

# Yuh-Lin Wang

## List of Publications by Year in descending order

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158  
papers

5,317  
citations

109137

35  
h-index

95083

68  
g-index

160  
all docs

160  
docs citations

160  
times ranked

6865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Active and Stable Hybrid Catalyst of Cobalt-Doped FeS <sub>2</sub> Nanosheets@Carbon Nanotubes for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 1587-1592.	6.6	800
2	Highly Raman-Enhancing Substrates Based on Silver Nanoparticle Arrays with Tunable Sub-10nm Gaps. <i>Advanced Materials</i> , 2006, 18, 491-495.	11.1	469
3	Functionalized arrays of Raman-enhancing nanoparticles for capture and culture-free analysis of bacteria in human blood. <i>Nature Communications</i> , 2011, 2, 538.	5.8	232
4	Enhanced Performance and Stability of a Polymer Solar Cell by Incorporation of Vertically Aligned, Cross-Linked Fullerene Nanorods. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9386-9390.	7.2	162
5	Ultra-High-Responsivity Broadband Detection of Si Metal-Semiconductor-Metal Schottky Photodetectors Improved by ZnO Nanorod Arrays. <i>ACS Nano</i> , 2011, 5, 7748-7753.	7.3	145
6	A High Speed Detection Platform Based on Surface-Enhanced Raman Scattering for Monitoring Antibiotic-Induced Chemical Changes in Bacteria Cell Wall. <i>PLoS ONE</i> , 2009, 4, e5470.	1.1	144
7	Ordered anodic alumina nanochannels on focused-ion-beam-prepatterned aluminum surfaces. <i>Applied Physics Letters</i> , 2001, 78, 120-122.	1.5	138
8	Self-organized two-dimensional lattice of magic clusters. <i>Physical Review B</i> , 2001, 64, .	1.1	122
9	Rapid bacterial antibiotic susceptibility test based on simple surface-enhanced Raman spectroscopic biomarkers. <i>Scientific Reports</i> , 2016, 6, 23375.	1.6	96
10	Ordered polythiophene/fullerene composite core-shell nanorod arrays for solar cell applications. <i>Nanotechnology</i> , 2009, 20, 075201.	1.3	92
11	High-speed focused-ion-beam patterning for guiding the growth of anodic alumina nanochannel arrays. <i>Applied Physics Letters</i> , 2003, 82, 1281-1283.	1.5	81
12	Direct Observation of Two Dimensional Magic Clusters. <i>Physical Review Letters</i> , 1998, 81, 164-167.	2.9	77
13	Real-time observation of ripple structure formation on a diamond surface under focused ion-beam bombardment. <i>Physical Review B</i> , 2001, 63, .	1.1	76
14	FePt nanodendrites with high-index facets as active electrocatalysts for oxygen reduction reaction. <i>Nano Energy</i> , 2015, 11, 631-639.	8.2	67
15	A Strategy to Create Spin-Split Metallic Bands on Silicon Using a Dense Alloy Layer. <i>Scientific Reports</i> , 2014, 4, 4742.	1.6	65
16	Faceting phase transitions of Mo(111) induced by Pd, Au and oxygen overlayers. <i>Surface Science</i> , 1995, 327, 17-32.	0.8	63
17	Enhanced dynamic annealing in Ga <sup>+</sup> ion-implanted GaN nanowires. <i>Applied Physics Letters</i> , 2003, 82, 451-453.	1.5	63
18	Looking into Meta-Atoms of Plasmonic Nanowire Metamaterial. <i>Nano Letters</i> , 2014, 14, 4971-4976.	4.5	57

