.3	1 82 27
50 49 48 47	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5 Formation of GePt Layer Compound on Pt(100). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21019-2102 Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4304-4307 Soft x-ray photoemission of clean and sulfur-covered polar ZnO surfaces: A view of the stabilization of polar oxide surfaces. <i>Physical Review B</i> , 2008 , 78, Oxygen adsorption on CuZnO(0001)Zn. <i>Physical Review B</i> , 2008 , 77,	13.8 3.8 3.3	1 82 27 19
50 49 48 47 46	of photoactivity and photostability of ZnO. <i>Langmuir</i> , 2009 , 25, 3310-5 Formation of GePt Layer Compound on Pt(100). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21019-2102. Surface Functionalization of ZnO Photocatalysts with Monolayer ZnS. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4304-4307 Soft x-ray photoemission of clean and sulfur-covered polar ZnO surfaces: A view of the stabilization of polar oxide surfaces. <i>Physical Review B</i> , 2008 , 78, Oxygen adsorption on Cu¤nO(0001)¤n. <i>Physical Review B</i> , 2008 , 77, Defects and Pd growth on the reduced SnO2(1 0 0) surface. <i>Surface Science</i> , 2008 , 602, 1699-1704	13.8 3.8 3.3 1.8	1 82 27 19

(2004-2006)

42	Tuning surface properties of SnO2(1 0 1) by reduction. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1923-1929	3.9	25
41	Enhanced tunneling magnetoresistance and high-spin polarization at room temperature in a polystyrene-coated Fe3O4 granular system. <i>Physical Review B</i> , 2006 , 73,	3.3	70
40	Surface Science Studies of Gas Sensing Materials: SnO2. Sensors, 2006, 6, 1345-1366	3.8	161
39	Influence of nitrogen doping on the defect formation and surface properties of TiO2 rutile and anatase. <i>Physical Review Letters</i> , 2006 , 96, 026103	7.4	561
38	Tuning the chemical functionality of a gas sensitive material: Water adsorption on SnO2(1 0 1). <i>Surface Science</i> , 2006 , 600, 29-32	1.8	43
37	Characterizing solid state gas responses using surface charging in photoemission: water adsorption on SnO2(101). <i>Journal of Physics Condensed Matter</i> , 2006 , 18, L129-L134	1.8	12
36	Steps on anatase TiO2(101). Nature Materials, 2006, 5, 665-70	27	357
35	Adsorption of water on reconstructed rutile TiO2(011)-(2 x 1): Ti=O double bonds and surface reactivity. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9895-903	16.4	104
34	Gas-phase-dependent properties of SnO2 (110), (100), and (101) single-crystal surfaces: Structure, composition, and electronic properties. <i>Physical Review B</i> , 2005 , 72,	3.3	185
33	The surface and materials science of tin oxide. <i>Progress in Surface Science</i> , 2005 , 79, 47-154	6.6	1903
32	Mixed dissociated/molecular monolayer of water on the TiO2(011)-(211) surface. <i>Surface Science</i> , 2005 , 591, L267-L272	1.8	40
31	Pure and cobalt-doped SnO2(101) films grown by molecular beam epitaxy on Al2O3. <i>Thin Solid Films</i> , 2005 , 484, 132-139	2.2	76
30	Growth of Copper on Single Crystalline ZnO: Surface Study of a Model Catalyst. <i>Topics in Catalysis</i> , 2005 , 36, 65-76	2.3	56
29	Epitaxial growth of tin oxide on Pt(111): Structure and properties of wetting layers and SnO2 crystallites. <i>Physical Review B</i> , 2004 , 69,	3.3	31
28	Surface structure of TiO2(011)-(2x1). Physical Review Letters, 2004, 93, 036104	7.4	87
27	Suppressed surface alloying for a bulk miscible system: Ge on Pt(100). <i>Physical Review B</i> , 2004 , 69,	3.3	6
26	Surface oxygen chemistry of a gas-sensing material: SnO 2 (101). Europhysics Letters, 2004, 65, 61-67	1.6	55
25	Silver on Pt(1 0 0)Eoom temperature growth and high temperature alloying. <i>Surface Science</i> , 2004 , 553, 50-60	1.8	19

