

Yuh-Lin Wang

List of Publications by Year in descending order

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158
papers

5,317
citations

109137

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docs citations

160
times ranked

6865
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Thermometric lateral flow immunoassay with colored latex beads as reporters for COVID-19 testing. <i>Scientific Reports</i> , 2022, 12, 3905.	1.6	9
3	Novel strategy for flexible and super-hydrophobic SERS substrate fabricated by deposited gold nanoislands on organic semiconductor nanostructures for bio-detection. <i>Surface and Coatings Technology</i> , 2022, 435, 128251.	2.2	8
4	Design and implementation of a low-cost portable reader for thermometric lateral flow immunoassay. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1356-1365.	0.8	3
5	Speciation Analysis of Cr(VI) and Cr(III) in Water with Surface-Enhanced Raman Spectroscopy. <i>ACS Omega</i> , 2021, 6, 2052-2059.	1.6	32
6	Atomically-resolved interlayer charge ordering and its interplay with superconductivity in YBa ₂ Cu ₃ O _{6.81} . <i>Nature Communications</i> , 2021, 12, 3893.	5.8	2
7	Rapid Formation of Nanoclusters for Detection of Drugs in Urine Using Surface-Enhanced Raman Spectroscopy. <i>Nanomaterials</i> , 2021, 11, 1789.	1.9	9
8	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
9	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
10	Double Resonance SERS Substrates: Ag Nanoparticles on Grating. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27267-27274.	1.5	5
11	Creating anodic alumina nanochannel arrays with custom-made geometry. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 11-24.	0.8	17
12	Rapid antibiotic susceptibility testing of bacteria from patients' blood via assaying bacterial metabolic response with surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2020, 10, 12538.	1.6	30
13	Retrieving Plasmonic Enhancement Factor with Optical Thermometry. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27673-27679.	1.5	3
14	Bacteria encapsulation and rapid antibiotic susceptibility test using a microfluidic microwell device integrating surface-enhanced Raman scattering. <i>Lab on A Chip</i> , 2020, 20, 2520-2528.	3.1	25
15	Rapid identification of nicotine in electronic cigarette liquids based on surface-enhanced Raman scattering. <i>Journal of Food and Drug Analysis</i> , 2020, 28, 302-308.	0.9	3
16	Antibiotic Susceptibility Test with Surface-Enhanced Raman Scattering in a Microfluidic System. <i>Analytical Chemistry</i> , 2019, 91, 10988-10995.	3.2	56
17	Mesoporous Silica Nanospheres Decorated by Ag Nanoparticle Arrays with 5 nm Interparticle Gap Exhibit Insignificant Hot-Spot Raman Enhancing Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18528-18535.	1.5	8
18	A particle-based microfluidic molecular separation integrating surface-enhanced Raman scattering sensing for purine derivatives analysis. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	11

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19	Quantification of biomolecules responsible for biomarkers in the surface-enhanced Raman spectra of bacteria using liquid chromatography-mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8032-8041.	1.3	26
20	From C60 to C70: Self-assembly of 2D fullerene nanostructures on metal-covered silicon and germanium. <i>Journal of Chemical Physics</i> , 2018, 149, 034702.	1.2	7
21	SERS Detection of Biomolecules by Highly Sensitive and Reproducible Raman-Enhancing Nanoparticle Array. <i>Nanoscale Research Letters</i> , 2017, 12, 344.	3.1	42
22	Study of Signal-to-Background Ratio of Surface-Enhanced Raman Scattering: Dependences on Excitation Wavelength and Hot-Spot Gap. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26438-26445.	1.5	11
23	Rapid bacterial antibiotic susceptibility test based on simple surface-enhanced Raman spectroscopic biomarkers. <i>Scientific Reports</i> , 2016, 6, 23375.	1.6	96
24	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
25	First Observation of Physically Capturing and Maneuvering Bacteria using Magnetic Clays. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 411-418.	4.0	21
26	Photoluminescence from quasi-dendritic ZnO nanostructures grown in anodic alumina nanochannels. <i>Materials Research Express</i> , 2015, 2, 115004.	0.8	1
27	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
28	Core-shell of FePt@SiO ₂ -Au magnetic nanoparticles for rapid SERS detection. <i>Nanoscale Research Letters</i> , 2015, 10, 412.	3.1	23
29	Highly Active and Stable Hybrid Catalyst of Cobalt-Doped FeS ₂ Nanosheets@Carbon Nanotubes for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 1587-1592.	6.6	800
30	Fabrication of Gold Nanoparticles/Graphene-PDDA Nanohybrids for Bio-detection by SERS Nanotechnology. <i>Nanoscale Research Letters</i> , 2015, 10, 397.	3.1	51
31	FePt nanodendrites with high-index facets as active electrocatalysts for oxygen reduction reaction. <i>Nano Energy</i> , 2015, 11, 631-639.	8.2	67
32	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
33	Custom-designed arrays of anodic alumina nanochannels with individually tunable pore sizes. <i>Nanotechnology</i> , 2014, 25, 335301.	1.3	5
34	Enhancing bright-field image of microorganisms by local plasmon of Ag nanoparticle array. <i>Optics Letters</i> , 2014, 39, 1173.	1.7	6
35	Atomic structure and electronic properties of the In/Si(111)2 \times 2 surface. <i>Physical Review B</i> , 2014, 89, .	1.1	18
36	Label-free and culture-free microbe detection by three dimensional hot-junctions of flexible Raman-enhancing nanohybrid platelets. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1136-1143.	2.9	32

