

Tadaaki Nagao

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257 papers	8,668 citations	51 h-index	84 g-index
283 ext. papers	9,816 ext. citations	4.8 avg, IF	6.11 L-index

#	Paper	IF	Citations
257	Instability and Charge Density Wave of Metallic Quantum Chains on a Silicon Surface. <i>Physical Review Letters</i> , 1999 , 82, 4898-4901	7.4	499
256	Nanofilm allotrope and phase transformation of ultrathin Bi film on Si(111)-7x7. <i>Physical Review Letters</i> , 2004 , 93, 105501	7.4	338
255	Role of spin-orbit coupling and hybridization effects in the electronic structure of ultrathin Bi films. <i>Physical Review Letters</i> , 2006 , 97, 146803	7.4	246
254	Surface-Plasmon-Enhanced Photodriven CO ₂ Reduction Catalyzed by Metal-Organic-Framework-Derived Iron Nanoparticles Encapsulated by Ultrathin Carbon Layers. <i>Advanced Materials</i> , 2016 , 28, 3703-10	24	227
253	Titanium Nitride Nanoparticles as Plasmonic Solar Heat Transducers. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2343-2348	3.8	201
252	Structures and electronic transport on silicon surfaces. <i>Progress in Surface Science</i> , 1999 , 60, 89-257	6.6	197
251	Electronic structures of the highest occupied molecular orbital bands of a pentacene ultrathin film. <i>Physical Review Letters</i> , 2007 , 98, 247601	7.4	157
250	Electrochemical synthesis of mesoporous gold films toward mesospace-stimulated optical properties. <i>Nature Communications</i> , 2015 , 6, 6608	17.4	151
249	Direct observation of spin splitting in bismuth surface states. <i>Physical Review B</i> , 2007 , 76,	3.3	148
248	Infrared Perfect Absorbers Fabricated by Colloidal Mask Etching of Al ₂ O ₃ /Al Trilayers. <i>ACS Photonics</i> , 2015 , 2, 964-970	6.3	144
247	Conversion of Carbon Dioxide by Methane Reforming under Visible-Light Irradiation: Surface-Plasmon-Mediated Nonpolar Molecule Activation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11545-9	16.4	129
246	Dispersion and damping of a two-dimensional plasmon in a metallic surface-state band. <i>Physical Review Letters</i> , 2001 , 86, 5747-50	7.4	127
245	Independently driven four-tip probes for conductivity measurements in ultrahigh vacuum. <i>Surface Science</i> , 2001 , 493, 633-643	1.8	118
244	Light-Enhanced Carbon Dioxide Activation and Conversion by Effective Plasmonic Coupling Effect of Pt and Au Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 408-416	9.5	118
243	Infrared Aluminum Metamaterial Perfect Absorbers for Plasmon-Enhanced Infrared Spectroscopy. <i>Advanced Functional Materials</i> , 2015 , 25, 6637-6643	15.6	107
242	Effective decoration of Pd nanoparticles on the surface of SnO ₂ nanowires for enhancement of CO gas-sensing performance. <i>Journal of Hazardous Materials</i> , 2014 , 265, 124-32	12.8	105
241	Na adsorption on the Si(111)-(7 x 7) surface: from two-dimensional gas to nanocluster array. <i>Physical Review Letters</i> , 2003 , 91, 126101	7.4	105

240	Narrowband Wavelength Selective Thermal Emitters by Confined Tamm Plasmon Polaritons. <i>ACS Photonics</i> , 2017 , 4, 2212-2219	6.3	104
239	Structural phase transitions of Si(111)-(1×1)Au: Phase transitions in domain-wall configurations. <i>Physical Review B</i> , 1998 , 57, 10100-10109	3.3	102
238	Design of PdAu alloy plasmonic nanoparticles for improved catalytic performance in CO ₂ reduction with visible light irradiation. <i>Nano Energy</i> , 2016 , 26, 398-404	17.1	96
