

Andrew Wee

List of Publications by Year in descending order

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745
papers

29,275
citations

5558

82
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9839

141
g-index

773
all docs

773
docs citations

773
times ranked

33607
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Gated Epitaxial Graphene as pH Sensor. Journal of the American Chemical Society, 2008, 130, 14392-14393.	6.6	675
2	Raman Studies of Monolayer Graphene: The Substrate Effect. Journal of Physical Chemistry C, 2008, 112, 10637-10640.	1.5	663
3	Fabrication of NiO Nanowall Electrodes for High Performance Lithium Ion Battery. Chemistry of Materials, 2008, 20, 3360-3367.	3.2	605
4	Surface Transfer p-Type Doping of Epitaxial Graphene. Journal of the American Chemical Society, 2007, 129, 10418-10422.	6.6	554
5	Monolayer MoSe ₂ Grown by Chemical Vapor Deposition for Fast Photodetection. ACS Nano, 2014, 8, 8582-8590.	7.3	515
6	Raman spectroscopy of epitaxial graphene on a SiC substrate. Physical Review B, 2008, 77, .	1.1	477
7	Ferromagnetism in Dilute Magnetic Semiconductors through Defect Engineering: Li-Doped ZnO. Physical Review Letters, 2010, 104, 137201.	2.9	428
8	Surface-Energy Engineering of Graphene. Langmuir, 2010, 26, 3798-3802.	1.6	426
9	Role of Metal Contacts in High-Performance Phototransistors Based on WSe ₂ Monolayers. ACS Nano, 2014, 8, 8653-8661.	7.3	380
10	Bandgap tunability at single-layer molybdenum disulphide grain boundaries. Nature Communications, 2015, 6, 6298.	5.8	358
11	Surface transfer doping induced effective modulation on ambipolar characteristics of few-layer black phosphorus. Nature Communications, 2015, 6, 6485.	5.8	335
12	Towards single molecule switches. Chemical Society Reviews, 2015, 44, 2998-3022.	18.7	306
13	Band-like Transport in Surface-Functionalized Highly Solution-Processable Graphene Nanosheets. Advanced Materials, 2008, 20, 3440-3446.	11.1	299
14	Co ₃ O ₄ Nanostructures with Different Morphologies and their Field-Emission Properties. Advanced Functional Materials, 2007, 17, 1932-1939.	7.8	297
15	Vapour-liquid-solid growth of monolayer MoS ₂ nanoribbons. Nature Materials, 2018, 17, 535-542.	13.3	286
16	Surface transfer doping of semiconductors. Progress in Surface Science, 2009, 84, 279-321.	3.8	282
17	An XPS investigation of the oxidation/corrosion of melt-spun Mg. Applied Surface Science, 2000, 158, 112-119.	3.1	268
18	An ultra-sensitive electrochemical sensor based on 2D g-C ₃ N ₄ /CuO nanocomposites for dopamine detection. Carbon, 2018, 130, 652-663.	5.4	250

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19	Spatially Resolved Electronic Structures of Atomically Precise Armchair Graphene Nanoribbons. Scientific Reports, 2012, 2, 983.	1.6	246
20	Giant photoluminescence enhancement in tungsten-diselenide-gold plasmonic hybrid structures. Nature Communications, 2016, 7, 11283.	5.8	244
21	Nanoscale materials patterning and engineering by atomic force microscopy nanolithography. Materials Science and Engineering Reports, 2006, 54, 1-48.	14.8	235
22	Bottom-up Growth of Epitaxial Graphene on 6H-SiC(0001). ACS Nano, 2008, 2, 2513-2518.	7.3	232
23	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. ACS Nano, 2018, 12, 7445-7481.	7.3	225
24	High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable PdSe ₂ . Advanced Materials, 2019, 31, e1807609.	11.1	223
25	Multiwalled Carbon Nanotubes Beaded with ZnO Nanoparticles for Ultrafast Nonlinear Optical Switching. Advanced Materials, 2006, 18, 587-592.	11.1	219
26	Electronic structure of graphite oxide and thermally reduced graphite oxide. Carbon, 2011, 49, 1362-1366.	5.4	218
27	Defect Engineering of Two-Dimensional Transition-Metal Dichalcogenides: Applications, Challenges, and Opportunities. ACS Nano, 2021, 15, 2165-2181.	7.3	217
28	Van der Waals stacked 2D layered materials for optoelectronics. 2D Materials, 2016, 3, 022001.	2.0	213
29	Electron-Doping-Enhanced Trion Formation in Monolayer Molybdenum Disulfide Functionalized with Cesium Carbonate. ACS Nano, 2014, 8, 5323-5329.	7.3	211
30	Organic/Organic Heterojunction Interfaces: Effect of Molecular Orientation. Advanced Functional Materials, 2011, 21, 410-424.	7.8	210
31	Room-Temperature Ferromagnetism of Cu-Doped ZnO Films Probed by Soft X-Ray Magnetic Circular Dichroism. Physical Review Letters, 2010, 105, 207201.	2.9	205
32	Phase Diagram and Superconducting Dome of Infinite-Layer $\text{Nd}_{1-x}\text{Ce}_x\text{Bi}_2\text{Se}_3$ Thin Film. Physical Review Letters, 2020, 125, 147003.	2.9	204
33	Giant Two-Photon Absorption in Bilayer Graphene. Nano Letters, 2011, 11, 2622-2627.	4.5	191
34	Atomic structure of the 6H-SiC(0001) nanomesh. Surface Science, 2005, 596, 176-186.	0.8	179
35	Electronic and optical properties of nitrogen-doped multiwalled carbon nanotubes. Physical Review B, 2006, 73, .	1.1	173
36	Structural and Electronic Properties of PTCDA Thin Films on Epitaxial Graphene. ACS Nano, 2009, 3, 3431-3436.	7.3	167

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37	The organicâ€“2D transition metal dichalcogenide heterointerface. <i>Chemical Society Reviews</i> , 2018, 47, 3241-3264.	18.7	158
38	Manipulating the electronic and chemical properties of graphene via molecular functionalization. <i>Progress in Surface Science</i> , 2013, 88, 132-159.	3.8	157
39	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. <i>Chemistry of Materials</i> , 2008, 20, 7017-7021.	3.2	152
40	Fabrication of Size-Tunable Gold Nanoparticles Array with Nanosphere Lithography, Reactive Ion Etching, and Thermal Annealing. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11100-11109.	1.2	151
41	Controllable Synthesis of Graphene by Plasmaâ€“Enhanced Chemical Vapor Deposition and Its Related Applications. <i>Advanced Science</i> , 2016, 3, 1600003.	5.6	147
42	Critical review of the current status of thickness measurements for ultrathin SiO ₂ on Si Part V: Results of a CCQM pilot study. <i>Surface and Interface Analysis</i> , 2004, 36, 1269-1303.	0.8	138
43	Enhanced Electrocatalytic Hydrogen Evolution Activity in Single-Atom Pt-Decorated VS ₂ Nanosheets. <i>ACS Nano</i> , 2020, 14, 5600-5608.	7.3	135
44	Recent developments in 2D transition metal dichalcogenides: phase transition and applications of the (quasi-)metallic phases. <i>Chemical Society Reviews</i> , 2021, 50, 10087-10115.	18.7	135
45	Surface transfer hole doping of epitaxial graphene using MoO ₃ thin film. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	130
46	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	11.1	129
47	Point Defects and Localized Excitons in 2D WSe ₂ . <i>ACS Nano</i> , 2019, 13, 6050-6059.	7.3	127
48	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	126
49	Critical Crystal Growth of Graphene on Dielectric Substrates at Low Temperature for Electronic Devices. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14121-14126.	7.2	125
50	Controllable unzipping for intramolecular junctions of graphene nanoribbons and single-walled carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 1374.	5.8	125
51	Low Temperature Critical Growth of High Quality Nitrogen Doped Graphene on Dielectrics by Plasma-Enhanced Chemical Vapor Deposition. <i>ACS Nano</i> , 2015, 9, 164-171.	7.3	125
52	Amorphous Molybdenum Sulfide on Grapheneâ€“Carbon Nanotube Hybrids as Highly Active Hydrogen Evolution Reaction Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5961-5971.	4.0	121
53	Atomically Dispersed Indium Sites for Selective CO ₂ Electroreduction to Formic Acid. <i>ACS Nano</i> , 2021, 15, 5671-5678.	7.3	121
54	Three-Dimensional Self-Assembled Monolayer (3D SAM) ofn-Alkanethiols on Copper Nanoclusters. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11001-11010.	1.2	120

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55	Plasmon dispersion on epitaxial graphene studied using high-resolution electron energy-loss spectroscopy. <i>Physical Review B</i> , 2009, 80, .	1.1	118
56	Raman enhancement on ultra-clean graphene quantum dots produced by quasi-equilibrium plasma-enhanced chemical vapor deposition. <i>Nature Communications</i> , 2018, 9, 193.	5.8	117
57	Frictional characteristics of exfoliated and epitaxial graphene. <i>Carbon</i> , 2011, 49, 4070-4073.	5.4	116
58	Indium tin oxide films prepared by radio frequency magnetron sputtering method at a low processing temperature. <i>Thin Solid Films</i> , 2000, 376, 255-263.	0.8	113
59	Investigation of annealing effects on indium tin oxide thin films by electron energy loss spectroscopy. <i>Thin Solid Films</i> , 2000, 359, 244-250.	0.8	109
60	One-step Synthesis of Few-layer WS ₂ by Pulsed Laser Deposition. <i>Scientific Reports</i> , 2016, 5, 18116.	1.6	108
61	Synergistic additive-mediated CVD growth and chemical modification of 2D materials. <i>Chemical Society Reviews</i> , 2019, 48, 4639-4654.	18.7	108
62	Surface Transfer Doping of Diamond (100) by Tetrafluoro-tetracyanoquinodimethane. <i>Journal of the American Chemical Society</i> , 2007, 129, 8084-8085.	6.6	105
63	Gold and silver coated carbon nanotubes: An improved broad-band optical limiter. <i>Chemical Physics Letters</i> , 2005, 409, 85-88.	1.2	104
64	Symmetrical Negative Differential Resistance Behavior of a Resistive Switching Device. <i>ACS Nano</i> , 2012, 6, 2517-2523.	7.3	103
65	Improved photoinduced charge carriers separation in organic-inorganic hybrid photovoltaic devices. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	100
66	Surface transfer doping of diamond by MoO ₃ : A combined spectroscopic and Hall measurement study. <i>Applied Physics Letters</i> , 2013, 103, 202112.	1.5	99
67	Solvent Effects on Chain Orientation and Interchain π -Interaction in Conjugated Polymer Thin Films: Direct Measurements of the Air and Substrate Interfaces by Near-Edge X-ray Absorption Spectroscopy. <i>Advanced Materials</i> , 2007, 19, 215-221.	11.1	97
68	Electronic Manifestation of Cation \square Vacancy \square Induced Magnetic Moments in a Transparent Oxide Semiconductor: Anatase Nb:TiO ₂ . <i>Advanced Materials</i> , 2009, 21, 2282-2287.	11.1	97
69	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. <i>ACS Nano</i> , 2018, 12, 1859-1867.	7.3	97
70	Quasi-Free-Standing Epitaxial Graphene on SiC (0001) by Fluorine Intercalation from a Molecular Source. <i>ACS Nano</i> , 2011, 5, 7662-7668.	7.3	96
71	Magnetic Transition in Monolayer VSe ₂ <i>via</i> Interface Hybridization. <i>ACS Nano</i> , 2019, 13, 8997-9004.	7.3	94
72	Passivity behavior of melt-spun Mg \square Y Alloys. <i>Electrochimica Acta</i> , 2003, 48, 4197-4204.	2.6	93

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73	Effect of hydrogen partial pressure on optoelectronic properties of indium tin oxide thin films deposited by radio frequency magnetron sputtering method. <i>Journal of Applied Physics</i> , 1999, 86, 974-980.	1.1	92
74	Van der Waals magnets: Wonder building blocks for two-dimensional spintronics?. <i>Information Materials</i> , 2019, 1, 479-495.	8.5	91
75	Linear tuning of charge carriers in graphene by organic molecules and charge-transfer complexes. <i>Physical Review B</i> , 2010, 81, .	1.1	88
76	Lithium-doped two-dimensional perovskite scintillator for wide-range radiation detection. <i>Communications Materials</i> , 2020, 1, .	2.9	88
77	Compositional mapping of the argon-methane-hydrogen system for polycrystalline to nanocrystalline diamond film growth in a hot-filament chemical vapor deposition system. <i>Applied Physics Letters</i> , 2000, 77, 2692-2694.	1.5	87
78	Laser Pruning of Carbon Nanotubes as a Route to Static and Movable Structures. <i>Advanced Materials</i> , 2003, 15, 300-303.	11.1	87
79	Heterointerface Screening Effects between Organic Monolayers and Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016, 10, 2476-2484.	7.3	87
80	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. <i>Advanced Materials</i> , 2020, 32, e2000693.	11.1	87
81	Surface chemical processes in metal organic molecular-beam epitaxy; Ga deposition from triethylgallium on GaAs(100). <i>Journal of Applied Physics</i> , 1990, 68, 4053-4063.	1.1	86
82	New soft X-ray facility SINS for surface and nanoscale science at SSLS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 1031-1034.	0.8	85
83	Mechanism of the Fermi level pinning at organic donor-acceptor heterojunction interfaces. <i>Organic Electronics</i> , 2011, 12, 534-540.	1.4	85
84	Superior Performance of Silver Bismuth Iodide Photovoltaics Fabricated via Dynamic Hot-Casting Method under Ambient Conditions. <i>Advanced Energy Materials</i> , 2018, 8, 1802051.	10.2	84
85	Efficient field emission from λ -Fe ₂ O ₃ nanoflakes on an atomic force microscope tip. <i>Applied Physics Letters</i> , 2005, 87, 023103.	1.5	82
86	Field emission properties of N ₂ and Ar plasma-treated multi-wall carbon nanotubes. <i>Carbon</i> , 2005, 43, 2530-2535.	5.4	81
87	Plasma-induced damage to n-type GaN. <i>Applied Physics Letters</i> , 2000, 77, 1795.	1.5	80
88	Molecular Orientation Dependent Energy Level Alignment at Organic/Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12832-12839.	1.5	80
89	Tunable Two-Dimensional Binary Molecular Networks. <i>Small</i> , 2010, 6, 70-75.	5.2	80
90	Fabrication of a Two-Dimensional Periodic Non-Close-Packed Array of Polystyrene Particles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18575-18579.	1.2	79