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19	Scanning ion microscopy: Elemental maps at high lateral resolution. Applied Surface Science, 1986, 26, 249-264.	3.1	56
20	Structure Determination of Surface Magic Clusters. Physical Review Letters, 2004, 92, 066103.	2.9	56
21	Antibiotic Susceptibility Test with Surface-Enhanced Raman Scattering in a Microfluidic System. Analytical Chemistry, 2019, 91, 10988-10995.	3.2	56
22	Fabrication of Anodic-Alumina Films with Custom-Designed Arrays of Nanochannels. Advanced Materials, 2005, 17, 222-225.	11.1	54
23	High-Resolution Scanning-Ion-Microprobe Study of Graphite and its Intercalation Compounds. Physical Review Letters, 1985, 54, 2615-2618.	2.9	53
24	Aspects of high resolution imaging with a scanning ion microprobe. Ultramicroscopy, 1988, 24, 97-113.	0.8	51
25	Fabrication of Gold Nanoparticles/Graphene-PDDA Nanohybrids for Bio-detection by SERS Nanotechnology. Nanoscale Research Letters, 2015, 10, 397.	3.1	51
26	Periodic Si nanopillar arrays by anodic aluminum oxide template and catalytic etching for broadband and omnidirectional light harvesting. Optics Express, 2012, 20, A94.	1.7	49
27	Hydrogen chemisorption and thermal desorption on the diamond C(111) surface. Journal of Chemical Physics, 1997, 107, 7543-7558.	1.2	45
28	Nanostructured Nanorod Arrays Presenting $\text{TiO}_2$ Nanorods/Poly(3-hexylthiophene) for Solar Cells Application. Journal of Nanoscience and Nanotechnology, 2011, 11, 3229-3234.	0.9	45
29	Imaging visible light using anisotropic metamaterial slab lens. Optics Express, 2009, 17, 22380.	1.7	44
30	Anomalously enhanced Raman scattering from longitudinal optical phonons on Ag-nanoparticle-covered GaN and ZnO. Applied Physics Letters, 2010, 96, 033109.	1.5	44
31	Practical resolution limits of imaging microanalysis with a scanning ion microprobe. Applied Surface Science, 1988, 32, 10-32.	3.1	42
32	SERS Detection of Biomolecules by Highly Sensitive and Reproducible Raman-Enhancing Nanoparticle Array. Nanoscale Research Letters, 2017, 12, 344.	3.1	42
33	Design, fabrication and characterization of indefinite metamaterials of nanowires. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3434-3446.	1.6	41
34	Aligned aluminophosphate molecular sieves crystallized on floating anodized alumina by hydrothermal microwave heating. Advanced Materials, 1997, 9, 1154-1157.	11.1	40
35	Hexagonal-to-cubic phase transformation in GaN nanowires by Ga <sup>+</sup> implantation. Applied Physics Letters, 2004, 84, 5473-5475.	1.5	38
36	Semiconductor lasers fabricated by selective area epitaxy. Electronics Letters, 1991, 27, 1324.	0.5	34