237	Examining the Performance of Refractory Conductive Ceramics as Plasmonic Materials: A Theoretical Approach. <i>ACS Photonics</i> , 2016 , 3, 43-50	6.3	96
236	Origin of the stability of Ge(105) on Si: a new structure model and surface strain relaxation. <i>Physical Review Letters</i> , 2002 , 88, 176101	7.4	94
235	Surface electrical conduction due to carrier doping into a surface-state band on Si(111)-(1×1)-Ag. <i>Physical Review B</i> , 1997 , 56, 6782-6787	3.3	91
234	Quantum well states in ultrathin Bi films: Angle-resolved photoemission spectroscopy and first-principles calculations study. <i>Physical Review B</i> , 2007 , 75,	3.3	91
233	One-dimensional plasmon in an atomic-scale metal wire. <i>Physical Review Letters</i> , 2006 , 97, 116802	7.4	90
232	Monitoring the presence of ionic mercury in environmental water by plasmon-enhanced infrared spectroscopy. <i>Scientific Reports</i> , 2013 , 3, 1175	4.9	86
231	Longitudinal and transverse coupling in infrared gold nanoantenna arrays: long range versus short range interaction regimes. <i>Optics Express</i> , 2011 , 19, 15047-61	3.3	85
230	Thin bismuth film as a template for pentacene growth. <i>Applied Physics Letters</i> , 2005 , 86, 073109	3.4	85
229	Si(111)-(1×1)-Ag surface at low temperatures: symmetry breaking and surface twin boundaries. <i>Surface Science</i> , 1999 , 442, 65-73	1.8	84
228	Large surface-state conductivity in ultrathin Bi films. <i>Applied Physics Letters</i> , 2007 , 91, 202106	3.4	82
227	Light assisted CO ₂ reduction with methane over group VIII metals: Universality of metal localized surface plasmon resonance in reactant activation. <i>Applied Catalysis B: Environmental</i> , 2017 , 209, 183-189	21.8	81
226	Plasmonic Janus-Composite Photocatalyst Comprising Au and Cu ₂ O for Enhanced Aerobic Oxidation over a Broad Visible-Light Range. <i>Advanced Functional Materials</i> , 2014 , 24, 7754-7762	15.6	75
225	Structural phase transitions of Pb-adsorbed Si(111) surfaces at low temperatures. <i>Physical Review B</i> , 1999 , 60, 13287-13290	3.3	75
224	Hot Electron Excitation from Titanium Nitride Using Visible Light. <i>ACS Photonics</i> , 2016 , 3, 1552-1557	6.3	74
223	Moiré Nanosphere Lithography. <i>ACS Nano</i> , 2015 , 9, 6031-40	16.7	72

222	Surface-enhanced ATR-IR spectroscopy with interface-grown plasmonic gold-island films near the percolation threshold. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4935-41	3.6	71
221	Photo-assisted methanol synthesis via CO ₂ reduction under ambient pressure over plasmonic Cu/ZnO catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 10-16	21.8	71
220	Hole Array Perfect Absorbers for Spectrally Selective Midwavelength Infrared Pyroelectric Detectors. <i>ACS Photonics</i> , 2016 , 3, 1271-1278	6.3	70
219	Origin of flat morphology and high crystallinity of ultrathin bismuth films. <i>Surface Science</i> , 2007 , 601, 3593-3600	1.8	69
218	All-Ceramic Microfibrous Solar Steam Generator: TiN Plasmonic Nanoparticle-Loaded Transparent Microfibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8523-8528	8.3	68
217	Ultranarrow-Band Wavelength-Selective Thermal Emission with Aperiodic Multilayered Metamaterials Designed by Bayesian Optimization. <i>ACS Central Science</i> , 2019 , 5, 319-326	16.8	64
216	Insulator-to-Proton-Conductor Transition in a Dense Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6428-31	16.4	61
215	Electronic Structure of Ultrathin Bismuth Films with A7 and Black-Phosphorus-like Structures. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 014701	1.5	61