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91	Exchange Bias in van der Waals CrCl ₃ /Fe ₃ GeTe ₂ Heterostructures. Nano Letters, 2020, 20, 5030-5035.	4.5	78
92	Synthesis of well-aligned multiwalled carbon nanotubes on Ni catalyst using radio frequency plasma-enhanced chemical vapor deposition. Thin Solid Films, 2001, 388, 73-77.	0.8	77
93	Photoluminescence Upconversion by Defects in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 6898-6905.	4.5	76
94	Tuning the Electronic Structure of LaNiO ₃ through Alloying with Strontium to Enhance Oxygen Evolution Activity. Advanced Science, 2019, 6, 1901073.	5.6	76
95	Annealing of ultrashallow p+n junction by 248 nm excimer laser and rapid thermal processing with different preamorphization depths. Applied Physics Letters, 2000, 76, 3197-3199.	1.5	75
96	Tunable inverted gap in monolayer quasi-metallic MoS ₂ induced by strong charge-lattice coupling. Nature Communications, 2017, 8, 486.	5.8	75
97	Enhanced surface transfer doping of diamond by V ₂ O ₅ with improved thermal stability. Applied Physics Letters, 2016, 108, .	1.5	74
98	Raman scattering characterization of CVD graphite films. Carbon, 2008, 46, 963-968.	5.4	72
99	Effects of CF ₄ plasma on the field emission properties of aligned multi-wall carbon nanotube films. Carbon, 2005, 43, 395-400.	5.4	71
100	Large-Scale Synthesis of Fe ₃ O ₄ Nanosheets at Low Temperature. Journal of Physical Chemistry C, 2007, 111, 9136-9141.	1.5	71
101	Conformal hexagonal-boron nitride dielectric interface for tungsten diselenide devices with improved mobility and thermal dissipation. Nature Communications, 2019, 10, 1188.	5.8	71
102	Correlations between CdTe/CdS/SnO ₂ /glass solar cell performance and the interface/surface properties. Journal of Applied Physics, 1996, 79, 2151-2153.	1.1	70
103	Ground-state properties of cubic C-BN solid solutions. Journal of Physics Condensed Matter, 1999, 11, 927-935.	0.7	70
104	Modification of Vapor Phase Concentrations in MoS ₂ Growth Using a NiO Foam Barrier. ACS Nano, 2018, 12, 1339-1349.	7.3	70
105	Molecular orientation transition of organic thin films on graphite: the effect of intermolecular electrostatic and interfacial dispersion forces. Chemical Communications, 2008, , 4276.	2.2	69
106	Understanding the Adsorption of CuPc and ZnPc on Noble Metal Surfaces by Combining Quantum-Mechanical Modelling and Photoelectron Spectroscopy. Molecules, 2014, 19, 2969-2992.	1.7	69
107	Shadow enhanced self-charging power system for wave and solar energy harvesting from the ocean. Nature Communications, 2021, 12, 616.	5.8	69
108	Photoluminescence studies of SiC nanocrystals embedded in a SiO ₂ matrix. Chemical Physics Letters, 2001, 339, 319-322.	1.2	68

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109	Charge transfer across the molecule/metal interface using the core hole clock technique. Surface Science Reports, 2008, 63, 465-486.	3.8	68
110	Molecular orientation dependent interfacial dipole at the F16CuPc ⁺ •CuPc organic heterojunction interface. Applied Physics Letters, 2008, 92, 063308.	1.5	68
111	Reversible Single-Molecule Switching in an Ordered Monolayer Molecular Dipole Array. Small, 2012, 8, 1423-1428.	5.2	68
112	Comparison of nitrogen compositions in the as-grown GaN _x As _{1-x} on GaAs measured by high-resolution x-ray diffraction and secondary-ion mass spectroscopy. Applied Physics Letters, 2002, 80, 4136-4138.	1.5	67
113	Room-Temperature Magnets Based on 1,3,5-Triazine-Linked Porous Organic Radical Frameworks. Chem, 2019, 5, 1223-1234.	5.8	67
114	Oxygen-induced surface state on diamond (100). Diamond and Related Materials, 2001, 10, 500-505.	1.8	66
115	Enhanced field emission from O ₂ and CF ₄ plasma-treated CuO nanowires. Chemical Physics Letters, 2006, 419, 458-463.	1.2	66
116	Work function and electron affinity of the fluorine-terminated (100) diamond surface. Applied Physics Letters, 2013, 102, .	1.5	64
117	C ₆₀ Molecular Chains on Hexithiophene Nanostripes. Small, 2007, 3, 2015-2018.	5.2	63
118	Laser Patterning of Epitaxial Graphene for Schottky Junction Photodetectors. ACS Nano, 2011, 5, 5969-5975.	7.3	63
119	Energy-Gap Opening in a Bi(110) Nanoribbon Induced by Edge Reconstruction. Physical Review Letters, 2012, 109, 246804.	2.9	62
120	Modified carbon nanotubes as broadband optical limiting nanomaterials. Journal of Materials Research, 2006, 21, 2758-2766.	1.2	61
121	Dopant distribution in the recrystallization transient at the maximum melt depth induced by laser annealing. Applied Physics Letters, 2006, 89, 172111.	1.5	61
122	Two-Dimensional Pentacene:3,4,9,10-Perylenetetracarboxylic Dianhydride Supramolecular Chiral Networks on Ag(111). Journal of the American Chemical Society, 2008, 130, 12285-12289.	6.6	61
123	Tuning the Hole Injection Barrier at the Organic/Metal Interface with Self-Assembled Functionalized Aromatic Thiols. Journal of Physical Chemistry B, 2006, 110, 26075-26080.	1.2	60
124	Molecular orientation of 3, 4, 9, 10-perylene-tetracarboxylic-dianhydride thin films at organic heterojunction interfaces. Applied Physics Letters, 2007, 91, 114102.	1.5	60
125	Low-Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F16CuPc Thin Films on Ag(111). Journal of Physical Chemistry C, 2008, 112, 14913-14918.	1.5	60
126	Preferential Trapping of C ₆₀ in Nanomesh Voids. Journal of the American Chemical Society, 2008, 130, 2720-2721.	6.6	60

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127	Low-Temperature Scanning Tunneling Microscopy and Near-Edge X-ray Absorption Fine Structure Investigations of Molecular Orientation of Copper(II) Phthalocyanine Thin Films at Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5036-5042.	1.5	60
128	Probing epitaxial growth of graphene on silicon carbide by metal decoration. <i>Applied Physics Letters</i> , 2008, 92, 104102.	1.5	60
129	Metal-insulator transition in manganites: Changes in optical conductivity up to 22 eV. <i>Physical Review B</i> , 2008, 78, .	1.1	58
130	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. <i>ACS Nano</i> , 2017, 11, 9128-9135.	7.3	58
131	2D Phosphorene: Epitaxial Growth and Interface Engineering for Electronic Devices. <i>Advanced Materials</i> , 2018, 30, e1802207.	11.1	58
132	Two-step fabrication of single-layer rectangular SnSe flakes. <i>2D Materials</i> , 2017, 4, 021026.	2.0	57
133	Cobalt-catalyzed hydrogen desorption from the LiNH ₂ –LiBH ₄ system. <i>Dalton Transactions</i> , 2008, , 2395.	1.6	56
134	Two-dimensional magnetic transition metal chalcogenides. <i>SmartMat</i> , 2021, 2, 139-153.	6.4	56
135	Surface-Transfer Doping of Organic Semiconductors Using Functionalized Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2007, 17, 1339-1344.	7.8	55
136	Gas sensing properties of tin oxide nanostructures synthesized via a solid-state reaction method. <i>Nanotechnology</i> , 2008, 19, 255706.	1.3	55
137	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. <i>Nano Letters</i> , 2016, 16, 3682-3688.	4.5	55
138	Oxygen Passivation Mediated Tunability of Trion and Excitons in MoS_2 . <i>Physical Review Letters</i> , 2017, 119, 077402.	2.9	55
139	Surface Structure and Electronic Properties of In ₂ O ₃ (111) Single-Crystal Thin Films Grown on Y-Stabilized ZrO ₂ (111). <i>Chemistry of Materials</i> , 2009, 21, 4353-4355.	3.2	54
140	Performance Improvement by Ozone Treatment of 2D PdSe ₂ . <i>ACS Nano</i> , 2020, 14, 5668-5677.	7.3	54
141	Large Damage Threshold and Small Electron Escape Depth in X-ray Absorption Spectroscopy of a Conjugated Polymer Thin Film. <i>Langmuir</i> , 2006, 22, 8587-8594.	1.6	53
142	Tunable Arrays of C ₆₀ Molecular Chains. <i>Advanced Materials</i> , 2008, 20, 484-488.	11.1	53
143	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22428-22437.	1.5	53
144	Molecular orientation of CuPc thin films on C60/Ag(111). <i>Applied Physics Letters</i> , 2009, 94, .	1.5	52

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145	Use of Single-Layer g-C ₃ N ₄ /Ag Hybrids for Surface-Enhanced Raman Scattering (SERS). Scientific Reports, 2016, 6, 34599.	1.6	52
146	Electric field-induced carbon nanotube junction formation. Applied Physics Letters, 2001, 79, 260-262.	1.5	50
147	Probing the ultrafast electron transfer at the CuPc•Au(111) interface. Applied Physics Letters, 2006, 88, 184102.	1.5	50
148	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. Journal of Applied Physics, 2009, 106, 064910.	1.1	50
149	Electronic Structure, Chemical Interactions and Molecular Orientations of 3,4,9,10-Perylene-tetracarboxylic-dianhydride on TiO ₂ (110). Journal of Physical Chemistry C, 2011, 115, 24880-24887.	1.5	50
150	Novel CdS Nanostructures: Synthesis and Field Emission. Journal of Physical Chemistry C, 2008, 112, 11227-11230.	1.5	49
151	Recycling Is Not Always Good: The Dangers of Self-Plagiarism. ACS Nano, 2012, 6, 1-4.	7.3	49
152	Optoelectronic Properties of a van der Waals WS ₂ Monolayer/2D Perovskite Vertical Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 45235-45242.	4.0	49
153	Orientationally Ordered C ₆₀ on <i>p</i> -Sexiphenyl Nanostripes on Ag(111). ACS Nano, 2008, 2, 693-698.	7.3	48
154	Nonlocal Chemical Reactivity at Organic•Metal Interfaces. ACS Nano, 2009, 3, 3684-3690.	7.3	48
155	Observation of room-temperature high-energy resonant excitonic effects in graphene. Physical Review B, 2011, 84, .	1.1	48
156	Fabry•Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. Nano Letters, 2017, 17, 7593-7598.	4.5	48
157	Metallic 1T Phase, 3d ¹ Electronic Configuration and Charge Density Wave Order in Molecular Beam Epitaxy Grown Monolayer Vanadium Ditefluoride. ACS Nano, 2019, 13, 12894-12900.	7.3	48
158	Effect of Functional Group (Fluorine) of Aromatic Thiols on Electron Transfer at the Molecule•Metal Interface. Journal of the American Chemical Society, 2006, 128, 935-939.	6.6	47
159	Effect of Molecule•Substrate Interaction on Thin-Film Structures and Molecular Orientation of Pentacene on Silver and Gold. Langmuir, 2007, 23, 8336-8342.	1.6	47
160	Origin of the energy level alignment at organic/organic interfaces: The role of structural defects. Physical Review B, 2014, 89, .	1.1	47
161	Micro/nano-structured ultrathin g-C ₃ N ₄ /Ag nanoparticle hybrids as efficient electrochemical biosensors for l-tyrosine. Applied Surface Science, 2019, 467-468, 608-618.	3.1	47
162	Oxygen-induced controllable p-type doping in 2D semiconductor transition metal dichalcogenides. Nano Research, 2020, 13, 3439-3444.	5.8	47

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163	Miscibility of carboxyl-containing polysiloxane/poly(vinylpyridine) blends. <i>Polymer</i> , 2000, 41, 6563-6571.	1.8	46
164	Molecular Trapping on Two-Dimensional Binary Supramolecular Networks. <i>Journal of the American Chemical Society</i> , 2011, 133, 820-825.	6.6	46
165	Corrosion behavior of melt-spun Mg ₆₅ Ni ₂₀ Nd ₁₅ and Mg ₆₅ Cu ₂₅ Y ₁₀ metallic glasses. <i>Electrochimica Acta</i> , 2003, 48, 2641-2650.	2.6	45
166	Reactive Co magic cluster formation on Si(111)-(7 \times 7). <i>Physical Review B</i> , 2005, 72, .	1.1	45
167	Tailoring Wettability Change on Aligned and Patterned Carbon Nanotube Films for Selective Assembly. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1672-1678.	1.2	45
168	Scanning Tunneling Microscopy Investigation of Self-Assembled CuPc/F ₁₆ CuPc Binary Superstructures on Graphite. <i>Langmuir</i> , 2010, 26, 3329-3334.	1.6	45
169	The evolution of R ₃₀ and 6 \times 3—6 \times 3R ₃₀ superstructures on 6H-SiC (0001) surfaces studied by reflection high energy electron diffraction. <i>Surface Science</i> , 2001, 478, 57-71.	0.8	44
170	Self-assembled Growth of Coaxial Crystalline Nanowires. <i>Nano Letters</i> , 2004, 4, 2023-2026.	4.5	44
171	Reversible work function changes induced by photoisomerization of asymmetric azobenzene dithiol self-assembled monolayers on gold. <i>Applied Physics Letters</i> , 2008, 93, 083109.	1.5	44
172	Correlation between the corrosion behavior and corrosion films formed on the surfaces of Mg ₈₂ Ni ₁₈ Ndx (x=0, 5, 15) amorphous alloys. <i>Applied Surface Science</i> , 2001, 173, 54-61.	3.1	43
173	Atomic-scale structure of the fivefold surface of an AlPdMn quasicrystal: A quantitative x-ray photoelectron diffraction analysis. <i>Physical Review B</i> , 2004, 69, .	1.1	43
174	Water-Bridge-Assisted Ionic Conduction in Probe-Induced Conical Polymer Pattern Formation. <i>Advanced Materials</i> , 2005, 17, 1386-1390.	11.1	43
175	Creating Polymer Structures of Tunable Electric Functionality by Nanoscale Discharge-Assisted Cross-Linking and Oxygenation. <i>Journal of the American Chemical Society</i> , 2006, 128, 2738-2744.	6.6	43
176	Synthesis and Characterization of a New Ternary Imide Li ₂ Ca(NH) ₂ . <i>Inorganic Chemistry</i> , 2007, 46, 517-521.	1.9	42
177	Pt/CNT-Based Electrodes with High Electrochemical Activity and Stability for Proton Exchange Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2010, 157, B245.	1.3	42
178	Large room-temperature quantum linear magnetoresistance in multilayered epitaxial graphene: Evidence for two-dimensional magnetotransport. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	42
179	Self-Assembly of Polar Phthalocyanine Molecules on Graphene Grown by Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21849-21855.	1.5	42
180	Tunable optical absorption and interactions in graphene via oxygen plasma. <i>Physical Review B</i> , 2014, 89, .	1.1	42

#	ARTICLE	IF	CITATIONS
181	Electronic-reconstruction-enhanced hydrogen evolution catalysis in oxide polymorphs. <i>Nature Communications</i> , 2019, 10, 3149.	5.8	42
182	Mechanical Strain Manipulation of Exchange Bias Field and Spin Dynamics in FeCo/IrMn Multilayers Grown on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8258-8265.	4.0	42
183	Development of chemical beam epitaxy for the deposition of gallium nitride. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 29, 78-82.	1.7	41
184	Amorphous molybdenum sulfide on graphene-carbon nanotube hybrids as supercapacitor electrode materials. <i>RSC Advances</i> , 2017, 7, 6856-6864.	1.7	41
185	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	4.5	41
186	Dual phases of crystalline and electronic structures in the nanocrystalline perovskite CsPbBr ₃ . <i>NPG Asia Materials</i> , 2019, 11, .	3.8	41
187	Graphene-Carbon Nanotube Hybrids as Robust Catalyst Supports in Proton Exchange Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, F255-F263.	1.3	40
188	Structuring Nonlinear Wavefront Emitted from Monolayer Transition-Metal Dichalcogenides. <i>Research</i> , 2020, 2020, 9085782.	2.8	40
189	Growth dynamics and kinetics of monolayer and multilayer graphene on a 6H-SiC(0001) substrate. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13522.	1.3	39
190	Characterization of hexavalent chromium interaction with Sargassum by X-ray absorption fine structure spectroscopy, X-ray photoelectron spectroscopy, and quantum chemistry calculation. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 741-748.	5.0	39
191	The resistive switching in TiO ₂ films studied by conductive atomic force microscopy and Kelvin probe force microscopy. <i>AIP Advances</i> , 2013, 3, .	0.6	39
192	Two-dimensional ferromagnetic superlattices. <i>National Science Review</i> , 2020, 7, 745-754.	4.6	39
193	The effect of moiré superstructures on topological edge states in twisted bismuthene homojunctions. <i>Science Advances</i> , 2020, 6, eaba2773.	4.7	39
194	Low dielectric constant SiOC:H films as copper diffusion barrier. <i>Journal of Applied Physics</i> , 2003, 93, 1241-1245.	1.1	38
195	Growth of monodispersed cobalt nanoparticles on 6H-SiC(0001) honeycomb template. <i>Applied Physics Letters</i> , 2004, 84, 281-283.	1.5	38
196	Configuration-Dependent Interface Charge Transfer at a Molecule-Metal Junction. <i>Journal of the American Chemical Society</i> , 2006, 128, 8003-8007.	6.6	38
197	Self-organized nanodot formation on InP(100) by argon ion sputtering at normal incidence. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 1444.	1.3	38
198	Thickness-dependent energy level alignment of rubrene adsorbed on Au(111). <i>Applied Physics Letters</i> , 2007, 90, 132121.	1.5	38