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37	HIGH SPATIAL RESOLUTION SIMS WITH THE UC-HRL SCANNING ION MICROPROBE. Journal De Physique Colloque, 1984, 45, C9-197-C9-205.	0.2	33
38	Blueshift of yellow luminescence band in self-ion-implanted n-GaN nanowire. Applied Physics Letters, 2004, 84, 3486-3488.	1.5	33
39	Focused-ion-beam-Based Selective Closing and Opening of Anodic Alumina Nanochannels for the Growth of Nanowire Arrays Comprising Multiple Elements. Advanced Materials, 2008, 20, 2547-2551.	11.1	33
40	Gallium-induced nanostructures on Si(111): From magic clusters to incommensurate structures. Physical Review B, 1999, 60, 1764-1770.	1.1	32
41	Light scattering from 2D arrays of monodispersed Ag-nanoparticles separated by tunable nano-gaps: spectral evolution and analytical analysis of plasmonic coupling. Optics Express, 2008, 16, 15312.	1.7	32
42	Label-free and culture-free microbe detection by three dimensional hot-junctions of flexible Raman-enhancing nanohybrid platelets. Journal of Materials Chemistry B, 2014, 2, 1136-1143.	2.9	32
43	Speciation Analysis of Cr(VI) and Cr(III) in Water with Surface-Enhanced Raman Spectroscopy. ACS Omega, 2021, 6, 2052-2059.	1.6	32
44	Stepwise self-assembly of C60 mediated by atomic scale moiré magnifiers. Nature Communications, 2013, 4, 1679.	5.8	31
45	Order-disorder transition of anodic alumina nanochannel arrays grown under the guidance of focused-ion-beam patterning. Applied Physics Letters, 2004, 84, 2509-2511.	1.5	30
46	Rapid antibiotic susceptibility testing of bacteria from patients' blood via assaying bacterial metabolic response with surface-enhanced Raman spectroscopy. Scientific Reports, 2020, 10, 12538.	1.6	30
47	Selective SERS Detecting of Hydrophobic Microorganisms by Tricomponent Nanohybrids of Silver-Silicate-Platelet-Surfactant. ACS Applied Materials & Interfaces, 2014, 6, 1541-1549.	4.0	29
48	Focused ion beam microlithography using an etch-stop process in gallium-doped silicon. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1983, 1, 1056.	1.6	28
49	Biomimetic Synthesis of Silica Films Directed by Polypeptide Brushes. Chemistry of Materials, 2008, 20, 6148-6156.	3.2	28
50	Imaging microanalysis of surfaces with a focused gallium probe. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1988, 6, 910.	1.6	27
51	Vacuum lithography for in situ fabrication of buried semiconductor microstructures. Applied Physics Letters, 1990, 57, 1672-1674.	1.5	27
52	Optical and electrical properties of InP/InGaAs grown selectively on SiO <sub>2</sub> -masked InP. Applied Physics Letters, 1991, 59, 443-445.	1.5	27
53	Transparent Raman-enhancing substrates for microbiological monitoring and in situ pollutant detection. Nanotechnology, 2011, 22, 385702.	1.3	26
54	Quantification of biomolecules responsible for biomarkers in the surface-enhanced Raman spectra of bacteria using liquid chromatography-mass spectrometry. Physical Chemistry Chemical Physics, 2018, 20, 8032-8041.	1.3	26

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55	Bacteria encapsulation and rapid antibiotic susceptibility test using a microfluidic microwell device integrating surface-enhanced Raman scattering. Lab on A Chip, 2020, 20, 2520-2528.	3.1	25
56	Random and ordered arrays of surface magic clusters. International Reviews in Physical Chemistry, 2008, 27, 317-360.	0.9	24
57	Inverted heterojunction solar cells incorporating fullerene/polythiophene composite core/shell nanorod arrays. Nanotechnology, 2010, 21, 145203.	1.3	23
58	Core-shell of FePt@SiO <sub>2</sub> -Au magnetic nanoparticles for rapid SERS detection. Nanoscale Research Letters, 2015, 10, 412.	3.1	23
59	Secondary ion imaging in the scanning ion microscope. Nuclear Instruments & Methods in Physics Research, 1983, 218, 368-374.	0.9	22
60	Role of native oxide layers in the patterning of InP by Ga ion beam writing and ion beam assisted Cl <sub>2</sub> etching. Applied Physics Letters, 1990, 56, 749-751.	1.5	21
61	Mechanism of nanoblisters formation in Ga <sup>+</sup> self-ion implanted GaN nanowires. Applied Physics Letters, 2005, 86, 203119.	1.5	21
62	First Observation of Physically Capturing and Maneuvering Bacteria using Magnetic Clays. ACS Applied Materials & Interfaces, 2016, 8, 411-418.	4.0	21
63	Buried heterostructure lasers fabricated by in situ processing techniques. Applied Physics Letters, 1990, 57, 1864-1866.	1.5	20
64	Long-range ordered nanoaperture array with uniform diameter and interpore spacing. Applied Physics Letters, 2005, 87, 173116.	1.5	20
65	Ordered arrays of Ag nanoparticles grown by constrained self-organization. Applied Physics Letters, 2006, 89, 163110.	1.5	20
66	Unraveling near-field origin of electromagnetic waves scattered from silver nanorod arrays using pseudo-spectral time-domain calculation. Optics Express, 2009, 17, 14211.	1.7	19
67	Identical-Length Nanowire Arrays in Anodic Alumina Templates. Journal of Nanoscience and Nanotechnology, 2010, 10, 8293-8297.	0.9	19
68	Vacuum lithography for three-dimensional fabrication using finely focused ion beams. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1990, 8, 1380.	1.6	18
69	Morphological changes of Si(100) induced by focused ion beam irradiation. Applied Surface Science, 1998, 135, 129-136.	3.1	18
70	Formation of surface magic clusters: a pathway to monodispersed nanostructures on surfaces. Journal of Physics Condensed Matter, 2001, 13, R589-R618.	0.7	18
71	Atomic structure and electronic properties of the In/Si(111)2 $\times$ 2 surface. Physical Review B, 2014, 89, .	1.1	18
72	Selective area growth of heterostructure bipolar transistors by metalorganic molecular beam epitaxy. Applied Physics Letters, 1992, 61, 592-594.	1.5	17