214	Strong lateral growth and crystallization via two-dimensional allotropic transformation of semi-metal Bi film. <i>Surface Science</i> , 2005 , 590, 247-252	1.8	61
213	Origin of the surface-state band-splitting in ultrathin Bi films: from a Rashba effect to a parity effect. <i>New Journal of Physics</i> , 2008 , 10, 083038	2.9	60
212	Color-Tunable Resonant Photoluminescence and Cavity-Mediated Multistep Energy Transfer Cascade. <i>ACS Nano</i> , 2016 , 10, 7058-63	16.7	58
211	A series of Ca-induced reconstructions on Si(111) surface. <i>Surface Science</i> , 2001 , 493, 148-156	1.8	57
210	Solar water heating and vaporization with silicon nanoparticles at mie resonances. <i>Optical Materials Express</i> , 2016 , 6, 640	2.6	56
209	Antenna Sensing of Surface Phonon Polaritons. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7299-7301	3.8	54
208	Spectrally Selective Mid-Infrared Thermal Emission from Molybdenum Plasmonic Metamaterial Operated up to 1000 °C. <i>Advanced Optical Materials</i> , 2016 , 4, 1987-1992	8.1	53
207	Electron standing waves on the Si(111)-3 \times 3-Ag surface. <i>Physical Review B</i> , 1999 , 59, 2035-2039	3.3	53
206	Surface-State Bands on Silicon Bi(111)- $\sqrt{3}\times\sqrt{3}$ -Ag Surface Superstructure. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3815-3822	1.4	51
205	Two-dimensional adatom gas phase on the Si(111)-3 \times 3-Ag surface directly observed by scanning tunneling microscopy. <i>Physical Review B</i> , 1999 , 60, 16083-16087	3.3	49

204	Morphology of ultrathin manganese silicide on Si(111). <i>Surface Science</i> , 1999 , 419, 134-143	1.8	49
203	Light assisted CO ₂ reduction with methane over SiO ₂ encapsulated Ni nanocatalysts for boosted activity and stability. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10567-10573	13	48
202	Metamaterial-enhanced vibrational absorption spectroscopy for the detection of protein molecules. <i>Scientific Reports</i> , 2016 , 6, 32123	4.9	48
201	Chemically synthesized nanowire TiO ₂ /ZnO core-shell p-n junction array for high sensitivity ultraviolet photodetector. <i>Applied Physics Letters</i> , 2013 , 103, 193119	3.4	48
200	Growth and electron quantization of metastable silver films on Si(001). <i>Physical Review B</i> , 2001 , 63,	3.3	48
199	STM observations of Ag adsorption on the Si(111)1×1-Ag surface at low temperatures. <i>Surface Science</i> , 1998 , 408, 146-159	1.8	47
198	Enhanced Solar Light Absorption and Photoelectrochemical Conversion Using TiN Nanoparticle-Incorporated CN-C Dot Sheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2460-2468	9.5	46
197	Hybridizing Poly(ε-caprolactone) and Plasmonic Titanium Nitride Nanoparticles for Broadband Photoresponsive Shape Memory Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5634-40	9.5	46
196	Electronic structure of Ag-induced 3×3 and 21×21 superstructures on the Si(111) surface studied by angle-resolved photoemission spectroscopy and scanning tunneling microscopy. <i>Physical Review B</i> , 2001 , 64,	3.3	46
195	In situ surface-enhanced infrared absorption spectroscopy for the analysis of the adsorption and desorption process of Au nanoparticles on the SiO ₂ /Si surface. <i>Langmuir</i> , 2007 , 23, 6119-25	4	44
194	Microstructure of leached Al-Cu-Fe quasicrystal with high catalytic performance for steam reforming of methanol. <i>Applied Catalysis A: General</i> , 2010 , 384, 241-251	5.1	43