#	ARTICLE	IF	CITATIONS
199	Self-assembled organic donor/acceptor nanojunction arrays. Applied Physics Letters, 2008, 92, .	1.5	38
200	Annealing effects of tantalum thin films sputtered on [001] silicon substrate. Materials Science and Engineering C, 2001, 16, 85-89.	3.8	37
201	An investigation of structure, magnetic properties and magnetoresistance of Ni films prepared by sputtering. Journal of Magnetism and Magnetic Materials, 2004, 284, 303-311.	1.0	37
202	Surface studies of chemically processed polyaniline films. Synthetic Metals, 1993, 53, 333-345.	2.1	36
203	Argon incorporation and silicon carbide formation during low energy argon ion bombardment of Si(100). Journal of Applied Physics, 1996, 79, 2934-2941.	1.1	36
204	Raman and photoluminescence properties of Ge nanocrystals in silicon oxide matrix. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 107, 8-13.	1.7	36
205	Probe-Induced Native Oxide Decomposition and Localized Oxidation on 6H-SiC (0001) Surface: An Atomic Force Microscopy Investigation. Journal of the American Chemical Society, 2004, 126, 7665-7675.	6.6	36
206	Optical travelator: transport and dynamic sorting of colloidal microspheres with an asymmetrical line optical tweezers. Applied Physics B: Lasers and Optics, 2006, 83, 121-125.	1.1	36
207	One dimensional molecular dipole chain arrays on graphite via nanoscale phase separation. Chemical Communications, 2010, 46, 9040.	2.2	36
208	Electrical measurement of non-destructively p-type doped graphene using molybdenum trioxide. Applied Physics Letters, 2011, 99, .	1.5	36
209	Continuously Tuning Electronic Properties of Few-Layer Molybdenum Ditelluride with <i>in Situ</i> Aluminum Modification toward Ultrahigh Gain Complementary Inverters. ACS Nano, 2019, 13, 9464-9472.	7.3	36
210	Water-Induced Negative Electron Affinity on Diamond (100). Journal of Physical Chemistry C, 2008, 112, 2487-2491.	1.5	35
211	Effect of Fluorination on the Molecular Packing of Perfluoropentacene and Pentacene Ultrathin Films on Ag (111). Journal of Physical Chemistry C, 2010, 114, 9356-9361.	1.5	35
212	Energy Level Realignment in Weakly Interacting Donor-Acceptor Binary Molecular Networks. ACS Nano, 2014, 8, 1699-1707.	7.3	35
213	Reducing the Schottky barrier between few-layer MoTe ₂ and gold. 2D Materials, 2017, 4, 045016.	2.0	35
214	Upconversion Photovoltaic Effect of WS ₂ /2D Perovskite Heterostructures by Two-Photon Absorption. ACS Nano, 2021, 15, 10437-10443.	7.3	35
215	Native oxide decomposition and local oxidation of 6H-SiC (0001) surface by atomic force microscopy. Applied Physics Letters, 2004, 84, 4914-4916.	1.5	34
216	Interplay of Processing, Morphological Order, and Charge-Carrier Mobility in Polythiophene Thin Films Deposited by Different Methods: Comparison of Spin-Cast, Drop-Cast, and Inkjet-Printed Films. Langmuir, 2010, 26, 15494-15507.	1.6	34

#	ARTICLE	IF	CITATIONS
217	Impact of molecule-dipole orientation on energy level alignment at the submolecular scale. <i>Physical Review B</i> , 2013, 87, .	1.1	34
218	Observation of perfect diamagnetism and interfacial effect on the electronic structures in infinite layer Nd _{0.8} Sr _{0.2} NiO ₂ superconductors. <i>Nature Communications</i> , 2022, 13, 743.	5.8	34
219	Improved NiSi salicide process using presilicide N ₂ /sup +/ implant for MOSFETs. <i>IEEE Electron Device Letters</i> , 2000, 21, 566-568.	2.2	33
220	Observation of a surface alloying-to-dealloying transition during growth of Bi on Ag(111). <i>Physical Review B</i> , 2011, 83, .	1.1	33
221	LT-STM studies on substrate-dependent self-assembly of small organic molecules. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 464005.	1.3	33
222	SIMS study of NO, CO adsorption on Cu(100) and Cu(210) surfaces. <i>Surface Science</i> , 1994, 304, 145-158.	0.8	32
223	Influence of annealing temperature on ferroelectric properties of SrBi ₂ Ta ₂ O ₉ thin films prepared by off-axis radio frequency magnetron sputtering. <i>Journal of Applied Physics</i> , 2000, 88, 5928-5934.	1.1	32
224	Microstructural characterization of rf sputtered polycrystalline silicon germanium films. <i>Journal of Applied Physics</i> , 2002, 91, 444.	1.1	32
225	Optical limiting properties of amorphous Si ₃ N ₄ and SiC coated carbon nanotubes. <i>Chemical Physics Letters</i> , 2004, 383, 72-75.	1.2	32
226	Electrical Discharge in a Nanometer-Sized Air/Water Gap Observed by Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 15562-15567.	6.6	32
227	Role of π -Hole-Doped Interfaces at Ohmic Contacts to Organic Semiconductors. <i>Physical Review Letters</i> , 2009, 103, 036601.	2.9	32
228	Competition between Hexagonal and Tetragonal Hexabromobenzene Packing on Au(111). <i>ACS Nano</i> , 2016, 10, 3198-3205.	7.3	32
229	Local Structural Evolution of Co-Doped ZnO Nanoparticles upon Calcination Studied by in Situ Quick-Scan XAFS. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3489-3495.	1.5	31
230	Experimental Observation of the Crystallization of a Paired Holon State. <i>Physical Review Letters</i> , 2010, 105, 026402.	2.9	31
231	Cationic-vacancy-induced room-temperature ferromagnetism in transparent, conducting anatase Ti _{1-x} Ta _x O ₂ (x ≈ 0.05) thin films. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 4927-4943.	1.6	31
232	Quantitative Femtosecond Charge Transfer Dynamics at Organic/Electrode Interfaces Studied by Core-Hole Clock Spectroscopy. <i>Advanced Materials</i> , 2014, 26, 7880-7888.	11.1	31
233	Ferromagnet/Two-Dimensional Semiconducting Transition-Metal Dichalcogenide Interface with Perpendicular Magnetic Anisotropy. <i>ACS Nano</i> , 2019, 13, 2253-2261.	7.3	31
234	Surface studies of the thermal decomposition of triethylgallium on GaAs (100). <i>Journal of Crystal Growth</i> , 1990, 105, 199-202.	0.7	30

#	ARTICLE	IF	CITATIONS
235	Study of copper diffusion into Ta and TaN barrier materials for MOS devices. Thin Solid Films, 2004, 462-463, 240-244.	0.8	30
236	Nanoparticle Dispersion on Reconstructed Carbon Nanomeshes. Langmuir, 2004, 20, 10779-10784.	1.6	30
237	C60on SiC Nanomesh. Journal of Physical Chemistry B, 2006, 110, 21873-21881.	1.2	30
238	Structural and magnetic characterization of soft-magnetic FeCo alloy nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 11-14.	0.8	30
239	CVD Graphene as Interfacial Layer to Engineer the Organic Donor-Acceptor Heterojunction Interface Properties. ACS Applied Materials & Interfaces, 2012, 4, 3134-3140.	4.0	30
240	Oxygen Electromigration and Energy Band Reconstruction Induced by Electrolyte Field Effect at Oxide Interfaces. Physical Review Letters, 2018, 121, 146802.	2.9	30
241	Miscibility and interactions in blends of carboxyl-containing polysiloxane with poly(1-vinylimidazole). Polymer, 2001, 42, 5463-5469.	1.8	29
242	Chemical vapor deposition graphene as structural template to control interfacial molecular orientation of chloroaluminium phthalocyanine. Applied Physics Letters, 2011, 99, 093301.	1.5	29
243	Impact of Fluorination on Initial Growth and Stability of Pentacene on Cu(111). Journal of Physical Chemistry C, 2012, 116, 7726-7734.	1.5	29
244	Energy harvesting from shadow-effect. Energy and Environmental Science, 2020, 13, 2404-2413.	15.6	29
245	Ti-doped ZnO Thin Films Prepared at Different Ambient Conditions: Electronic Structures and Magnetic Properties. Materials, 2010, 3, 3642-3653.	1.3	28
246	Molecular Orientation and Site Dependent Charge Transfer Dynamics at PTCDA/TiO ₂ (110) Interface Revealed by Resonant Photoemission Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 4160-4166.	1.5	28
247	Molecular Beam Epitaxy of Two-Dimensional Vanadium-Molybdenum Diselenide Alloys. ACS Nano, 2020, 14, 11140-11149.	7.3	28
248	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. Journal of Physical Chemistry Letters, 2021, 12, 7752-7760.	2.1	28
249	Determination of nitrogen composition in GaN _x As _{1-x} epilayer on GaAs. Journal of Crystal Growth, 2004, 268, 470-474.	0.7	27
250	Oxide growth and its dielectrical properties on alkylsilated native-SiO ₂ /Si surface. Chemical Physics Letters, 2004, 388, 446-451.	1.2	27
251	InSbN based p-n junctions for infrared photodetection. Electronics Letters, 2010, 46, 787.	0.5	27
252	Aluminium film growth by chemical vapour deposition of AlH ₃ (NMe ₃) ₂ . Journal of the Chemical Society Chemical Communications, 1990, , 11.	2.0	26

#	ARTICLE	IF	CITATIONS
253	Electronic properties of CsSnBr ₃ : studies by experiment and theory. Surface and Interface Analysis, 1999, 28, 81-83.	0.8	26
254	Organic light emitting devices performance improvement by inserting thin parylene layer. Synthetic Metals, 2004, 140, 295-299.	2.1	26
255	Metallic Nanoparticle Network for Photocurrent Generation and Photodetection. Advanced Materials, 2009, 21, 3016-3021.	11.1	26
256	Growth of well-aligned Bi nanowire on Ag(111). Applied Surface Science, 2009, 256, 460-464.	3.1	26
257	Ultrathin Films of Diindenoperylene on Graphite and SiO ₂ . Journal of Physical Chemistry C, 2009, 113, 9251-9255.	1.5	26
258	Rational design of two-dimensional molecular donor-acceptor nanostructure arrays. Nanoscale, 2015, 7, 4306-4324.	2.8	26
259	Selective self-assembly of 2,3-diaminophenazine molecules on MoSe ₂ mirror twin boundaries. Nature Communications, 2019, 10, 2847.	5.8	26
260	Nonlinear optical response of Ge nanocrystals in silica matrix with excitation of femtosecond pulses. Applied Physics B: Lasers and Optics, 2001, 72, 611-615.	1.1	25
261	Control of transient enhanced diffusion of boron after laser thermal processing of preamorphized silicon. Journal of Applied Physics, 2002, 92, 1344-1350.	1.1	25
262	Effect of parylene layer on the performance of OLED. Microelectronics Journal, 2004, 35, 325-328.	1.1	25
263	Temperature dependence of solvation forces as measured in atomic force microscopy. Journal of Chemical Physics, 2009, 130, 134703.	1.2	25
264	Charge transfer dynamics of 3,4,9,10-perylene-tetracarboxylic-dianhydride molecules on Au(111) probed by resonant photoemission spectroscopy. Journal of Chemical Physics, 2011, 135, 174701.	1.2	25
265	The Direct Growth of Graphene-Carbon Nanotube Hybrids as Catalyst Support for High-Performance PEM Fuel Cells. ECS Electrochemistry Letters, 2014, 3, F37-F40.	1.9	25
266	Layer Rotation-Angle-Dependent Excitonic Absorption in van der Waals Heterostructures Revealed by Electron Energy Loss Spectroscopy. ACS Nano, 2019, 13, 9541-9550.	7.3	25
267	Atomic-Scale Metal-Insulator Transition in SrRuO ₃ Ultrathin Films Triggered by Surface Termination Conversion. Advanced Materials, 2020, 32, e1905815.	11.1	25
268	Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene. Advanced Materials, 2020, 32, e2002201.	11.1	25
269	Dynamics of optical nonlinearity of Ge nanocrystals in a silica matrix. Applied Physics Letters, 2000, 77, 3926-3928.	1.5	24
270	Miscibility and interactions in poly(2,2,3,3,3-pentafluoropropyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (methacrylate-co-4-vinylpyri	1.8	24

#	ARTICLE	IF	CITATIONS
271	Nucleation of cobalt silicide islands on Si(111)-7 Å ⁻⁷ . Journal of Physics Condensed Matter, 2006, 18, 6987-6995.	0.7	24
272	Self-assembly on silicon carbide nanomesh templates. Journal Physics D: Applied Physics, 2007, 40, 6287-6299.	1.3	24
273	Low-temperature scanning tunneling microscopy and near-edge X-ray absorption fine structure investigation of epitaxial growth of AF16CuPc thin films on graphite. Applied Physics A: Materials Science and Processing, 2009, 95, 107-111.	1.1	24
274	The surface electronic structure of silicon terminated (100) diamond. Nanotechnology, 2016, 27, 275201.	1.3	24
275	XPS studies on nitridation of InP(100) surface by ion beam bombardment. Journal Physics D: Applied Physics, 1996, 29, 2997-3002.	1.3	23
276	Pulsed laser deposition-assisted patterning of aligned carbon nanotubes modified by focused laser beam for efficient field emission. Carbon, 2005, 43, 2128-2133.	5.4	23
277	Patterning and fusion of CuO nanorods with a focused laser beam. Nanotechnology, 2005, 16, 1238-1244.	1.3	23
278	Electronic structure of Co-induced magic clusters grown on Si(111)-7 Å ⁻⁷ : Scanning tunneling microscopy and spectroscopy and real-space multiple-scattering calculations. Physical Review B, 2006, 73, .	1.1	23
279	Effect of Tip Size on Force Measurement in Atomic Force Microscopy. Langmuir, 2008, 24, 2271-2273.	1.6	23
280	Deoxidation of graphene oxide nanosheets to extended graphenites by "unzipping" elimination. Journal of Chemical Physics, 2008, 129, 114702.	1.2	23
281	Incorporating Isolated Molybdenum (Mo) Atoms into Bilayer Epitaxial Graphene on 4H-SiC(0001). ACS Nano, 2014, 8, 970-976.	7.3	23
282	Unraveling High-Yield Phase-Transition Dynamics in Transition Metal Dichalcogenides on Metallic Substrates. Advanced Science, 2019, 6, 1802093.	5.6	23
283	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. Journal of Physical Chemistry Letters, 2020, 11, 8976-8982.	2.1	23
284	Argon incorporation and surface compositional changes in InP(100) due to low-energy Ar ⁺ ion bombardment. Journal of Applied Physics, 1996, 80, 6655-6660.	1.1	22
285	On STM imaging of GaAs(001)-(n ⁻⁶) surface reconstructions: Does the (6 ⁻⁶) structure exist?. Surface Science, 2002, 513, 249-255.	0.8	22
286	Synthesis and Structural Characterization of a New Alkaline Earth Imide: MgCa(NH) ₂ . European Journal of Inorganic Chemistry, 2006, 2006, 4368-4373.	1.0	22
287	Room temperature ferromagnetism of ZnO nanocrystals in amorphous ZnO-Al ₂ O ₃ matrix. Applied Physics Letters, 2009, 95, .	1.5	22
288	Role of oxygen incorporation in electronic properties of rubrene films. Applied Physics Letters, 2010, 97, 032106.	1.5	22