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73	Diverse magic nanoclustering in submonolayer $\text{Ti/Si(111)}$ system. <i>Surface Science</i> , 2006, 600, 1936-1941.	0.8	17
74	Spontaneous Formation of Ordered Nanobubbles in Anodic Tungsten Oxide during Anodization. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18406-18411.	1.5	17
75	Creating anodic alumina nanochannel arrays with custom-made geometry. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 11-24.	0.8	17
76	A microfluidic microwell device operated by the automated microfluidic control system for surface-enhanced Raman scattering-based antimicrobial susceptibility testing. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113483.	5.3	17
77	An antibiotic concentration gradient microfluidic device integrating surface-enhanced Raman spectroscopy for multiplex antimicrobial susceptibility testing. <i>Lab on A Chip</i> , 2022, 22, 1805-1814.	3.1	17
78	A novel procedure for measuring the absolute current density profile of a focused gallium-ion beam. <i>Applied Physics Letters</i> , 1996, 69, 2764-2766.	1.5	16
79	Spatial and temporal scaling of oxide cluster aggregation on a liquid-gallium surface. <i>Physical Review B</i> , 1996, 53, 6152-6157.	1.1	15
80	Gas-assisted focused-ion-beam lithography of a diamond (100) surface. <i>Applied Physics Letters</i> , 1999, 75, 2677-2679.	1.5	15
81	Revealing local, enhanced optical field characteristics of Au nanoparticle arrays with 10 nm gap using scattering-type scanning near-field optical microscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4275.	1.3	15
82	On-Chip Thin Film Zernike Phase Plate for In-Focus Transmission Electron Microscopy Imaging of Organic Materials. <i>ACS Nano</i> , 2013, 7, 465-470.	7.3	15
83	Sensible Functional Linear Discriminant Analysis Effectively Discriminates Enhanced Raman Spectra of <i>Mycobacterium</i> Species. <i>Analytical Chemistry</i> , 2021, 93, 2785-2792.	3.2	15
84	Microanalysis of precipitates in aluminum-lithium alloys with a scanning ion microprobe. <i>Applied Surface Science</i> , 1989, 37, 78-94.	3.1	14
85	Stable field-induced electron emission from a solidified liquid metal ion source. <i>Applied Physics Letters</i> , 1998, 72, 389-391.	1.5	14
86	Structural properties of Cu clusters on $\text{Si(111):Cu}_2\text{Si}$ magic family. <i>Surface Science</i> , 2009, 603, 2874-2878.	0.8	14
87	Feature size effects on selective area epitaxy of InGaAs. <i>Applied Physics Letters</i> , 1992, 61, 1936-1938.	1.5	13
88	Velocity and work-function dependence of secondary-ion emission. <i>Physical Review B</i> , 1988, 38, 8633-8639.	1.1	12
89	Peculiar diffusion of $\text{C}_{60}$ on In-adsorbed $\text{Si(111)}-\sqrt{3}\times\sqrt{3}$ -Au surface. <i>Surface Science</i> , 2013, 616, 44-50.	0.8	12
90	Automated quantitative analysis of lipid accumulation and hydrolysis in living macrophages with label-free imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8549-8559.	1.9	12