193	Electrical conduction via surface-state bands. <i>Surface Science</i> , 1997 , 386, 322-327	1.8	43
192	Surface pre-melting and surface flattening of Bi nanofilms on Si(1 1 1)-7 × 7. <i>Surface Science</i> , 2003 , 547, L877-L881	1.8	43
191	Phase transition and stability of Si(111)1×1-Pin surface phase at low temperatures. <i>Surface Science</i> , 2001 , 488, 15-22	1.8	43
190	Plasmons in nanoscale and atomic-scale systems. <i>Science and Technology of Advanced Materials</i> , 2010 , 11, 054506	7.1	42
189	Porous gold nanodisks with multiple internal hot spots. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 9131-6	3.6	41
188	Epitaxial Growth of Single-Crystal Ultrathin Films of Bismuth on Si(111). <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 4567-4570	1.4	41
187	Fabrication of Highly Metallic TiN Films by Pulsed Laser Deposition Method for Plasmonic Applications. <i>ACS Photonics</i> , 2018 , 5, 814-819	6.3	39

186	Reversible adsorption of Au nanoparticles on SiO ₂ /Si: An in situ ATR-IR study. <i>Surface Science</i> , 2006 , 600, L71-L75	1.8	38
185	Tamm plasmon selective thermal emitters. <i>Optics Letters</i> , 2016 , 41, 4453-4456	3	38
184	Conjugated Polymer Blend Microspheres for Efficient, Long-Range Light Energy Transfer. <i>ACS Nano</i> , 2016 , 10, 5543-9	16.7	38
183	All-Ceramic Solar-Driven Water Purifier Based on Anodized Aluminum Oxide and Plasmonic Titanium Nitride. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800112	5.9	38
182	Whispering Gallery Resonance from Self-Assembled Microspheres of Highly Fluorescent Isolated Conjugated Polymers. <i>Macromolecules</i> , 2015 , 48, 3928-3933	5.5	37
181	Angstrom-scale distance dependence of antenna-enhanced vibrational signals. <i>ACS Nano</i> , 2012 , 6, 10917-10923	1.3	37
180	Experimental investigation of two-dimensional plasmons in a DySi ₂ monolayer on Si(111). <i>Physical Review B</i> , 2008 , 78,	3.3	36
179	Structure of C60 layers on the Si(111)/Ag surface. <i>Physical Review B</i> , 1999 , 60, 11131-11136	3.3	36
178	Two-dimensional adatom gas on the Si(111)-(sqrt 3 x sqrt 3)-Ag surface detected through changes in electrical conduction. <i>Physical Review B</i> , 1996 , 54, 14134-14138	3.3	35
177	A synergistic interaction between isolated Au nanoparticles and oxygen vacancies in an amorphous black TiO ₂ nanoporous film: toward enhanced photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12978-12984	13	35
176	Nonmetallic Materials for Plasmonic Hot Carrier Excitation. <i>Advanced Optical Materials</i> , 2019 , 7, 1800603	3.1	32
175	Effect of different surfactants on structural and optical properties of Ce ³⁺ and Tb ³⁺ co-doped BiPO ₄ nanostructures. <i>Optical Materials</i> , 2015 , 39, 110-117	3.3	31
174	One-dimensional plasmons in ultrathin metallic silicide wires of finite width. <i>Physical Review B</i> , 2010 , 81,	3.3	31
173	Stability of the quasicubic phase in the initial stage of the growth of bismuth films on Si(111)-7x7. <i>Journal of Applied Physics</i> , 2006 , 99, 014904	2.5	31
172	MICRO-FOUR-POINT PROBES IN A UHV SCANNING ELECTRON MICROSCOPE FOR IN-SITU SURFACE-CONDUCTIVITY MEASUREMENTS. <i>Surface Review and Letters</i> , 2000 , 07, 533-537	1.1	31
171	Oxygen adsorption sites on the PrB ₆ (100) and LaB ₆ (100) surfaces. <i>Surface Science</i> , 1996 , 348, 133-142	1.8	31
170	Strong coupling between phonon-polaritons and plasmonic nanorods. <i>Optics Express</i> , 2016 , 24, 25528-25539	3.9	30