#	ARTICLE	IF	CITATIONS
289	Epitaxial growth and characterization of graphene on free-standing polycrystalline 3C-SiC. Journal of Applied Physics, 2011, 110, 014308.	1.1	22
290	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. ACS Nano, 2016, 10, 10615-10617.	7.3	22
291	Atomic-Level Electronic Properties of Carbon Nitride Monolayers. ACS Nano, 2020, 14, 14008-14016.	7.3	22
292	Ion-induced nitridation of GaAs(1 0 0) surface. Applied Surface Science, 2001, 174, 275-282.	3.1	21
293	Study of copper silicide retardation effects on copper diffusion in silicon. Journal of Applied Physics, 2001, 90, 3822-3824.	1.1	21
294	Surface roughening effect in sub-keV SIMS depth profiling. Applied Surface Science, 2003, 203-204, 256-259.	3.1	21
295	Atomic Scale Oxidation of Silicon Nanoclusters on Silicon Carbide Surfaces. Journal of Physical Chemistry B, 2003, 107, 11597-11603.	1.2	21
296	Ultrafast Electron Transfer from Oligo(p-phenylene-ethynylene)thiol to Gold. Journal of Physical Chemistry B, 2006, 110, 674-676.	1.2	21
297	Thermal stability of nitrogen-doped SrTiO ₃ films: Electronic and optical properties studies. Journal of Applied Physics, 2007, 101, 063708.	1.1	21
298	Large area, rapid growth of two-dimensional ZnO nanosheets and their field emission performances. Applied Physics A: Materials Science and Processing, 2008, 90, 623-627.	1.1	21
299	zigzag C ₆₀ chain arrays. Applied Physics Letters, 2008, 92, 023105.	1.5	21
300	Chemically Linked AuNP-Alkane Network for Enhanced Photoemission and Field Emission. ACS Nano, 2009, 3, 2722-2730.	7.3	21
301	Copper Phthalocyanine on Hydrogenated and Bare Diamond (001)-2 Å ⁻¹ : Influence of Interfacial Interactions on Molecular Orientations. Langmuir, 2010, 26, 165-172.	1.6	21
302	Room Temperature Magnetic Graphene Oxide-Iron Oxide Nanocomposite Based Magnetoresistive Random Access Memory Devices via Spin-Dependent Trapping of Electrons. Small, 2014, 10, 1945-1952.	5.2	21
303	Self-assembled two-dimensional nanoporous molecular arrays and photoinduced polymerization of 4-bromo-4'-hydroxybiphenyl on Ag(111). Journal of Chemical Physics, 2015, 142, 101902.	1.2	21
304	Gaussian Thermionic Emission Model for Analysis of S Schottky-Barrier Devices. Physical Review Applied, 2020, 14, .	1.5	21
305	Impurity-Induced Emission in Re-Doped WS ₂ Monolayers. Nano Letters, 2021, 21, 5293-5300.	4.5	21
306	Surface chemical states on 3C-SiC/Si epilayers. Applied Surface Science, 1994, 81, 377-385.	3.1	20

#	ARTICLE	IF	CITATIONS
307	Status of and materials research at SSSL. Nuclear Instruments & Methods in Physics Research B, 2005, 238, 83-86.	0.6	20
308	Terrace width dependence of cobalt silicide nucleation on Si(111)-(7 \times 7). Applied Physics Letters, 2006, 88, 023121.	1.5	20
309	Tuning of C60 energy levels using orientation-controlled phthalocyanine films. Journal of Applied Physics, 2010, 108, 053706.	1.1	20
310	Self-assembly of binary molecular nanostructure arrays on graphite. Physical Chemistry Chemical Physics, 2013, 15, 12414.	1.3	20
311	Excitonic vacancies and anomalous spectral-weight transfer in TiO_2 . TaO_x O_x	1.1	20
312	Irreversible Denaturation of Proteins through Aluminum-Induced Formation of Backbone Ring Structures. Angewandte Chemie - International Edition, 2014, 53, 6358-6363.	7.2	20
313	Scanning Tunneling Microscope and Photoemission Spectroscopy Investigations of Bismuth on Epitaxial Graphene on SiC(0001). Journal of Physical Chemistry C, 2014, 118, 24995-24999.	1.5	20
314	Type-II Interface Band Alignment in the vdW $PbI_2/MoSe_2$ Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 32099-32105.	4.0	20
315	Unconventional excitonic states with phonon sidebands in layered silicon diphosphide. Nature Materials, 2022, 21, 773-778.	13.3	20
316	Surface and optical analyses of porous silicon membranes. Journal Physics D: Applied Physics, 1994, 27, 1968-1975.	1.3	19
317	The structural and electronic properties of $(AlN)_x(C_2N_3)_{1-x}$ and $(AlN)_x(BN)_{1-x}$ alloys. Journal of Physics Condensed Matter, 2001, 13, 5295-5311.	0.7	19
318	Possible complete miscibility of $(BN)_x(C_2N_3)_{1-x}$ alloys. Physical Review B, 2002, 66, .	1.1	19
319	The formation of Ge nanocrystals in a metal-insulator-semiconductor structure and its memory effect. Journal of Crystal Growth, 2004, 262, 95-104.	0.7	19
320	Disorder beneath epitaxial graphene on SiC(0001): An x-ray absorption study. Physical Review B, 2008, 78, .	1.1	19
321	Study of electromagnetic enhancement for surface enhanced Raman spectroscopy of SiC graphene. Applied Physics Letters, 2012, 100, 191601.	1.5	19
322	Anomalous photoresponse in the deep-ultraviolet due to resonant excitonic effects in oxygen plasma treated few-layer graphene. Carbon, 2016, 106, 330-335.	5.4	19
323	Molecular Alignment and Electronic Structure of N,N' -Dibutyl-3,4,9,10-perylene-tetracarboxylic-diimide Molecules on MoS_2 Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 5566-5573.	4.0	19
324	A Barium Titanate Oxide Insulator Optoelectronics Platform. Advanced Materials, 2021, 33, e2101128.	11.1	19

#	ARTICLE	IF	CITATIONS
325	Surface and interface studies of titanium silicide formation. <i>Thin Solid Films</i> , 1996, 283, 130-134.	0.8	18
326	Indium-doped zinc oxide films prepared by simultaneous r.f. and d.c. magnetron sputtering. <i>Surface and Interface Analysis</i> , 1999, 28, 271-274.	0.8	18
327	Elimination of O ₂ plasma damage of low-k methyl silsesquioxane film by As implantation. <i>Thin Solid Films</i> , 2001, 397, 90-94.	0.8	18
328	Laser-induced amorphization of silicon during pulsed-laser irradiation of TiN/Ti/polycrystalline silicon/SiO ₂ /silicon. <i>Applied Physics Letters</i> , 2002, 81, 3786-3788.	1.5	18
329	Multilayer relaxation of Cu(210) studied by layer-doubling LEED analysis and pseudopotential density functional theory calculations. <i>Physical Review B</i> , 2003, 68, .	1.1	18
330	Effect of germanium concentration and tunnel oxide thickness on nanocrystal formation and charge storage/retention characteristics of a trilayer memory structure. <i>Applied Physics Letters</i> , 2003, 83, 3558-3560.	1.5	18
331	Multilayer relaxations of (311), (331) and (210) fcc transition metal surfaces studied by pseudopotential DFT calculations. <i>Surface Science</i> , 2004, 548, 309-316.	0.8	18
332	Local Structures of Zn _{1-x} TM _x O (TM = Co, Mn, and Cu) Nanoparticles Studied by X-ray Absorption Fine Structure Spectroscopy and Multiple Scattering Calculations. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13410-13418.	1.5	18
333	Phonon confinement in Ge nanocrystals in silicon oxide matrix. <i>Journal of Applied Physics</i> , 2011, 109, 033107.	1.1	18
334	Tunable two-dimensional molecular dipole dot arrays on graphite. <i>Applied Physics Letters</i> , 2011, 99, 143114.	1.5	18
335	Photoresponse in epitaxial graphene with asymmetric metal contacts. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	18
336	Polarization effects on energy-level alignment at the interfaces of polymer organic semiconductor films. <i>Applied Physics Letters</i> , 2012, 101, 053304.	1.5	18
337	An Update from Flatland. <i>ACS Nano</i> , 2016, 10, 8121-8123.	7.3	18
338	XPS and SIMS studies of MBE-grown CdTe/InSb(001) heterostructures. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 4359-4369.	0.7	17
339	Liquid-phase epitaxial growth of amorphous silicon during laser annealing of ultrashallow p+/n junctions. <i>Applied Physics Letters</i> , 2000, 77, 2994-2996.	1.5	17
340	The alloying effect of Ni on the corrosion behavior of melt-spun Mg-Ni ribbons. <i>Electrochimica Acta</i> , 2001, 46, 2649-2657.	2.6	17
341	Effects of oxygen flooding on crater bottom composition and roughness in ultrashallow secondary ion mass spectrometry depth profiling. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2001, 19, 829.	1.6	17
342	Rule for Structures of Open Metal Surfaces. <i>Physical Review Letters</i> , 2004, 93, 136102.	2.9	17

#	ARTICLE	IF	CITATIONS
343	Comparative investigation of TaN and SiCN barrier layer for Cu/ultra low k integration. Thin Solid Films, 2006, 504, 265-268.	0.8	17
344	Synthesis and magnetic properties of MnSb nanoparticles on Si-based substrates. Applied Physics Letters, 2007, 90, 202503.	1.5	17
345	Tuning the Electron Affinity and Secondary Electron Emission of Diamond (100) Surfaces by Diels-Alder Reaction. Langmuir, 2007, 23, 9722-9727.	1.6	17
346	Epitaxial growth of diindenoperylene ultrathin films on Ag(111) investigated by LT-STM and LEED. Physical Chemistry Chemical Physics, 2011, 13, 20933.	1.3	17
347	Trapping Single Polar Molecules in SiC Nanomesh <i>via</i> Out-of-Plane Dipoles. ACS Nano, 2012, 6, 2774-2778.	7.3	17
348	Epitaxial growth of graphene on silicon carbide (SiC). , 2014, , 3-26.		17
349	Monolayer Conveyor for Stably Trapping and Transporting Sub-10nm Particles. Laser and Photonics Reviews, 2020, 14, 2000030.	4.4	17
350	Electronic Tuning in WSe ₂ /Au via van der Waals Interface Twisting and Intercalation. ACS Nano, 2022, 16, 6541-6551.	7.3	17
351	Miscibility and Interactions in Poly(N-acryloylthiomorpholine)/Poly(p-vinylphenol) Blends. Macromolecules, 2001, 34, 4662-4665.	2.2	16
352	Formation of ultra-shallow p+n junctions in silicon-on-insulator (SOI) substrate using laser annealing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 114-115, 25-28.	1.7	16
353	A Surface Chemistry Route to Molybdenum Sulfide and Germanide Films Using the Single-Source Precursor Tetrakis(diethylaminodithiocarbamate)molybdate(IV). Journal of Physical Chemistry B, 2004, 108, 17537-17545.	1.2	16
354	GaAs-based heterojunction p-i-n photodetectors using pentanary InGaAsNSb as the intrinsic layer. IEEE Photonics Technology Letters, 2005, 17, 1932-1934.	1.3	16
355	Thickness dependence of X-ray absorption and photoemission in Fe thin films on Si(100). Journal of Electron Spectroscopy and Related Phenomena, 2006, 151, 199-203.	0.8	16
356	Molecular Orientation and Ordering during Initial Growth of Copper Phthalocyanine on Si(111). Journal of Physical Chemistry C, 2007, 111, 3454-3458.	1.5	16
357	Chemical Bonding of Fullerene and Fluorinated Fullerene on Bare and Hydrogenated Diamond. ChemPhysChem, 2008, 9, 1286-1293.	1.0	16
358	Correlation of structural and magnetic properties of ferromagnetic Mn-implanted Si _{1-x} Gex films. Journal of Applied Physics, 2008, 103, 053912.	1.1	16
359	Origin of Magnetism in Hydrothermally Aged 2-Line Ferrihydrite Suspensions. Environmental Science & Technology, 2017, 51, 2643-2651.	4.6	16
360	Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. ACS Nano, 2019, 13, 10853-10855.	7.3	16

#	ARTICLE	IF	CITATIONS
361	Surface molecular doping of all-inorganic perovskite using zethrenes molecules. Nano Research, 2019, 12, 77-84.	5.8	16
362	Promoting a Weak Coupling of Monolayer MoSe ₂ Grown on (100)-Faceted Au Foil. ACS Nano, 2021, 15, 4481-4489.	7.3	16
363	Precise Layer-Dependent Electronic Structure of MBE-Grown PtSe ₂ . Advanced Electronic Materials, 2021, 7, 2100559.	2.6	16
364	Epitaxial Growth of Ultraflat Bismuthene with Large Topological Band Inversion Enabled by Substrate-Orbital-Filtering Effect. ACS Nano, 2022, 16, 1436-1443.	7.3	16
365	Pentagonal 2D Transition Metal Dichalcogenides: PdSe ₂ and Beyond. Advanced Functional Materials, 2022, 32, .	7.8	16
366	A comparative study of the initial oxygen and water reactions on germanium and silicon using sims. Corrosion Science, 1994, 36, 9-22.	3.0	15
367	ARXPS analysis of surface compositional change in ion bombarded GaAs (100). Journal Physics D: Applied Physics, 1997, 30, 2514-2519.	1.3	15
368	A microstructural study on the surface and interface of CdTe/CdS solar cells. Journal of Materials Science: Materials in Electronics, 1997, 8, 125-132.	1.1	15
369	Formation of Ti/Al ohmic contacts on Si-doped GaN epilayers by low temperature annealing. Semiconductor Science and Technology, 2000, 15, 585-588.	1.0	15
370	Miscibility and Interactions in Poly(methylthiomethyl methacrylate)/Poly(p-vinylphenol) Blends. Macromolecules, 2001, 34, 7411-7415.	2.2	15
371	SIMS quantification of Si _{1-x} Gex alloys using polyatomic secondary ions. Surface and Interface Analysis, 2001, 32, 171-174.	0.8	15
372	Ultra shallow secondary ion mass spectrometry depth profiling: Limitation of sample rotation in improving depth resolution. Nuclear Instruments & Methods in Physics Research B, 2001, 179, 557-560.	0.6	15
373	Self-assembly of Si nanoclusters on 6H-SiC(0001)-(3 \times 3) reconstructed surface. Applied Physics Letters, 2002, 80, 3406-3408.	1.5	15
374	STM observation of Ga -dimers on a GaAs(001)-(8 \times 2)-Ga surface. Physical Review B, 2004, 70, .	1.1	15
375	Cycloadditions on Diamond (100) 2 \times 1: Observation of Lowered Electron Affinity due to Hydrocarbon Adsorption. Journal of Physical Chemistry B, 2006, 110, 5611-5620.	1.2	15
376	A New Scenario in Probe Local Oxidation: Transient Pressure-Wave-Assisted Ionic Spreading and Oxide Pattern Formation. Advanced Materials, 2007, 19, 2618-2623.	11.1	15
377	Formation and stabilization of Fe-induced magic clusters on Si(111)-(7 \times 7) template. Surface Science, 2007, 601, 2486-2490.	0.8	15
378	UV-visible-near infrared photoabsorption and photodetection using close-packed metallic gold nanoparticle network. Journal of Applied Physics, 2010, 107, 053510.	1.1	15