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91	Structural properties of Ga clusters on Si(111). Physical Review B, 2000, 61, 2699-2702.	1.1	11
92	Effects of focused gallium ion-beam implantation on properties of nanochannels on silicon-on-insulator substrates. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2288.	1.6	11
93	Fabrication of an ordered nanoparticle array with a nanoaperture membrane used as a contact-mask. Nanotechnology, 2006, 17, 315-319.	1.3	11
94	Study of Signal-to-Background Ratio of Surface-Enhanced Raman Scattering: Dependences on Excitation Wavelength and Hot-Spot Gap. Journal of Physical Chemistry C, 2017, 121, 26438-26445.	1.5	11
95	A particle-based microfluidic molecular separation integrating surface-enhanced Raman scattering sensing for purine derivatives analysis. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	11
96	Metal/semiconductor incommensurate structure with a rare domain configuration exhibiting p31m symmetry. Physical Review B, 2000, 61, 12608-12611.	1.1	10
97	Probing surface plasmons in individual Ag nanoparticles in the ultra-violet spectral regime. Nanotechnology, 2009, 20, 235705.	1.3	10
98	Dim C60 fullerenes on Si(111)  $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle \tilde{\text{A}} \langle \text{mml:mo} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:math} \rangle$ surface. Surface Science, 2013, 612, 31-36.	1.3	10
99	Formation and in situ dynamics of metallic nanoblisters in Ga-implanted GaN nanowires. Nanotechnology, 2005, 16, 2764-2769.	1.3	9
100	Rapid Formation of Nanoclusters for Detection of Drugs in Urine Using Surface-Enhanced Raman Spectroscopy. Nanomaterials, 2021, 11, 1789.	1.9	9
101	Thermometric lateral flow immunoassay with colored latex beads as reporters for COVID-19 testing. Scientific Reports, 2022, 12, 3905.	1.6	9
102	Autocatalytic Reaction in Hydrolysis of Difructose Anhydride III. Journal of Physical Chemistry A, 2011, 115, 10309-10314.	1.1	8
103	Directional Etching of Silicon by Silver Nanostructures. Applied Physics Express, 2011, 4, 025001.	1.1	8
104	Mesoporous Silica Nanospheres Decorated by Ag Nanoparticle Arrays with 5 nm Interparticle Gap Exhibit Insignificant Hot-Spot Raman Enhancing Effect. Journal of Physical Chemistry C, 2019, 123, 18528-18535.	1.5	8
105	Novel strategy for flexible and super-hydrophobic SERS substrate fabricated by deposited gold nanoislands on organic semiconductor nanostructures for bio-detection. Surface and Coatings Technology, 2022, 435, 128251.	2.2	8
106	Emission properties of a dual ion/electron source based on Au-In alloy. Applied Physics Letters, 2002, 80, 1480-1482.	1.5	7
107	High speed fabrication of aluminum nanostructures with 10 nm spatial resolution by electrochemical replication. Nanotechnology, 2008, 19, 355302.	1.3	7
108	Electrochemically replicated smooth aluminum foils for anodic alumina nanochannel arrays. Nanotechnology, 2008, 19, 015304.	1.3	7