169	Band engineering of ternary metal nitride system Ti _{1-x} Zr _x N for plasmonic applications. <i>Optical Materials Express</i> , 2016 , 6, 29	2.6	29

168	Visible-light photodecomposition of acetaldehyde by TiO ₂ -coated gold nanocages: plasmon-mediated hot electron transport via defect states. <i>Chemical Communications</i> , 2014 , 50, 15553-6 ^{5.8}	28
167	Radiative cooling for continuous thermoelectric power generation in day and night. <i>Applied Physics Letters</i> , 2020 , 117, 013901	3.4 26
166	Broadband Plasmon Resonance Enhanced Third-Order Optical Nonlinearity in Refractory Titanium Nitride Nanostructures. <i>ACS Photonics</i> , 2018 , 5, 3452-3458	6.3 26
165	Role of oxygen electrons in the metal-insulator transition in the magnetoresistive oxide La _{2-2x} Sr _{1+2x} Mn ₂ O ₇ probed by compton scattering. <i>Physical Review Letters</i> , 2009 , 102, 206402	7.4 26
164	Tunable Nanoantennas for Surface Enhanced Infrared Absorption Spectroscopy by Colloidal Lithography and Post-Fabrication Etching. <i>Scientific Reports</i> , 2017 , 7, 44069	4.9 25
163	Active molecular plasmonics: tuning surface plasmon resonances by exploiting molecular dimensions. <i>Nanophotonics</i> , 2015 , 4, 186-197	6.3 25
162	High quality thermochromic VO ₂ films prepared by magnetron sputtering using V ₂ O ₅ target with in situ annealing. <i>Applied Surface Science</i> , 2019 , 495, 143436	6.7 24
161	Plasmonic Photonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. <i>ACS Photonics</i> , 2017 , 4, 815-822	6.3 23
160	Resonant Optical Absorption and Photothermal Process in High Refractive Index Germanium Nanoparticles. <i>Advanced Optical Materials</i> , 2017 , 5, 1600902	8.1 23
159	Plasmon-mediated photocatalytic activity of wet-chemically prepared ZnO nanowire arrays. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7395-403	3.6 23
158	Terahertz-field-induced nonlinear electron delocalization in Au nanostructures. <i>Nano Letters</i> , 2015 , 15, 1036-40	11.5 23
157	Infrared spectroscopic and electron microscopic characterization of gold nanogap structure fabricated by focused ion beam. <i>Nanotechnology</i> , 2011 , 22, 275202	3.4 23
156	Critical scattering at the order-disorder phase transition of Si(111)-3BR30°-Au surface: A phase transition with particle exchange. <i>Physical Review B</i> , 1997 , 55, 8129-8135	3.3 23
155	Vibrations of alkali-metal atoms chemisorbed on the Al(111) surface. <i>Surface Science</i> , 1995 , 329, 269-275 ^{1.8}	23
154	Photocurrent Enhancements of TiO ₂ -Based Nanocomposites with Gold Nanostructures/Reduced Graphene Oxide on Nanobranched Substrate. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21103-21113	3.8 22
153	Triggering Water and Methanol Activation for Solar-Driven H ₂ Production: Interplay of Dual Active Sites over Plasmonic ZnCu Alloy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12145-12153	16.4 22
152	Optical detection of plasmonic and interband excitations in 1-nm-wide indium atomic wires. <i>Applied Physics Letters</i> , 2010 , 96, 243101	3.4 21
151	Two-dimensional plasmon in a metallic monolayer on a semiconductor surface: Exchange-correlation effects. <i>Physical Review B</i> , 2002 , 66,	3.3 21

150	Sub-Band Gap Photodetection from the Titanium Nitride/Germanium Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21965-21972	9.5	20
149	Tunable multiband metasurfaces by moiré nanosphere lithography. <i>Nanoscale</i> , 2015 , 7, 20391-6	7.7	20
148	An On-Chip Quad-Wavelength Pyroelectric Sensor for Spectroscopic Infrared Sensing. <i>Advanced Science</i> , 2019 , 6, 1900579	13.6	20