#	ARTICLE	IF	CITATIONS
379	Control of Two-Dimensional Ordering of F16CuPc on Bi/Ag(111): Effect of Interfacial Interactions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11234-11241.	1.5	15
380	Graphene Nanomesh Formation by Fluorine Intercalation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 29193-29200.	1.5	15
381	Synthesis of Two-Dimensional Perovskite by Inverse Temperature Crystallization and Studies of Exciton States by Two-Photon Excitation Spectroscopy. <i>Advanced Functional Materials</i> , 2020, 30, 2002661.	7.8	15
382	Catalyst-Free Growth of Two-Dimensional BC _x N Materials on Dielectrics by Temperature-Dependent Plasma-Enhanced Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33113-33120.	4.0	15
383	XPS/FTIR study of the interaction between nitric oxide and yttrium barium copper oxide (YBa ₂ Cu ₃ O ₇). <i>Inorganic Chemistry</i> , 1993, 32, 5522-5527.	1.9	14
384	AES analysis of nitridation of Si(100) by 2×10 keV N ₂ ion beams. <i>Applied Surface Science</i> , 1997, 115, 166-173.	3.1	14
385	Superstructure formation and faceting in the Cu(210)-O system studied by scanning tunneling microscopy. <i>Physical Review B</i> , 1998, 58, R7548-R7551.	1.1	14
386	Photoelectron emission and Raman scattering studies of nitrogenated tetrahedral amorphous carbon films. <i>Journal of Applied Physics</i> , 2002, 92, 5966-5970.	1.1	14
387	Conformational degree and molecular orientation in rubrene film by in situ x-ray absorption spectroscopy. <i>Journal of Applied Physics</i> , 2007, 102, 063504.	1.1	14
388	Nanoscale phase separation of a binary molecular system of copper phthalocyanine and di-indenoperylene on Ag(111). <i>Applied Physics Letters</i> , 2009, 95, .	1.5	14
389	Template-Directed Molecular Assembly on Silicon Carbide Nanomesh: Comparison Between CuPc and Pentacene. <i>ACS Nano</i> , 2010, 4, 849-854.	7.3	14
390	A synchrotron-based photoemission study of the MoO ₃ /Co interface. <i>Journal of Chemical Physics</i> , 2011, 134, 034706.	1.2	14
391	Bonding and diffusion of nitrogen in the InSb alloys fabricated by two-step ion implantation. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	14
392	Observation of Frenkel and charge transfer excitons in pentacene single crystals using spectroscopic generalized ellipsometry. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	14
393	Surface decomposition mechanism of the novel precursor bistrimethylamine aluminium hydride on GaAs (100). <i>Vacuum</i> , 1990, 41, 968-971.	1.6	13
394	An alternative method for determining the transmission function of secondary ion mass spectrometers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 103, 482-488.	0.6	13
395	Structural, optical, and surface science studies of 4H-SiC epilayers grown by low pressure chemical vapor deposition. <i>Journal of Electronic Materials</i> , 1996, 25, 917-923.	1.0	13
396	STRUCTURAL AND ELECTRONIC PROPERTIES OF AL NANOWIRES: AN AB INITIO PSEUDOPOTENTIAL STUDY. <i>International Journal of Nanoscience</i> , 2002, 01, 159-169.	0.4	13

#	ARTICLE	IF	CITATIONS
397	Investigation of boron penetration through decoupled plasma nitrided gate oxide using backside secondary ion mass spectrometry depth profiling. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003, 21, 193.	1.6	13
398	Characterization of delta-doped B/Si multilayers by low-energy secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2004, 36, 172-176.	0.8	13
399	Tailoring the Electron Affinity and Electron Emission of Diamond (100) $2 \text{ \AA} - 1$ by Surface Functionalization Using an Organic Semiconductor. <i>Chemistry of Materials</i> , 2008, 20, 6871-6879.	3.2	13
400	Negative differential resistance based on electron injection/extraction in conducting organic films. <i>Applied Physics Letters</i> , 2009, 95, 063301.	1.5	13
401	Synchrotron PES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 172, 54-63.	0.8	13
402	Electron field emission from magnetic nanomaterial encapsulated multi-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 195-202.	1.1	13
403	STM studies of epitaxial graphene. <i>MRS Bulletin</i> , 2012, 37, 1195-1202.	1.7	13
404	Tuning the interfacial hole injection barrier between p-type organic materials and Co using a MoO ₃ buffer layer. <i>Journal of Applied Physics</i> , 2012, 112, 033704.	1.1	13
405	Optical and electronic structure of quasi-freestanding multilayer graphene on the carbon face of SiC. <i>Europhysics Letters</i> , 2014, 108, 37009.	0.7	13
406	Surface Nanostructure Formation and Atomic-Scale Templates for Nanodevices. <i>ACS Omega</i> , 2018, 3, 3285-3293.	1.6	13
407	Electronic Modulation in Site-Selective Occupation of Quasi-2D Triangular-Lattice Cs ₂ CuCl ₄ Br Perovskite Probed by Surface-Sensitive Characterization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4114-4122.	4.0	13
408	Vertical graphene nano-antennas for solar-to-hydrogen energy conversion. <i>Solar Energy</i> , 2020, 208, 379-387.	2.9	13
409	The metallic nature of two-dimensional transition-metal dichalcogenides and MXenes. <i>Surface Science Reports</i> , 2021, 76, 100542.	3.8	13
410	Coexistence of Photoelectric Conversion and Storage in van der Waals Heterojunctions. <i>Physical Review Letters</i> , 2021, 127, 217401.	2.9	13
411	On the nature of carbon nitride nanocrystals formed by plasma enhanced chemical vapor deposition and rapid thermal annealing. <i>Chemical Physics Letters</i> , 1999, 306, 53-56.	1.2	12
412	Structural characterization of rapid thermal oxidized Si _{1-x} Ge _x alloy films grown by rapid thermal chemical vapor deposition. <i>Journal of Applied Physics</i> , 2000, 87, 192-197.	1.1	12
413	Effect of a thin ionized-metal-plasma deposited Cu layer on the properties and thermal stability of Cu-TaN-SiO ₂ /Si structures. <i>IEEE Transactions on Device and Materials Reliability</i> , 2001, 1, 174-178.	1.5	12
414	SIMS backside depth profiling of ultrashallow implants using silicon-on-insulator substrates. <i>Surface and Interface Analysis</i> , 2002, 33, 373-375.	0.8	12

#	ARTICLE	IF	CITATIONS
415	Magnetic properties of ultrathin Co films on Si (111). Solid State Communications, 2003, 126, 659-664.	0.9	12
416	Roughening behavior in Si/SiGe heterostructures under O ₂ ⁺ bombardment. Nuclear Instruments & Methods in Physics Research B, 2004, 215, 76-82.	0.6	12
417	Sub-keV secondary ion mass spectrometry depth profiling: comparison of sample rotation and oxygen flooding. Applied Surface Science, 2004, 231-232, 653-657.	3.1	12
418	Spatially resolved diagnosis of stress-induced breakdown in oxide dots by in situ conducting atomic force microscopy. Applied Physics Letters, 2005, 86, 023112.	1.5	12
419	Dopant activation in subamorphized silicon upon laser annealing. Applied Physics Letters, 2006, 89, 082101.	1.5	12
420	<i>In situ</i> photoemission spectroscopy study on formation of HfO ₂ dielectrics on epitaxial graphene on SiC substrate. Applied Physics Letters, 2010, 96, 072111.	1.5	12
421	Band Gap Tunable N-Type Molecules for Organic Field Effect Transistors. Journal of Physical Chemistry C, 2013, 117, 11530-11539.	1.5	12
422	Molecular orientation and electronic structure at organic heterojunction interfaces. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 12-22.	0.8	12
423	Investigating the dynamics of excitons in monolayer WSe ₂ before and after organic super acid treatment. Nanoscale, 2018, 10, 9346-9352.	2.8	12
424	Spontaneous phase segregation of Sr ₂ NiO ₃ and SrNi ₂ O ₃ during SrNiO ₃ heteroepitaxy. Science Advances, 2021, 7, .	4.7	12
425	Strain-Mediated Spin-Orbit Torque Enhancement in Pt/Co on Flexible Substrate. ACS Nano, 2021, 15, 8319-8327.	7.3	12
426	Ligand size effects in two-dimensional hybrid copper halide perovskites crystals. Communications Materials, 2021, 2, .	2.9	12
427	Auger electron spectroscopy and x-ray photoelectron spectroscopy analysis of angle of incidence effects of ion beam nitridation of GaAs. Journal of Materials Research, 1998, 13, 1799-1807.	1.2	11
428	DETERMINATION OF MULTILAYER RELAXATIONS OF THE Cu(210) STEPPED SURFACE BY CALCULATION OF LEED INTENSITIES. Surface Review and Letters, 1999, 06, 819-824.	0.5	11
429	Enhancement or reduction of catalytic dissolution reaction in chemically amplified resists by substrate contaminants. IEEE Transactions on Semiconductor Manufacturing, 1999, 12, 462-469.	1.4	11
430	Luminescence and X-ray diffraction studies of Ge nanocrystals in amorphous silicon oxide. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 161-164.	2.6	11
431	Laser thermal processing of amorphous silicon gates to reduce poly-depletion in CMOS devices. IEEE Transactions on Electron Devices, 2004, 51, 669-676.	1.6	11
432	Surfactant and impurity properties of antimony on GaAs and GaAs _{1-x} Nx on GaAs [100] by solid source molecular beam epitaxy. Thin Solid Films, 2005, 488, 56-61.	0.8	11

#	ARTICLE	IF	CITATIONS
433	Structure of Co deposited 6H-SiC(0001). Surface Science, 2005, 595, 107-114.	0.8	11
434	Self-organized nanodot formation on InP(100) by oxygen ion sputtering. Nuclear Instruments & Methods in Physics Research B, 2006, 248, 83-89.	0.6	11
435	Theoretical investigation of the electronic structures and carrier transport of hybrid graphene and boron nitride nanostructure. AIP Advances, 2012, 2, .	0.6	11
436	Graphene: The Game Changer?. ACS Nano, 2012, 6, 5739-5741.	7.3	11
437	Tunable room-temperature ferromagnet using an iron-oxide and graphene oxide nanocomposite. Scientific Reports, 2015, 5, 11430.	1.6	11
438	Correlated plasmons in the topological insulator Bi ₂ Se ₃ induced by long-range electron correlations. NPG Asia Materials, 2020, 12, .	3.8	11
439	On-Surface Synthesis of Variable Bandgap Nanoporous Graphene. Small, 2021, 17, e2102246.	5.2	11
440	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. Physical Review Letters, 2022, 128, 017202.	2.9	11
441	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe ₂ . ACS Nano, 2022, 16, 783-791.	7.3	11
442	AES analysis of silicon nitride formation by 10 keV N ⁺ and N ₂ ⁺ ion implantation. Vacuum, 1996, 47, 1495-1499.	1.6	10
443	Investigation of tungsten incorporated amorphous carbon film. Thin Solid Films, 1999, 355-356, 174-178.	0.8	10
444	Reactive atom synthesis and characterization of C ₃ N ₄ crystalline films. Surface and Interface Analysis, 1999, 28, 221-225.	0.8	10
445	RELAXATION OF Cu(100), (110) AND (111) SURFACES USING AB INITIO PSEUDOPOTENTIALS. Surface Review and Letters, 2001, 08, 541-547.	0.5	10
446	Quasi one-dimensional ceramic nanostructures spontaneously formed by combustion synthesis. Physica Status Solidi (B): Basic Research, 2006, 243, 3297-3300.	0.7	10
447	Effect of cobalt doping concentration on the structural and magnetic properties of Fe ₃ O ₄ . Thin Solid Films, 2006, 505, 45-49.	0.8	10
448	Analysis and optimization of the annealing mechanisms in (In)GaAsN on GaAs. Semiconductor Science and Technology, 2006, 21, 808-812.	1.0	10
449	Polymeric conical structure formation by probe-induced electrohydrodynamical nanofluidic motion. Applied Physics Letters, 2006, 88, 023116.	1.5	10
450	Hot electron transport in Au-HfO ₂ -SiO ₂ -Si structures studied by ballistic electron emission spectroscopy. Applied Physics Letters, 2007, 90, 142915.	1.5	10

#	ARTICLE	IF	CITATIONS
451	Probing the interaction at the C60/SiC nanomesh interface. <i>Surface Science</i> , 2007, 601, 2994-3002.	0.8	10
452	Field emission from hybrid CuO and CuCO ₃ nanosystems. <i>Solid State Communications</i> , 2008, 145, 241-245.	0.9	10
453	Enhanced field emission of vertically aligned core-shelled carbon nanotubes with molybdenum oxide encapsulation. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	10
454	Aggregates-induced dynamic negative differential resistance in conducting organic films. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	10
455	Band-Bending at the Graphene/SiC Interfaces: Effect of the Substrate. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AH05.	0.8	10
456	Anomalous scaling behaviour of cobalt cluster size distributions on graphite, epitaxial graphene and carbon-rich (6-6)R30°. <i>Surface Science</i> , 2012, 606, 1586-1593.	0.8	10
457	Three-Dimensional Resonant Exciton in Monolayer Tungsten Diselenide Actuated by Spin-Orbit Coupling. <i>ACS Nano</i> , 2019, 13, 14529-14539.	7.3	10
458	Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors. <i>Advanced Materials</i> , 2020, 32, 2000153.	11.1	10
459	Electronic and Optical Modulation of Metal-Doped Hybrid Organic-Inorganic Perovskites Crystals by Post-Treatment Control. <i>ACS Applied Energy Materials</i> , 2020, 3, 7500-7511.	2.5	10
460	Strain-Controlled Spin Wave Excitation and Gilbert Damping in Flexible Co ₂ FeSi Films Activated by Femtosecond Laser Pulse. <i>Advanced Functional Materials</i> , 2021, 31, 2007211.	7.8	10
461	Many-particle induced band renormalization processes in few- and mono-layer MoS ₂ . <i>Nanotechnology</i> , 2021, 32, 135208.	1.3	10
462	Surface chemical states on LPCVD-grown 4H-SiC epilayers. <i>Applied Surface Science</i> , 1998, 126, 34-42.	3.1	9
463	Growth of carbon nitride thin films by radio-frequency plasma-enhanced chemical vapor deposition at low temperatures. <i>Journal of Materials Research</i> , 1999, 14, 1153-1159.	1.2	9
464	High resolution transmission electron microscopy study of the initial growth of diamond on silicon. <i>Diamond and Related Materials</i> , 2000, 9, 1703-1707.	1.8	9
465	EFFECT OF Y ADDITION ON THE CORROSION BEHAVIOR OF MELT-SPUN AMORPHOUS Mg-Cu RIBBONS. <i>Surface Review and Letters</i> , 2001, 08, 575-580.	0.5	9
466	Trends in bonding configuration at SiC/III-V semiconductor interfaces. <i>Applied Physics Letters</i> , 2001, 79, 1643-1645.	1.5	9
467	Low-energy electron diffraction study of oxygen-induced reconstructions on Cu(210). <i>Physical Review B</i> , 2002, 66, .	1.1	9
468	Phase separation in Zn-doped InGaN grown by metalorganic chemical vapor deposition. <i>Materials Science in Semiconductor Processing</i> , 2002, 5, 39-43.	1.9	9