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109	Focused Ion Beam Induced Nanojunction and Defect Doping as a Building Block for Nanoscale Electronics in GaN Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15260-15265.	1.5	7
110	Dependence of Adenine Raman Spectrum on Excitation Laser Wavelength: Comparison between Experiment and Theoretical Simulations. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8114-8122.	1.1	7
111	From C60 to C <sub>60</sub> to C <sub>60</sub> Self-assembly of 2D fullerene nanostructures on metal-covered silicon and germanium. <i>Journal of Chemical Physics</i> , 2018, 149, 034702.	1.2	7
112	Operation of a single column focused ion/electron beam system based on a dual ion/electron source. <i>Applied Physics Letters</i> , 1998, 73, 2212-2214.	1.5	6
113	Emission properties of a dual ion/electron point emitter based on InBi alloy. <i>Applied Physics Letters</i> , 2003, 83, 2277-2279.	1.5	6
114	Enhanced growth of anodic alumina nanochannels on Ga-ion pre-irradiated aluminum. <i>Journal of Vacuum Science &amp; Technology B</i> , 2008, 26, 651-654.	1.3	6
115	Flux dependent MeV self-ion-induced effects on Au nanostructures: dramatic mass transport and nanosilicide formation. <i>Nanotechnology</i> , 2008, 19, 325602.	1.3	6
116	Tip-enhanced Raman spectroscopy of graphite irradiated by focused ion beam. <i>Optics Letters</i> , 2009, 34, 2246.	1.7	6
117	Interplay between adsorbed C60 fullerenes and point defects on a Si(111) reconstructed surface. <i>Surface Science</i> , 2011, 605, 2050-2054.	0.8	6
118	A novel vertical fan-out platform based on an array of curved anodic alumina nanochannels. <i>Nanotechnology</i> , 2013, 24, 055306.	1.3	6
119	Enhancing bright-field image of microorganisms by local plasmon of Ag nanoparticle array. <i>Optics Letters</i> , 2014, 39, 1173.	1.7	6
120	Rapid detection of copper chlorophyll in vegetable oils based on surface-enhanced Raman spectroscopy. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 627-34.	1.1	6
121	Application of microscopic probes to the study of graphite intercalation compounds. <i>Synthetic Metals</i> , 1985, 12, 73-78.	2.1	5
122	Ion microprobe analysis of laser-deposited YBaCu thin film: Effects of anneal temperature. <i>Journal of Materials Research</i> , 1989, 4, 1087-1092.	1.2	5
123	Oxidation of liquid gallium surface: Nonequilibrium growth kinetics in 2+1 dimensions. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 2081-2086.	0.9	5
124	Two-dimensional Ga-induced magic clusters on the Si surface: a density functional study. <i>Chemical Physics Letters</i> , 2000, 318, 27-34.	1.2	5
125	Custom-designed arrays of anodic alumina nanochannels with individually tunable pore sizes. <i>Nanotechnology</i> , 2014, 25, 335301.	1.3	5
126	Core-Shell Structure of Gold Nanoparticles with Inositol Hexaphosphate Nanohybrids for Label-Free and Rapid Detection by SERS Nanotechnology. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	1.5	5