147	Surface metallic states in ultrathin Bi(001) films studied with terahertz time-domain spectroscopy. <i>Applied Physics Letters</i> , 2012 , 100, 251605	3.4	20
146	Disappearance of the quasi-one-dimensional plasmon at the metal-insulator phase transition of indium atomic wires. <i>Physical Review B</i> , 2008 , 77,	3.3	20
145	Sound-Wave-Like Collective Electronic Excitations in Au Atom Chains. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 114714	1.5	20
144	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 270-274	7.8	20
143	Optical microresonator arrays of fluorescence-switchable diarylethenes with unreplicable spectral fingerprints. <i>Materials Horizons</i> , 2020 , 7, 1801-1808	14.4	19
142	Two-dimensional plasmon in a surface-state band. <i>Surface Science</i> , 2001 , 493, 680-686	1.8	19
141	Anti-reflection textured structures by wet etching and island lithography for surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2015 , 357, 615-621	6.7	18
140	Conversion of Carbon Dioxide by Methane Reforming under Visible-Light Irradiation: Surface-Plasmon-Mediated Nonpolar Molecule Activation. <i>Angewandte Chemie</i> , 2015 , 127, 11707-11711	3.6	18
139	Surface phonons of Na-induced superstructures on Al(111). <i>Physical Review B</i> , 1997 , 55, 10064-10073	3.3	18
138	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. <i>Nanoscale</i> , 2018 , 10, 18451-18456	7.7	18
137	Protein-Functionalized Indium-Tin Oxide Nanoantenna Arrays for Selective Infrared Biosensing. <i>Advanced Optical Materials</i> , 2017 , 5, 1700091	8.1	17
136	Structure and optical properties of sputter deposited pseudobrookite Fe ₂ TiO ₅ thin films. <i>CrystEngComm</i> , 2019 , 21, 34-40	3.3	17
135	Selective patterned growth of ZnO nanowires/nanosheets and their photoluminescence properties. <i>Optical Materials Express</i> , 2015 , 5, 353	2.6	17
134	Magnetically assembled Ni@Ag urchin-like ensembles with ultra-sharp tips and numerous gaps for SERS applications. <i>Small</i> , 2014 , 10, 2564-9	11	17
133	Deformation of octahedra at LaB ₆ (100) surface studied by HREELS. <i>Surface Science</i> , 1993 , 287-288, 391-395	3.5	17

132	Dual roles of a transparent polymer film containing dispersed N-doped carbon dots: A high-efficiency blue light converter and UV screen. <i>Applied Surface Science</i> , 2020 , 510, 145405	6.7	16
131	Light-promoted conversion of greenhouse gases over plasmonic metal-barbide nanocomposite catalysts. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 580-584	7.8	16
130	Ultrafast phonon dynamics of epitaxial atomic layers of Bi on Si(111). <i>Physical Review B</i> , 2015 , 91,	3.3	16
129	Plasmon-mediated photothermal conversion by TiN nanocubes toward CO oxidation under solar light illumination. <i>RSC Advances</i> , 2016 , 6, 110566-110570	3.7	16
128	Surface electronic transport on silicon: donor- and acceptor-type adsorbates on Si(111)-BB-Ag substrate. <i>Applied Surface Science</i> , 2000 , 162-163, 42-47	6.7	15
127	Narrow-Band Thermal Emitter with Titanium Nitride Thin Film Demonstrating High Temperature Stability. <i>Advanced Optical Materials</i> , 2020 , 8, 1900982	8.1	14
126	Oxygen adsorption on LaB6 (100) and (111) surfaces. <i>Surface Science</i> , 1996 , 357-358, 708-711	1.8	14
125	Construction of a high-resolution electron energy loss spectrometer. <i>Review of Scientific Instruments</i> , 1994 , 65, 515-516	1.7	14