#	ARTICLE	IF	CITATIONS
469	Infrared reflection investigation of ion-implanted and post-implantation-annealed epitaxially grown 6H-SiC. <i>Surface and Interface Analysis</i> , 2002, 33, 500-505.	0.8	9
470	Miscibility and surface properties of fluorinated copolymer blends involving hydrogen-bonding interactions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1145-1154.	2.4	9
471	Surface transient effects in ultralow-energy O ₂ ⁺ sputtering of silicon. <i>Surface and Interface Analysis</i> , 2005, 37, 628-632.	0.8	9
472	Field-induced meniscus dynamics and its impact on the nanoscale tip-surface interface. <i>Journal of Applied Physics</i> , 2007, 102, 084313.	1.1	9
473	Shielding copper atoms by distortion of phthalocyanine ring on Si(111). <i>Surface Science</i> , 2007, 601, 4212-4216.	0.8	9
474	Selective Adsorption of Tartaric Acid on Gemini-Type Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3049-3053.	1.5	9
475	Temperature-dependent transition from injection-limited to space-charge-limited current in metal-organic diodes. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	9
476	Effects of CdCl ₂ treatment and annealing on CdS/SnO ₂ /glass heterostructures for solar cells. <i>Thin Solid Films</i> , 2010, 518, 7199-7203.	0.8	9
477	Delocalized π -State between Molecules through a Surface Confined Pseudodihydrogen Bond. <i>Physical Review Letters</i> , 2010, 105, 226103.	2.9	9
478	X-Ray Standing Waves and Surfaces X-Ray Scattering Studies of Molecule-Metal Interfaces. , 2013, , 153-172.		9
479	Modification of PTCDA/Co Interfacial Electronic Structures Using Alq ₃ Buffer Layer. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25636-25642.	1.5	9
480	Anomalous Spectral Features of a Neutral Bilayer Graphene. <i>Scientific Reports</i> , 2015, 5, 10025.	1.6	9
481	Optimized growth of graphene on SiC: from the dynamic flip mechanism. <i>Nanoscale</i> , 2015, 7, 4522-4528.	2.8	9
482	Orbital dependent ultrafast charge transfer dynamics of ferrocenyl-functionalized SAMs on gold studied by core-hole clock spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 094006.	0.7	9
483	Importance of Electronic Correlations and Unusual Excitonic Effects in Formamidinium Lead Halide Perovskites. <i>Physical Review X</i> , 2018, 8, .	2.8	9
484	Quantum Correlated Plasmons and Their Tunability in Undoped and Doped Mott-Insulator Cuprates. <i>ACS Photonics</i> , 2019, 6, 3281-3289.	3.2	9
485	Bi-stable electronic states of cobalt phthalocyanine molecules on two-dimensional vanadium diselenide. <i>Applied Materials Today</i> , 2020, 18, 100535.	2.3	9
486	1D chain structure in 1Tâ€²-phase 2D transition metal dichalcogenides and their anisotropic electronic structures. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	9

#	ARTICLE	IF	CITATIONS
487	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting PdSe ₂ . ACS Applied Materials & Interfaces, 2021, 13, 37527-37534.	4.0	9
488	Unravelling strong electronic interlayer and intralayer correlations in a transition metal dichalcogenide. Nature Communications, 2021, 12, 6980.	5.8	9
489	Supramolecular Tiling of a Conformationally Flexible Precursor. Journal of Physical Chemistry Letters, 2022, 13, 2180-2186.	2.1	9
490	The thermal decomposition of triethylgallium on GaAs(100). Vacuum, 1990, 41, 955-957.	1.6	8
491	Static SIMS of polyacetylene: the effect of chain unsaturation. Synthetic Metals, 1991, 45, 227-234.	2.1	8
492	Surface and interface analysis of semiconductor materials. Applied Surface Science, 1996, 99, 59-66.	3.1	8
493	Substrate influence on the formation of FeSi and FeSi ₂ films from cis-Fe(SiCl ₃) ₂ (CO) ₄ by LPCVD. Thin Solid Films, 1998, 325, 87-91.	0.8	8
494	The role of nitrogen in the deposition of polycrystalline diamond films. Diamond and Related Materials, 1999, 8, 215-219.	1.8	8
495	Selective area growth of aligned carbon nanotubes by ion beam surface modification. Chemical Physics Letters, 2003, 371, 131-135.	1.2	8
496	SIMS backside depth profiling of ultra shallow implants. Applied Surface Science, 2003, 203-204, 335-338.	3.1	8
497	In situ XPS and SIMS analysis of O ₂ ⁺ beam-induced silicon oxidation. Surface and Interface Analysis, 2004, 36, 640-644.	0.8	8
498	6H-SiC(0001) phase transition: evolution of the (6 $\sqrt{3}$ -6) magic clusters. Surface Science, 2004, 558, 145-158.	0.8	8
499	Magnetic circular dichroism study of Fe ²⁺ •Co ²⁺ •Cu(001) using electron yield x-ray absorption spectroscopy with different probe depths. Journal of Applied Physics, 2005, 97, 103527.	1.1	8
500	Sharp n-type doping profiles in Si/SiGe heterostructures produced by atomic hydrogen etching. Surface Science, 2006, 600, 2288-2292.	0.8	8
501	BEEM studies on metal highK-dielectric HfO ₂ interfaces. Journal of Physics: Conference Series, 2007, 61, 1347-1351.	0.3	8
502	Microdroplet and Atomic Force Microscopy Probe Assisted Formation of Acidic Thin Layers for Silicon Nanostructuring. Advanced Functional Materials, 2007, 17, 919-926.	7.8	8
503	Ultralow-energy SIMS for shallow semiconductor depth profiling. Applied Surface Science, 2008, 255, 1307-1310.	3.1	8
504	One-Dimensional Molecular Chains with Dispersive Electronic States. Nano Letters, 2009, 9, 4292-4296.	4.5	8

#	ARTICLE	IF	CITATIONS
505	Well-aligned Nickel Nanochains Synthesized by a Template-free Route. <i>Nanoscale Research Letters</i> , 2010, 5, 597-602.	3.1	8
506	Molecular interactions on epitaxial graphene. <i>Physica Scripta</i> , 2012, T146, 014007.	1.2	8
507	Adsorption on epitaxial graphene on SiC(0001). <i>Journal of Materials Research</i> , 2014, 29, 447-458.	1.2	8
508	Si(100)-2 Å ⁻¹ 1-H dimer rows contrast inversion in low-temperature scanning tunneling microscope images. <i>Surface Science</i> , 2015, 632, L13-L17.	0.8	8
509	A scripting LabVIEW based program for experiment automation in synchrotron radiation applications. <i>Review of Scientific Instruments</i> , 2019, 90, .	0.6	8
510	Graphene Field-Effect Transistors on Hexagonal Boron Nitride for Enhanced Interfacial Thermal Dissipation. <i>Advanced Electronic Materials</i> , 2020, 6, 2000059.	2.6	8
511	Integrating spin-based technologies with atomically controlled van der Waals interfaces. <i>Materials Today</i> , 2021, 51, 350-364.	8.3	8
512	XPS study of incident angle effects on the ion beam modification of InP surfaces by 6 keV O ₂ ⁺ . <i>Surface and Interface Analysis</i> , 1999, 27, 993-997.	0.8	7
513	Multilayer relaxation of the Al(100) and Al(110) surfaces: an ab initio pseudopotential study. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 501-506.	0.8	7
514	Rapid thermal oxidation of radio frequency sputtered polycrystalline silicon germanium films. <i>Journal of Applied Physics</i> , 2002, 91, 2443-2448.	1.1	7
515	Reduction of carrier depletion in p ⁺ /polysilicon gates using laser thermal processing. <i>IEEE Electron Device Letters</i> , 2003, 24, 360-362.	2.2	7
516	Investigation of N incorporation in InGaAs and GaAs epilayers on GaAs using solid source molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2005, 275, 440-447.	0.7	7
517	High resolution electron energy loss and X-ray near edge absorption spectroscopic studies of diamond film functionalised with allyl alcohol. <i>Diamond and Related Materials</i> , 2006, 15, 711-715.	1.8	7
518	Resonant photoemission study of single-strand deoxyribonucleic acid. <i>Applied Physics Letters</i> , 2006, 89, 013902.	1.5	7
519	Depth resolution studies in SiGe delta-doped multilayers using ultralow-energy Cs ⁺ secondary ion mass spectrometry. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 277.	1.3	7
520	Quantitative analysis of Si mass transport during formation of Cu ⁺ •Si(111) ⁻ (5Å ⁻¹) from scanning tunneling microscopy. <i>Physical Review B</i> , 2007, 75, .	1.1	7
521	Adsorption and thermal decomposition of C ₆₀ on Co/Si(111)-7Å ⁻¹ . <i>Applied Surface Science</i> , 2007, 253, 4554-4559.	3.1	7
522	Formation of bismuth nanodot in (4Å ⁻¹) vanadium oxide nanomesh on Pd(111). <i>Surface Science</i> , 2008, 602, 2025-2028.	0.8	7

#	ARTICLE	IF	CITATIONS
523	Understanding of Carbon/Fluorine Co-implant Effect on Boron-Doped Junction Formed during Soak Annealing. Journal of the Electrochemical Society, 2008, 155, H69.	1.3	7
524	Si clusters on reconstructed SiC (0001) revealed by surface extended x-ray absorption fine structure. Applied Physics Letters, 2009, 95, 144102.	1.5	7
525	A Nanosegregant Approach to Superwetable and Water-Attracting Surfaces. Macromolecular Chemistry and Physics, 2010, 211, 2187-2192.	1.1	7
526	Tuning the electron injection barrier between Co and C60 using Alq3 buffer layer. Journal of Applied Physics, 2010, 108, .	1.1	7
527	Structural Analysis of Pentacene Thin Film Growth on Polycrystalline Ox [~] Au Surfaces Using Scanning Tunneling Microscopy. ACS Nano, 2010, 4, 2104-2108.	7.3	7
528	Symmetrical transition of an atomic arrangement for 2D Bi films on Rh(111). Surface Science, 2011, 605, 844-847.	0.8	7
529	Connecting Together Nanocenters around the World. ACS Nano, 2017, 11, 8531-8532.	7.3	7
530	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. Physical Review B, 2018, 97, .	1.1	7
531	Direct observation of anisotropic small-hole polarons in an orthorhombic structure of BiVO_4 films. Physical Review B, 2018, 97, .	1.1	7
532	Thermally Induced Chiral Aggregation of Dihydrobenzopyrenone on Au(111). ACS Applied Materials & Interfaces, 2020, 12, 35547-35554.	4.0	7
533	Photoluminescence upconversion of 2D materials and applications. Journal of Physics Condensed Matter, 2021, 33, 223001.	0.7	7
534	MBE-grown ultrathin PtTe_2 films and their layer-dependent electronic structures. Nanoscale, 2022, 14, 7650-7658.	2.8	7
535	Room-temperature ferromagnetism in two-dimensional transition metal chalcogenides: Strategies and origin. Journal of Alloys and Compounds, 2022, 913, 165289.	2.8	7
536	Real-Space Investigation of the Multiple Halogen Bonds by Ultrahigh-Resolution Scanning Probe Microscopy. Small, 2022, 18, .	5.2	7
537	The interaction between carbon monoxide and yttrium barium copper oxide, $\text{YBa}_2\text{Cu}_3\text{O}_x$, as studied by TG/DTA, FTIR, and XPS. Inorganic Chemistry, 1993, 32, 3093-3098.	1.9	6
538	Static SIMS of conjugated polymers: films of the substituted polyacetylenes. Synthetic Metals, 1993, 53, 193-203.	2.1	6
539	Gender differences in undergraduate physics examination performance and learning strategies in Singapore. Physics Education, 1993, 28, 158-163.	0.3	6
540	Several Efficiency Influencing Factors In CdTe/CdS Solar Cells. Materials Research Society Symposia Proceedings, 1997, 485, 197.	0.1	6

#	ARTICLE	IF	CITATIONS
541	Atomic force microscopy investigation of the O ₂ ⁺ -induced surface topography of InP. Surface and Interface Analysis, 1998, 26, 930-938.	0.8	6
542	X-ray Photoelectron Spectroscopy Evaluation on Surface Chemical States of GaN, InGaN and AlGaN Heteroepitaxial Thin Films Grown on Sapphire by MOCVD. Materials Research Society Symposia Proceedings, 2000, 618, 303.	0.1	6
543	Substrate temperature studies of SrBi ₂ (Ta _{1-x} Nbx) ₂ O ₉ grown by pulsed laser ablation deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 125-131.	0.9	6
544	Nanostructure formation by O ₂ ⁺ -ion sputtering of Si/SiGe heterostructures. Nanotechnology, 2003, 14, 1187-1191.	1.3	6
545	Surface properties of miscible poly(1,1,1,3,3,3-hexafluoroisopropyl methacrylate)/phenoxy blends. Journal of Applied Polymer Science, 2004, 91, 1798-1805.	1.3	6
546	Reduction of amplitude and wavelength of Friedel oscillation on Na(111) surface. Physical Review B, 2005, 72, .	1.1	6
547	Depth resolution studies in SiGe delta-doped multilayers using ultralow-energy O ₂ ⁺ secondary-ion-mass spectrometry. Journal of Vacuum Science & Technology B, 2006, 24, 547.	1.3	6
548	Chemical etching study of probe-grown ultrathin nano-oxides by atomic force microscopy. Journal of Applied Physics, 2006, 99, 044301.	1.1	6
549	Catalyst-Free Template-Synthesis of ZnO Nanopetals at 60 Å°C. Journal of Nanoscience and Nanotechnology, 2007, 7, 696-699.	0.9	6
550	Robust reproducible large-area molecular rectifier junctions. Applied Physics Letters, 2008, 92, .	1.5	6
551	A Year for Nanoscience. ACS Nano, 2014, 8, 11901-11903.	7.3	6
552	Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System. Advanced Science, 2019, 6, 1900446.	5.6	6
553	Mg ²⁺ Diffusion-Induced Structural and Property Evolution in Epitaxial Fe ₃ O ₄ Thin Films. ACS Nano, 2020, 14, 14887-14894.	7.3	6
554	Anisotropic Collective Charge Excitations in Quasimetallic 2D Transition-Metal Dichalcogenides. Advanced Science, 2020, 7, 1902726.	5.6	6
555	Ionization probability of ion emission from clean Si under bombardment. Journal of Physics Condensed Matter, 1997, 9, 9427-9433.	0.7	5
556	Spectral Correspondence to the Evolution of Chemical Bond and Valence Band in Oxidation. Modern Physics Letters B, 1997, 11, 1103-1113.	1.0	5
557	(2Å-1) OXYGEN SUPERSTRUCTURE ON Cu(210) SURFACE STUDIED BY QUANTITATIVE LEED ANALYSIS AND STM. Surface Review and Letters, 1999, 06, 859-863.	0.5	5
558	Tungsten-carbon thin films deposited using screen grid technique in an electron cyclotron resonance chemical vapour deposition system. Surface and Coatings Technology, 2000, 123, 134-139.	2.2	5