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127	Double Resonance SERS Substrates: Ag Nanoparticles on Grating. Journal of Physical Chemistry C, 2021, 125, 27267-27274.	1.5	5
128	High lateral resolution SIMS mapping of meteorite chondrule. Nuclear Instruments & Methods in Physics Research B, 1985, 10-11, 716-718.	0.6	4
129	On the optimization of ion microprobes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1990, 8, 95.	1.6	4
130	Atomic dynamics of In nanoclusters onSi(100). Physical Review B, 2006, 74, .	1.1	4
131	Hybrid SVM/CART classification of pathogenic species of bacterial meningitis with surface-enhanced Raman scattering. , 2010, , .		4
132	Morphological evolution of porous nanostructures grown from a single isolated anodic alumina nanochannel. Nanotechnology, 2011, 22, 365303.	1.3	4
133	Effect of weak uniform frustration on the resistive transition in a Josephson junction array. Solid State Communications, 1988, 65, 977-980.	0.9	3
134	Nanofabrication on InP using focused ion beam lithography and Cl <sub>2</sub> etching: process and control. Materials Chemistry and Physics, 1993, 33, 158-164.	2.0	3
135	Characterization of Nanodome on GaN Nanowires Formed with Ga Ion Irradiation. Materials Transactions, 2004, 45, 435-439.	0.4	3
136	Metal contact formation by microdeposition of nondestructive particles from focused ion beam sputtering. Journal of Vacuum Science & Technology B, 2007, 25, L1.	1.3	3
137	Broken Even-Odd Symmetry in Self-Selection of Distances between Nanoclusters due to the Presence or Absence of Topological Solitons. Physical Review Letters, 2011, 106, 166101.	2.9	3
138	O-Glycosidic bond exocyclic cleavage of difructose led by acidic proton migration: Density functional theory calculation study. Chemical Physics Letters, 2012, 550, 67-72.	1.2	3
139	Retrieving Plasmonic Enhancement Factor with Optical Thermometry. Journal of Physical Chemistry C, 2020, 124, 27673-27679.	1.5	3
140	Imaging microanalysis of materials with a finely focused heavy-ion probe. Journal of Research of the National Bureau of Standards (United States), 1988, 93, 377.	0.3	3
141	Rapid identification of nicotine in electronic cigarette liquids based on surface-enhanced Raman scattering. Journal of Food and Drug Analysis, 2020, 28, 302-308.	0.9	3
142	Design and implementation of a low-cost portable reader for thermometric lateral flow immunoassay. Journal of the Chinese Chemical Society, 2022, 69, 1356-1365.	0.8	3
143	Chemical characterization of electronic microstructures with sub-100 nm lateral resolution. Microelectronic Engineering, 1989, 9, 391-399.	1.1	2
144	Optical properties of InGaAs/InP semiconductor nanostructures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1990, 8, 1371.	1.6	2

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145	On the optical properties of an electrostatic retarding field lens. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 406-411.	0.9	2
146	Cooperative phenomena in self-assembled nucleation of 3Å–4In/Si(100) surface magic clusters. Surface Science, 2010, 604, 1116-1120.	0.8	2
147	Atomically-resolved interlayer charge ordering and its interplay with superconductivity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.81</sub> . Nature Communications, 2021, 12, 3893.	5.8	2
148	Ion microprobe characterization of e-beam deposited YBaCu(F)O films: Effects of post-deposition processing. Physica C: Superconductivity and Its Applications, 1989, 162-164, 75-76.	0.6	1
149	Selective Area Epitaxy for Optoelectronic Devices. Materials Research Society Symposia Proceedings, 1993, 300, 89.	0.1	1
150	Pseudospectral Modeling of Nano-Optics in Ag Sphere Arrays. Journal of Scientific Computing, 2010, 45, 429-446.	1.1	1
151	Photoluminescence from quasi-dendritic ZnO nanostructures grown in anodic alumina nanochannels. Materials Research Express, 2015, 2, 115004.	0.8	1
152	Multichamber processing for optoelectronics. Microelectronic Engineering, 1994, 25, 255-264.	1.1	0
153	<title>Two-dimensional lattices of identical nanostructures grown through the self-organization of surface-magic-clusters</title>. , 2003, , .		0
154	Lattice of surface-magic-clusters: an ordered array of identical nanostructures. , 0, , .		0
155	Prolonged electron emission as a method to fabricate a stable and bright dual ion/electron point source. Applied Physics Letters, 2005, 87, 194107.	1.5	0
156	Uniformly enhanced Raman scattering on arrays of silver nanoparticles separated by 5 nm gaps. , 2006, , .		0
157	Femtosecond Pulse Shaping by Ag Nanoparticle Arrays: Plasmon-Enhanced Absorption Saturation. , 2009, , .		0
158	Functionalized Arrays of Raman-Enhancing Nanoparticles for Capture and Culture-Free Analysis of Bacteria in Human Blood. , 2012, , .		0