124	Marimo-Bead-Supported Core-Shell Nanocomposites of Titanium Nitride and Chromium-Doped Titanium Dioxide as a Highly Efficient Water-Floatable Green Photocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31327-31339	9.5	13
123	MEMS-Based Wavelength-Selective Bolometers. <i>Micromachines</i> , 2019 , 10,	3.3	13
122	Growth mode and electrical conductance of Ag atomic layers on Si(001) surface. <i>Surface Science</i> , 2001 , 493, 389-398	1.8	12
121	Selective thermal emitters with infrared plasmonic indium tin oxide working in the atmosphere. <i>Optical Materials Express</i> , 2019 , 9, 2534	2.6	12
120	Mid-infrared optical and electrical properties of indium tin oxide films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1600467	1.6	11
119	Synthesis, structural, and electrical characterization of RuO2 sol-gel spin-coating nano-films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10791-10797	2.1	11
118	Deformation of boron networks at the LaB6(111) surface. <i>Surface Science</i> , 1998 , 416, 363-370	1.8	11
117	Exchange-Correlation Effects on Low-Dimensional Plasmons in an Array of Metallic Quantum Wires. <i>Materials Transactions</i> , 2007 , 48, 718-721	1.3	11
116	Fluorine etching on the Si()-7 $\sqrt{3}$ surfaces using fluorinated fullerene. <i>Surface Science</i> , 2002 , 521, 43-48	1.8	11
115	Wavelength-selective spin-current generator using infrared plasmonic metamaterials. <i>APL Photonics</i> , 2017 , 2, 106103	5.2	10

114	Dual-band in situ molecular spectroscopy using single-sized Al-disk perfect absorbers. <i>Nanoscale</i> , 2019 , 11, 9508-9517	7.7	10
113	Self-assembled polycarbazole microspheres as single-component, white-colour resonant photoemitters. <i>RSC Advances</i> , 2016 , 6, 52854-52857	3.7	10
112	Carbon nanotube mat as substrate for ZnO nanotip field emitters. <i>RSC Advances</i> , 2012 , 2, 2713	3.7	10
111	Low-energy plasmons in quantum-well and surface states of metallic thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	10
110	Diffraction from small antiphase domains: $\sqrt{3}\sqrt{3}$, $\sqrt{3}\sqrt{3}$, $\sqrt{3}\sqrt{3}$ phases of Au adsorbed Si(111). <i>Applied Surface Science</i> , 1998 , 130-132, 47-53	6.7	10
109	Comparative Study of Atomic and Electronic Structures of P and Bi Nanofilms. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 7824-7828	1.4	10
108	Step-by-step cooling of a two-dimensional Na gas on the Si(111)-(7 \times 7) surface. <i>Physical Review B</i> , 2004 , 70,	3.3	10
107	Construction of an ELS-NEED: an electron energy-loss spectrometer with electrostatic two-dimensional angular scanning. <i>Surface and Interface Analysis</i> , 2000 , 30, 488-492	1.5	10
106	Surface Electrical Conduction Correlated with Surface Structures and Atom Dynamics. <i>Surface Review and Letters</i> , 1998 , 05, 803-819	1.1	10
105	Far-field and near-field monitoring of hybridized optical modes from Au nanoprisms suspended on a graphene/Si nanopillar array. <i>Nanoscale</i> , 2017 , 9, 16950-16959	7.7	9
104	Design of a silicon-based plasmonic optical sensor for magnetic field monitoring in the infrared. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 117, 363-368	1.9	9
103	Terahertz-induced acceleration of massive Dirac electrons in semimetal bismuth. <i>Scientific Reports</i> , 2015 , 5, 15870	4.9	9
102	Excitation Induced Tunable Emission in Ce ³⁺ /Eu ³⁺ Codoped BiPO ₄ Nanophosphors. <i>Journal of Spectroscopy</i> , 2015 , 2015, 1-10	1.5	9
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