#	ARTICLE	IF	CITATIONS
559	Laser-induced titanium disilicide formation for submicron technologies. Journal of Electronic Materials, 2001, 30, 1549-1553.	1.0	5
560	Study of electronic properties and bonding configuration at the BN/SiC interface. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 483-488.	0.8	5
561	SIMS DEPTH PROFILING ANALYSIS OF Cu/Ta/SiO ₂ INTERFACIAL DIFFUSION AT DIFFERENT ANNEALING TEMPERATURE. International Journal of Modern Physics B, 2002, 16, 322-327.	1.0	5
562	STUDY OF COPPER DIFFUSION INTO TANTALUM AND TANTALUM DIFFUSION INTO COPPER. International Journal of Modern Physics B, 2002, 16, 100-107.	1.0	5
563	Evaluation of back-side secondary ion mass spectrometry for boron diffusion in silicon and silicon-on-insulator substrates. Journal of Applied Physics, 2004, 96, 3692-3695.	1.1	5
564	Chemical and dielectrical characteristics of ultrathin oxides grown by atomic force microscopy and scanning electron beam. Applied Physics Letters, 2005, 86, 192904.	1.5	5
565	Narrow surface transient and high depth resolution SIMS using 250eV O ₂ ⁺ . Applied Surface Science, 2006, 252, 7243-7246.	3.1	5
566	Enhanced probe nano-oxidation by charge pump effect in swept tip voltage cycles. Applied Physics Letters, 2007, 91, 243101.	1.5	5
567	Morphology, surface structures, and magnetic properties of MnSb thin films and nanocrystallites grown on graphite. Journal of Applied Physics, 2007, 102, 023906.	1.1	5
568	Secondary electron emission properties of III-nitride/ZnO coaxial heterostructures under ion and X-ray bombardment. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 55-58.	0.6	5
569	Surface transient effects in ultralow-energy Cs ⁺ sputtering of Si. Surface and Interface Analysis, 2007, 39, 397-404.	0.8	5
570	Cobalt coated electrodes for high efficiency PEM fuel cells by plasma sputtering deposition. Journal of Applied Electrochemistry, 2009, 39, 1821-1826.	1.5	5
571	New scenarios of charge transport in PEDT:PSS conducting polymer: From hole resonant tunneling to cationic motion and relaxation. Organic Electronics, 2010, 11, 1432-1438.	1.4	5
572	Growth of self-assembled Mn, Sb and MnSb nanostructures on highly oriented pyrolytic graphite. Thin Solid Films, 2012, 520, 6909-6915.	0.8	5
573	Size-tunable Au nanoparticles on MoS ₂ (0001). Nanotechnology, 2012, 23, 375603.	1.3	5
574	Room temperature positive magnetoresistance via charge trapping in polyaniline-iron oxide nanoparticle composites. Applied Physics Letters, 2013, 103, .	1.5	5
575	Be Critical but Fair. ACS Nano, 2013, 7, 8313-8316.	7.3	5
576	Effect of Oxygen Plasma on the Optical Properties of Monolayer Graphene. Advanced Materials Research, 0, 896, 510-513.	0.3	5

#	ARTICLE	IF	CITATIONS
577	Modulation of Manganite Nanofilm Properties Mediated by Strong Influence of Strontium Titanate Excitons. ACS Applied Materials & Interfaces, 2018, 10, 35563-35570.	4.0	5
578	2D Phosphorene: 2D Phosphorene: Epitaxial Growth and Interface Engineering for Electronic Devices (Adv. Mater. 47/2018). Advanced Materials, 2018, 30, 1870359.	11.1	5
579	Self-assembled 2D finned covellite (CuS) for resistive RAM. Applied Physics Letters, 2018, 113, 063102. Electronic correlation determining correlated plasmons in Sb-doped	1.5	5
580	Spin Correlated-Plasmons at Room Temperature Driven by Electronic Correlations in Lead-Free 2D Hybrid Organic-Inorganic Perovskites. Journal of Physical Chemistry C, 2020, 124, 14272-14278.	1.1	5
581	Energy-Efficient Stacks of Covellite (CuS) on Polyethylene Terephthalate Film: A Sustainable Solution to Heat Management. Journal of Physical Chemistry C, 2020, 124, 3314-3321.	1.5	5
582	Temperature-induced orbital polarizations and tunable charge dynamics in layered double perovskite thin films. Materials Today Energy, 2022, 24, 100921.	2.5	5
583	Atomically sharp jagged edges of chemical vapor deposition-grown WS ₂ for electrocatalysis. Materials Today Nano, 2022, 18, 100183.	2.3	5
584	Surface Reaction Mechanisms in Chemical Beam Epitaxy. Materials Research Society Symposia Proceedings, 1990, 204, 3.	0.1	4
585	XPS and Sims Studies of CVD-GROWN Cubic SiC Films on Si(100). Materials Research Society Symposia Proceedings, 1994, 339, 411.	0.1	4
586	A surface and interface study on the InSb/GaAs heterostructures. Thin Solid Films, 1997, 302, 111-115.	0.8	4
587	Synthesis and characterization of Ge nanocrystals immersed in amorphous SiO _x matrix. Surface and Interface Analysis, 1999, 28, 195-199.	0.8	4
588	Crystalline carbon nitride deposition by r.f.-PECVD using a C ₂ H ₄ -NH ₃ -H ₂ source gas mixture. Surface and Interface Analysis, 1999, 28, 212-216.	0.8	4
589	Structure of Fe() studied by quantitative LEED analysis and pseudopotential DFT calculations. Surface Science, 2003, 546, L808-L812.	0.8	4
590	Effects of first rapid thermal annealing temperature on Co silicide formation. Solid-State Electronics, 2003, 47, 1249-1253.	0.8	4
591	Characterization of Cu/Ta/ultra low-k porous polymer structures for multilevel interconnects. Thin Solid Films, 2004, 462-463, 182-185.	0.8	4
592	Making and measuring nanostructures: Nanoscience and technology at the Singapore synchrotron light source. Crystallography Reports, 2006, 51, S170-S182.	0.1	4
593	Role of low temperature rapid thermal annealing in post-laser-annealed p-channel metal-oxide-semiconductor field effect transistor. Applied Physics Letters, 2006, 89, 122113.	1.5	4
594			

#	ARTICLE	IF	CITATIONS
595	SCANNING PROBE MICROSCOPY BASED NANOSCALE PATTERNING AND FABRICATION. <i>Cosmos</i> , 2007, 03, 1-21.	0.4	4
596	Optical and Magnetic Properties of Ni-Doped ZnO Nanocones. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3620-3623.	0.9	4
597	Surface phase transition of Cu/Si(111)-(5 Å ⁻¹ × 5) by scanning tunnelling microscopy and photoemission study. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 095306.	1.3	4
598	Understanding tube-like electron emission from nanographite clustered films. <i>Journal of Applied Physics</i> , 2011, 110, 034903.	1.1	4
599	Re-Grown Aligned Carbon Nanotubes with Improved Field Emission. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 258-266.	0.9	4
600	Calculation of dielectric constant of buffer layer graphene on SiC measured by spectroscopy ellipsometry using Gauss-Newton numerical inversion method. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
601	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017, 11, 1123-1126.	7.3	4
602	Modulating Magnetism in Ferroelectric Polymer-Gated Perovskite Manganite Films with Moderate Gate Pulse Chains. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56541-56548.	4.0	4
603	Water robustness of organic thin-film transistors based on pyrazino[2,3- <i>g</i>]quinoxaline-dione conjugated polymer. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4157-4163.	2.7	4
604	Spontaneous Lithiation of Binary Oxides during Epitaxial Growth on LiCoO ₂ . <i>Nano Letters</i> , 2022, 22, 5530-5537.	4.5	4
605	Giant bipolar unidirectional photomagneto-resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	4
606	X-ray photoelectron spectroscopy/Fourier transform infrared spectroscopy study of the interaction of YBa ₂ Cu ₃ O _x with CO, NO, and H ₂ +CO. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 2074-2080.	0.9	3
607	Behavior of Ta thin film as a diffusion barrier in the Cu/barrier/SiO ₂ system. , 2000, , .		3
608	Application of excimer laser annealing in the formation of ultrashallow p ⁺ /n junctions. , 2000, , .		3
609	THE INVESTIGATION OF SURFACE TOPOGRAPHY DEVELOPMENT IN Si(001) AND Si(111) DURING SIMS DEPTH PROFILING. <i>Surface Review and Letters</i> , 2001, 08, 453-457.	0.5	3
610	STUDY OF THE MORPHOLOGICAL MODIFICATIONS INDUCED BY LASER ANNEALING OF PREAMORPHIZED SILICON. <i>Surface Review and Letters</i> , 2001, 08, 441-445.	0.5	3
611	Growth mechanisms in thin film epitaxy of Si/SiGe from hydrides. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 89, 399-405.	1.7	3
612	Evaluation of the silicon capping technique in SIMS. <i>Surface and Interface Analysis</i> , 2002, 33, 735-741.	0.8	3

#	ARTICLE	IF	CITATIONS
613	Reactive atom beam deposition of boron nitride ultrathin films and nanoparticles using borazine. <i>Diamond and Related Materials</i> , 2003, 12, 1103-1107.	1.8	3
614	OPTICAL LIMITING STUDIES OF NEW CARBON NANOCOMPOSITES AND AMORPHOUS Si _x N _y OR AMORPHOUS SiC COATED MULTI-WALLED CARBON NANOTUBES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 275-289.	1.1	3
615	Atomic force microscopy study of hexagonal boron nitride film growth on 6H-SiC (0001). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 37-45.	0.8	3
616	Synthesis of "Cactus" Top-Decorated Aligned Carbon Nanotubes and Their Third-Order Nonlinear Optical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 990-995.	0.9	3
617	Possible transition from space-charge-limited to injection-limited conduction in poly(3-hexylthiophene) thin films. <i>Applied Surface Science</i> , 2006, 252, 4023-4025.	3.1	3
618	Strong Green Luminescence of Mg-Doped ZnO Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2529-2532.	0.9	3
619	Interpretation of an anomalous peak in low-temperature photoluminescence measurements of bulk GaAs _{1-x} N _x on GaAs. <i>Journal of Applied Physics</i> , 2006, 99, 104908.	1.1	3
620	Effects of O ₂ Dissociation on a Porous Platinum Coating in the Thermal Oxidation of GaAs. <i>Journal of the Electrochemical Society</i> , 2006, 153, G182.	1.3	3
621	Interdiffusion in narrow InGaAsN/GaAs quantum wells. <i>Journal of Applied Physics</i> , 2007, 101, 103111.	1.1	3
622	Micro/nanoscale patterning of polymeric materials by atomic force microscope assisted electrohydrodynamic nanolithography. <i>Journal of Applied Physics</i> , 2008, 103, 024307.	1.1	3
623	Effects and thermal stability of hydrogen microwave plasma treatment on tetrahedral amorphous carbon films by in situ ultraviolet photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2009, 106, 024901.	1.1	3
624	Embedded organic hetero-junction and negative-differential-resistance photocurrent based on bias-assisted natural-drying of organic drops. <i>Organic Electronics</i> , 2010, 11, 1543-1548.	1.4	3
625	Interaction of copper with sulfur on the sulfur-terminated Si(111)-(7 \times 7) surface. <i>Applied Surface Science</i> , 2011, 257, 2038-2041.	3.1	3
626	We Take It Personally. <i>ACS Nano</i> , 2012, 6, 10417-10419.	7.3	3
627	Themed issue on carbon bioelectronics. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3727.	2.9	3
628	The World Is Flat?. <i>ACS Nano</i> , 2013, 7, 5649-5650.	7.3	3
629	NEXAFS Studies of Molecular Orientations at Molecule-Substrate Interfaces. , 2013, , 119-151.		3
630	Grand Plans for Nano. <i>ACS Nano</i> , 2015, 9, 11503-11505.	7.3	3

#	ARTICLE	IF	CITATIONS
631	Unraveling the magnetic coupling in the interface of the exchange-biased IrMn/permalloy multilayers. <i>Materials Letters</i> , 2017, 187, 133-135.	1.3	3
632	The 15th Anniversary of the U.S. National Nanotechnology Initiative. <i>ACS Nano</i> , 2018, 12, 10567-10569.	7.3	3
633	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide/Perovskite Oxide System (Adv. Sci. 12/2019). <i>Advanced Science</i> , 2019, 6, 1970073.	5.6	3
634	From Thin Films to Nanopillars: Tunable Morphology of Covellite via Radio Frequency Magnetron Sputtering for Cost-Effective Photothermal Vaporization. <i>ACS Applied Nano Materials</i> , 2019, 2, 7441-7448.	2.4	3
635	Is Charge-Transfer Doping Possible at the Interfaces of Monolayer VSe ₂ with MoO ₃ and K?. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43789-43795.	4.0	3
636	Unravelling uniaxial strain effects on electronic correlations, hybridization and bonding in transition metal oxides. <i>Acta Materialia</i> , 2019, 164, 618-626.	3.8	3
637	Molecular functionalization of all-inorganic perovskite CsPbBr ₃ thin films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12587-12598.	2.7	3
638	Growth and properties of magnetic two-dimensional transition-metal chalcogenides. , 2020, , 227-251.		3
639	Realizing quinary charge states of solitary defects in two-dimensional intermetallic semiconductor. <i>National Science Review</i> , 2022, 9, nwab070.	4.6	3
640	Exchange Coupling in Synthetic Anion-Engineered Chromia Heterostructures. <i>Advanced Functional Materials</i> , 2022, 32, 2109828.	7.8	3
641	Bandgap Engineering of Ternary In _{1-x} Sn _x and In _{1-x} Te _x Single Crystals for High-Performance Electronics and Optoelectronics. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
642	Low-Dimensional Porous Carbon Networks Using Single-/Triple-Coupling Polycyclic Hydrocarbon Precursors. <i>ACS Nano</i> , 2022, 16, 9843-9851.	7.3	3
643	Surface spectroscopic and molecular beam studies of the reactions of trimethylaluminium on Si(100). <i>Journal of Physics Condensed Matter</i> , 1989, 1, SB145-SB148.	0.7	2
644	Mechanistic aspects relating to the growth of GaIn _x As by CBE. <i>Journal of Crystal Growth</i> , 1991, 107, 1038-1039.	0.7	2
645	An investigation of the Ar ⁺ ion-enhanced reaction of CCl ₄ on Si(100) by secondary ion mass spectrometry. <i>Journal of Materials Science</i> , 1994, 29, 4037-4042.	1.7	2
646	Secondary ion emission from silicon under 8 keV O ₂ ⁺ and Ar ⁺ ion bombardment. <i>Vacuum</i> , 1996, 47, 119-127.	1.6	2
647	Bromine etching of mesoscopic structures on Cu(210): a scanning tunneling microscopy study. <i>Chemical Physics Letters</i> , 1998, 298, 146-150.	1.2	2
648	Inter-diffusion studies of SrBi ₂ Ta ₂ O ₉ film prepared on platinized wafer by pulsed laser ablation. <i>Surface and Interface Analysis</i> , 1999, 28, 217-220.	0.8	2