24	Metastable surface structures of the bimetallic Sn/Pt(1 0 0) system. Surface Science, 2004, 558, 35-48	1.8	11
23	Fundamental studies of titanium oxide-Pt(100) interfaces II. Influence of oxidation and reduction reactions on the surface structure of TiOx films on Pt(100). <i>Surface Science</i> , 2004 , 572, 146-161	1.8	30
22	Fundamental studies of titanium oxide P t(1 0 0) interfaces: I. Stable high temperature structures formed by annealing TiOx films on Pt(1 0 0). <i>Surface Science</i> , 2004 , 572, 127-145	1.8	53
21	Tuning the oxide/organic interface: Benzene on SnO2(101). <i>Applied Physics Letters</i> , 2004 , 85, 5766-5768	3.4	35
20	Silver on Pt(100): Alloying vs. surface reconstruction two competing mechanisms to reduce surface stress. <i>Europhysics Letters</i> , 2003 , 64, 70-76	1.6	14
19	Influence of subsurface, charged impurities on the adsorption of chlorine at TiO2(1 1 0). <i>Chemical Physics Letters</i> , 2003 , 367, 319-323	2.5	23
18	Surface morphologies of SnO2(110). Surface Science, 2003, 529, 295-311	1.8	56
17	Structural and chemical properties of a c(20)IIi/Pt(100) second-layer alloy: A probe of strong ligand effects on surface Pt atoms. <i>Physical Review B</i> , 2003 , 68,	3.3	10
16	Ultrahigh vacuum instrument that combines variable-temperature scanning tunneling microscopy with Fourier transform infrared reflection-absorption spectroscopy for studies of chemical reactions at surfaces. <i>Review of Scientific Instruments</i> , 2002 , 73, 1267-1272	1.7	11
15	Variations of the local electronic surface properties of TiO2(110) induced by intrinsic and extrinsic defects. <i>Physical Review B</i> , 2002 , 66,	3.3	69
14	Deposition of silver on the Pt(100)-hex surface: kinetic control of alloy formation and composition by surface reconstruction. <i>Surface Science</i> , 2002 , 498, L85-L90	1.8	9
13	Evidence for slow oxygen exchange between multiple adsorption sites at high oxygen coverages on Pt(111). <i>Surface Science</i> , 2002 , 498, L91-L96	1.8	28
12	Ion-beam-directed self-organization of conducting nanowire arrays. <i>Physical Review B</i> , 2001 , 63,	3.3	8
11	Structure of monolayer tin oxide films on Pt(111) formed using NO2 as an efficient oxidant. <i>Physical Review B</i> , 2001 , 64,	3.3	27
10	Self-organized molecular-sized, hexagonally ordered SnOx nanodot superlattices on Pt(111). <i>Applied Physics Letters</i> , 2001 , 78, 2766-2768	3.4	18
9	Tin-oxide overlayer formation by oxidation of PtBn(111) surface alloys. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 1953-1958	2.9	19
8	Self-organization of large-area periodic nanowire arrays by glancing incidence ion bombardment of CaF2(111) surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 1829-1834	2.9	9
7	Preferential sputtering induced stress domains and mesoscopic phase separation on CaF2(111). <i>Physical Review Letters</i> , 2000 , 85, 780-3	7.4	7

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6	Electronic contrast in scanning tunneling microscopy of Sn P t(111) surface alloys. <i>Surface Science</i> , 2000 , 466, L821-L826	1.8	42
5	Shape transition of calcium islands formed by electron-stimulated desorption of fluorine from a CaF2(111) surface. <i>Applied Physics Letters</i> , 2000 , 77, 1955-1957	3.4	6
4	Fabrication of periodic nanoscale Ag-wire arrays on vicinal surfaces. <i>Nanotechnology</i> , 1998 , 9, 20-29	3.4	8
3	Preparation by glancing incidence ion irradiation of surfaces with figstrom-scale RMS roughness. <i>Nanotechnology</i> , 1997 , 8, 40-45	3.4	22
2	Edge and Point-Defect Induced Electronic and Magnetic Properties in Monolayer PtSe 2. <i>Advanced Functional Materials</i> ,2110428	15.6	3
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