#	ARTICLE	IF	CITATIONS
649	Raman Shift and Broadening in Stress-Minimized Ge Nanocrystals in Silicon Oxide Matrix. Materials Research Society Symposia Proceedings, 1999, 581, 597.	0.1	2
650	Effect of ITO Carrier Concentration on the Performance of Organic Light-Emitting Diodes. Materials Research Society Symposia Proceedings, 1999, 598, 11.	0.1	2
651	Study of Ta as a Diffusion Barrier in Cu/SiO ₂ Structure. Materials Research Society Symposia Proceedings, 2000, 612, 9181.	0.1	2
652	Ultra shallow secondary ion mass spectrometry. , 0, , .		2
653	Adsorbate-induced reconstructions and nanostructures on high-index copper surfaces. Surface and Interface Analysis, 2001, 32, 228-235.	0.8	2
654	Study of a Computational-Time-Saving Scheme for Quantitative Leed Analysis by the Matrix Inversion Method. Surface Review and Letters, 2003, 10, 493-497.	0.5	2
655	Time-resolved reflectance studies of silicon during laser thermal processing of amorphous silicon gates on ultrathin gate oxides. Journal of Applied Physics, 2004, 95, 6048-6053.	1.1	2
656	MAGNETOELASTIC NANOCRYSTALLINE Co-Ni ALLOYS. International Journal of Nanoscience, 2004, 03, 615-623.	0.4	2
657	Co-doping carbon tetrabromide (CBr ₄) and antimony (Sb) on GaAs [100] in solid source molecular beam epitaxy. Journal of Crystal Growth, 2004, 267, 364-371.	0.7	2
658	ZnS/Si composite nano-structured thin films and their photoluminescence. Journal of Physics: Conference Series, 2006, 28, 127-130.	0.3	2
659	Cobalt Nanowire Fabrication on Activated Nitrogen-Templated Cu(210) Surface. Japanese Journal of Applied Physics, 2006, 45, 2106-2110.	0.8	2
660	Characterization and Field Emission Performance of Electrochemically Synthesized FeOOH Nanowalls. Journal of Nanoscience and Nanotechnology, 2007, 7, 3301-3306.	0.9	2
661	1.31- μ m GaAs-based heterojunction λ -photodetectors using InGaAsNSb as the intrinsic layer grown by molecular beam epitaxy. Thin Solid Films, 2007, 515, 4441-4444.	0.8	2
662	Two Coexisting Modes in Field-Assisted AFM Nanopatterning of Thin Polymer Films. Macromolecular Chemistry and Physics, 2008, 209, 1358-1366.	1.1	2
663	Localized breakdown in dielectrics and macroscopic charge transport through the whole gate stack: A comparative study. Applied Physics Letters, 2008, 92, 012914.	1.5	2
664	Scanning tunneling microscopy investigation of growth of self-assembled indium and aluminum nanostructures on inert substrates. Thin Solid Films, 2009, 517, 4540-4547.	0.8	2
665	Substrate-mediated electron tunneling through molecule-electrode interfaces. Applied Physics Letters, 2011, 99, 143122.	1.5	2
666	Announcing the Recipients of the 2012 ACS Nano Lectureship Awards. ACS Nano, 2012, 6, 987-989.	7.3	2

#	ARTICLE	IF	CITATIONS
667	Fundamental Electronic Structure of Organic Solids and Their Interfaces by Photoemission Spectroscopy and Related Methods. , 2013, , 173-217.		2
668	Towards molecular doping effect on the electronic properties of two-dimensional layered materials. Journal of Physics: Conference Series, 2016, 739, 012014.	0.3	2
669	Announcing the 2019 ACS Nano Award Lecture Laureates. ACS Nano, 2019, 13, 4859-4861.	7.3	2
670	Graphene: Room-Temperature Colossal Magnetoresistance in Terraced Single-Layer Graphene (Adv.) Tj ETQq0 0,0 rgBT /Oylock 10	11.1	2
671	Two-Dimensional Conjugated Covalent Organic Framework Films via Oxidative C-C Coupling Reactions at a Liquid-Liquid Interface. Organic Materials, 2021, 03, 060-066.	1.0	2
672	STUDY OF THIN FILMS AND AQUEOUS CHLORINE SOLUTION USING X-RAY ABSORPTION FINE STRUCTURE SPECTROSCOPY. Advances in Synchrotron Radiation, 2008, 01, 79-87.	0.0	2
673	Studies of the surface reactivity of novel hydride adduct precursors for CBE growth of III-V compounds. Journal of Crystal Growth, 1991, 107, 1040.	0.7	1
674	MULTI-TECHNIQUE STUDY OF POROUS SILICON MEMBRANES BY RAMAN SCATTERING, FTIR, XPS, AES AND SIMS. , 1994, , 175-194.		1
675	Investigation of Titanium Silicide Formation Using Secondary Ion Mass Spectrometry. Materials Research Society Symposia Proceedings, 1994, 342, 117.	0.1	1
676	Scanning tunnelling microscopy study of palladium on stepped Cu(210) surfaces: chemical contrast and room-temperature tip-induced motion. Surface Science, 1999, 442, 55-64.	0.8	1
677	Use of sample rotation in SIMS profiling of Ta barrier layers to Cu diffusion. , 2000, , .		1
678	Ultrashallow depth profiling of B deltas in Si using a CAMECA IMS 6f. , 2000, 4227, 90.		1
679	SIMULATIONS OF X-RAY PHOTOELECTRON DIFFRACTION EXPERIMENT FROM THEORETICAL CALCULATIONS. Surface Review and Letters, 2001, 08, 549-557.	0.5	1
680	Investigation of Metal-Organic Chemical Vapor Deposited Copper Diffusion in Tantalum after Annealing. , 2002, , .		1
681	Reduction of Polysilicon Gate Depletion Effect in NMOS Devices Using Laser Thermal Processing. Electrochemical and Solid-State Letters, 2004, 7, G25.	2.2	1
682	COMPARATIVE STUDY OF Ta AND TaN(N) IN THE BARRIER/ULTRA LOW k STRUCTURES FOR DEEP SUBMICRON INTEGRATED CIRCUITS. International Journal of Nanoscience, 2004, 03, 471-479.	0.4	1
683	THERMAL STABILITY OF Cu/Ta/ULTRA LOW k POROUS POLYMER STRUCTURES FOR MULTILEVEL INTERCONNECTS. International Journal of Nanoscience, 2004, 03, 481-487.	0.4	1
684	Characterizations of InzGalâ~z Aslâ~xâ~yN xSby P-i-N structures grown on GaAs by molecular beam epitaxy. Journal of Materials Science: Materials in Electronics, 2005, 16, 301-307.	1.1	1

#	ARTICLE	IF	CITATIONS
685	NANOSCALE CHARACTERIZATION BY SCANNING TUNNELING MICROSCOPY. <i>Cosmos</i> , 2007, 03, 23-50.	0.4	1
686	Formation of Silicided Hyper-Shallow p+/n- Junctions by Pulsed Laser Annealing. <i>ECS Transactions</i> , 2007, 11, 379-394.	0.3	1
687	Vacancy engineering by optimized laser irradiation in boron-implanted, preamorphized silicon substrate. <i>Applied Physics Letters</i> , 2008, 92, 203107.	1.5	1
688	Shape-Controlled Growth of Indium and Aluminum Nanostructures on MoS ₂ (0001). <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2707-2712.	0.9	1
689	Scanning tunneling microscopy study of higher-order Si(100)-c(8 Å— 8) surface reconstruction. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 395003.	0.7	1
690	Molecular electronics studies by synchrotron radiation. , 2009, , .		1
691	Slow Charge Relaxation in Ionizable Alkanethiols and Its Role in Modulating Electric Characteristics of Molecules and Passivated Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3683-3690.	1.5	1
692	Exciting Times for Nano. <i>ACS Nano</i> , 2013, 7, 10437-10439.	7.3	1
693	A Big Year Ahead for Nano in 2018. <i>ACS Nano</i> , 2017, 11, 11755-11757.	7.3	1
694	Atmospheric Pressure Fabrication of Large-Sized Single-Layer Rectangular SnSe Flakes. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
695	STM/STS and ARPES characterization of structure and electronic properties. , 2020, , 199-220.		1
696	Epitaxial Ultrathin Films: Atomic-Scale Metal-Insulator Transition in SrRuO ₃ Ultrathin Films Triggered by Surface Termination Conversion (Adv. Mater. 8/2020). <i>Advanced Materials</i> , 2020, 32, 2070058.	11.1	1
697	THE ELECTRONIC STRUCTURE AT ORGANIC-2D MATERIAL HETEROINTERFACES. <i>Surface Review and Letters</i> , 2021, 28, 2140003.	0.5	1
698	Incorporation of Ti in epitaxial Fe ₂ TiO ₄ thin films. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 314004.	0.7	1
699	Growing Contributions of Nano in 2020. <i>ACS Nano</i> , 2020, 14, 16163-16164.	7.3	1
700	Transition-Metal Dichalcogenides: Anisotropic Collective Charge Excitations in Quasimetallic 2D Transition-Metal Dichalcogenides (Adv. Sci. 10/2020). <i>Advanced Science</i> , 2020, 7, .	5.6	1
701	Metal-insulator transition switching in VO _x /TiO ₂ heterojunctions. <i>Physical Review Materials</i> , 2022, 6, .		1
702	Combined Optical, Surface and Nuclear Microscopic Assessment of Porous Silicon Formed in HF-Acetonitrile. <i>Materials Research Society Symposia Proceedings</i> , 1994, 358, 345.	0.1	0

#	ARTICLE	IF	CITATIONS
703	Surface and Interface Properties of InSb Epitaxial Thin Films Grown on Gaas by Low Pressure Metalorganic Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1997, 484, 63.	0.1	0
704	Compositional and morphological analysis of In _x Ga _{1-x} N/GaN epilayers. Surface and Interface Analysis, 1999, 28, 181-185.	0.8	0
705	Comparative investigation of high-resolution transmission electron microscopy and Fourier transform infrared spectroscopy for GaN films on sapphire substrate. , 1999, , .		0
706	Effect of flash copper on Cu diffusion. , 2000, 4227, 190.		0
707	<title>CVD Cu/IMP Cu/TaN/SiO ₂ /Si structures</title>. , 2000, 4229, 176.		0
708	SIMS STUDY OF SILICON OXYNITRIDE RAPID THERMALLY GROWN IN NITRIC OXIDE. Surface Review and Letters, 2001, 08, 569-573.	0.5	0
709	CRYSTALLINE PHASE SEPARATION OF InGa _N LAYER MATERIALS PREPARED BY METALORGANIC CHEMICAL VAPOR DEPOSITION. International Journal of Modern Physics B, 2002, 16, 268-274.	1.0	0
710	OXIDATION STUDY OF RF SPUTTERED AMORPHOUS AND POLYCRYSTALLINE SILICON GERMANIUM FILMS. International Journal of Modern Physics B, 2002, 16, 4224-4227.	1.0	0
711	THE GROWTH OF ALIGNED CARBON NANOTUBES ON FeNiCo CATALYST FILMS. International Journal of Nanoscience, 2002, 01, 79-85.	0.4	0
712	Study of copper diffusion into tantalum nitride (Ta/sub 2/N) by rapid thermal annealing (RTA). , 2002, , .		0
713	Dynamics and surface segregation during GSMBE of Si _{1-x} Ge _x and Si _{1-x} Ge _x on the Si(001) surface. Journal of Crystal Growth, 2003, 251, 676-680.	0.7	0
714	Defects and Surfactant Action of Antimony on GaAs and GaAs _{1-x} N _x on GaAs [100] by Molecular Beam Epitaxy. Materials Research Society Symposia Proceedings, 2003, 799, 191.	0.1	0
715	Properties of the CdTe/InSb interface studied by optical and surface analytical techniques. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2181-2185.	0.8	0
716	Enhanced Boron Activation in Strained-Si/Si _{1-x} Ge _x Substrate Using Laser Annealing. ECS Transactions, 2006, 1, 1-6.	0.3	0
717	Development of Highly Efficient and High Speed X-ray Detectors Using Modern Nanomaterials. AIP Conference Proceedings, 2007, , .	0.3	0
718	Research Frontiers at SLS. AIP Conference Proceedings, 2007, , .	0.3	0
719	Study of Ion-implanted InSb_{1-x}N_x Alloys using Secondary Ion Mass Spectroscopy. , 2007, , .		0
720	Shaping And Characterising Materials â€” Recent Results From Singapore Synchrotron Light Source. AIP Conference Proceedings, 2007, , .	0.3	0

#	ARTICLE	IF	CITATIONS
721	SIA spotlight on Asia. Surface and Interface Analysis, 2007, 39, 715-739.	0.8	0
722	Molecular anchor Cu ⁺ S formed on a thiophene mediated Si(111)-(7 \times 7) surface. Journal of Chemical Physics, 2008, 128, 044706.	1.2	0
723	SCANNING PROBE MICROSCOPY BASED NANOSCALE PATTERNING AND FABRICATION. , 2009, , 3-23.		0
724	NANOSCALE CHARACTERIZATION BY SCANNING TUNNELING MICROSCOPY. , 2009, , 25-52.		0
725	First principles prediction of materials for spintronics: From bulk to nano. , 2010, , .		0
726	ACS Nano in 2011 and Looking Forward to 2012. ACS Nano, 2011, 5, 9301-9302.	7.3	0
727	Vibrational Spectroscopies for Future Studies of Molecule-Metal Interface. , 2013, , 243-249.		0
728	Frontispiece: Irreversible Denaturation of Proteins through Aluminum-Induced Formation of Backbone Ring Structures. Angewandte Chemie - International Edition, 2014, 53, .	7.2	0
729	Adsorption-enhanced spin-orbit coupling of buckled honeycomb silicon. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 141-145.	1.3	0
730	Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555.	7.3	0
731	Helmuth M \ddot{u} hlwald (1946-2018). ACS Nano, 2018, 12, 3053-3055.	7.3	0
732	2D Transition Metal Dichalcogenide: Unraveling High-Yield Phase-Transition Dynamics in Transition Metal Dichalcogenides on Metallic Substrates (Adv. Sci. 7/2019). Advanced Science, 2019, 6, 1970042.	5.6	0
733	Cuprate Thin Films: Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors (Adv. Mater. 34/2020). Advanced Materials, 2020, 32, 2070257.	11.1	0
734	THE STRUCTURE OF Cu(210): CLEAN SURFACE AND OXYGEN-INDUCED RECONSTRUCTIONS. , 2001, , .		0
735	Self-Assembled Monolayers (SAM) for Tunneling Sensors. Microsystems, 2002, , 113-132.	0.3	0
736	CHARACTERIZATION OF MATERIALS FOR MOLECULAR ELECTRONICS AND DATA STORAGE BY SOFT X-RAY SPECTROSCOPY. Advances in Synchrotron Radiation, 2008, 01, 127-133.	0.0	0
737	Fe-INDUCED CHANGE OF ELECTRON AFFINITY AND SECONDARY ELECTRON YIELD ON DIAMOND. Advances in Synchrotron Radiation, 2008, 01, 59-65.	0.0	0
738	ULTRAFAST CHARGE TRANSFER ACROSS MOLECULE/METAL INTERFACES BY RESONANT PHOTOEMISSION SPECTROSCOPY. Advances in Synchrotron Radiation, 2008, 01, 89-104.	0.0	0

#	ARTICLE	IF	CITATIONS
739	MOLECULAR ORIENTATION AND ENERGY LEVEL ALIGNMENT AT THE CuPc/SAMs INTERFACE. <i>Advances in Synchrotron Radiation</i> , 2008, 01, 33-45.	0.0	0
740	Atomic Force Microscopy-Based Nano-Oxidation. , 2010, , 205-222.		0
741	In Situ STM Studies of Molecular Self-Assembly on Surfaces. , 2010, , 37-55.		0
742	The Electronic Structure at Organic-2D Material Heterointerfaces. , 2021, , 173-201.		0
743	Materials engineering – defect healing & passivation. , 2022, , 195-219.		0
744	Tanks and Truth. <i>ACS Nano</i> , 2022, 16, 4975-4976.	7.3	0
745	Realizing Two-Dimensional Supramolecular Arrays of a Spin Molecule via Halogen Bonding. <i>ACS Nanoscience Au</i> , 0, , .	2.0	0