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37	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
38	Looking into Meta-Atoms of Plasmonic Nanowire Metamaterial. Nano Letters, 2014, 14, 4971-4976.	4.5	57
39	A Strategy to Create Spin-Split Metallic Bands on Silicon Using a Dense Alloy Layer. Scientific Reports, 2014, 4, 4742.	1.6	65
40	Stepwise self-assembly of C60 mediated by atomic scale moiré magnifiers. Nature Communications, 2013, 4, 1679.	5.8	31
41	Dim C60 fullerenes on Si(111) $\sqrt{3} \times \sqrt{3}$ Ag surface. Surface Science, 2013, 612, 31-36.	0.8	6
42	Peculiar diffusion of C60 on In-adsorbed Si(111) $\sqrt{3} \times \sqrt{3}$ -Au surface. Surface Science, 2013, 616, 44-50.	0.8	12
43	Revealing local, enhanced optical field characteristics of Au nanoparticle arrays with 10 nm gap using scattering-type scanning near-field optical microscopy. Physical Chemistry Chemical Physics, 2013, 15, 4275.	1.3	15
44	Automated quantitative analysis of lipid accumulation and hydrolysis in living macrophages with label-free imaging. Analytical and Bioanalytical Chemistry, 2013, 405, 8549-8559.	1.9	12
45	On-Chip Thin Film Zernike Phase Plate for In-Focus Transmission Electron Microscopy Imaging of Organic Materials. ACS Nano, 2013, 7, 465-470.	7.3	15
46	A novel vertical fan-out platform based on an array of curved anodic alumina nanochannels. Nanotechnology, 2013, 24, 055306.	1.3	6
47	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
48	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
49	Functionalized Arrays of Raman-Enhancing Nanoparticles for Capture and Culture-Free Analysis of Bacteria in Human Blood. , 2012, , .		0
50	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
51	Autocatalytic Reaction in Hydrolysis of Difructose Anhydride III. Journal of Physical Chemistry A, 2011, 115, 10309-10314.	1.1	8
52	Spontaneous Formation of Ordered Nanobubbles in Anodic Tungsten Oxide during Anodization. Journal of Physical Chemistry C, 2011, 115, 18406-18411.	1.5	17
53	Interplay between adsorbed C60 fullerenes and point defects on a Si(111) $\sqrt{3} \times \sqrt{3}$ reconstructed surface. Surface Science, 2011, 605, 2050-2054.	0.8	6
54	Functionalized arrays of Raman-enhancing nanoparticles for capture and culture-free analysis of bacteria in human blood. Nature Communications, 2011, 2, 538.	5.8	232

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55	Nanostructured Nanorod Arrays Presenting TiO ₂ Nanorods/Poly(3-hexylthiophene) for Solar Cells Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3229-3234.	0.9	45
56	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
57	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
58	Transparent Raman-enhancing substrates for microbiological monitoring and in situ pollutant detection. <i>Nanotechnology</i> , 2011, 22, 385702.	1.3	26
59	Morphological evolution of porous nanostructures grown from a single isolated anodic alumina nanochannel. <i>Nanotechnology</i> , 2011, 22, 365303.	1.3	4
60	Broken Even-Odd Symmetry in Self-Selection of Distances between Nanoclusters due to the Presence or Absence of Topological Solitons. <i>Physical Review Letters</i> , 2011, 106, 166101.	2.9	3
61	Directional Etching of Silicon by Silver Nanostructures. <i>Applied Physics Express</i> , 2011, 4, 025001.	1.1	8
62	Identical-Length Nanowire Arrays in Anodic Alumina Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8293-8297.	0.9	19
63	Pseudospectral Modeling of Nano-Optics in Ag-Sphere Arrays. <i>Journal of Scientific Computing</i> , 2010, 45, 429-446.	1.1	1
64	Cooperative phenomena in self-assembled nucleation of 3-4-In/Si(100) surface magic clusters. <i>Surface Science</i> , 2010, 604, 1116-1120.	0.8	2
65	Inverted heterojunction solar cells incorporating fullerene/polythiophene composite core/shell nanorod arrays. <i>Nanotechnology</i> , 2010, 21, 145203.	1.3	23
66	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
67	Anomalous enhanced Raman scattering from longitudinal optical phonons on Ag-nanoparticle-covered GaN and ZnO. <i>Applied Physics Letters</i> , 2010, 96, 033109.	1.5	44
68	Hybrid SVM/CART classification of pathogenic species of bacterial meningitis with surface-enhanced Raman scattering. , 2010, , .		4
69	Femtosecond Pulse Shaping by Ag Nanoparticle Arrays: Plasmon-Enhanced Absorption Saturation. , 2009, , .		0
70	Probing surface plasmons in individual Ag nanoparticles in the ultra-violet spectral regime. <i>Nanotechnology</i> , 2009, 20, 235705.	1.3	10
71	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
72	Structural properties of Cu clusters on Si(111):Cu ₂ Si magic family. <i>Surface Science</i> , 2009, 603, 2874-2878.	0.8	14

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73	Tip-enhanced Raman spectroscopy of graphite irradiated by focused ion beam. Optics Letters, 2009, 34, 2246.	1.7	6
74	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
75	Imaging visible light using anisotropic metamaterial slab lens. Optics Express, 2009, 17, 22380.	1.7	44
76	Ordered polythiophene/fullerene composite core-shell nanorod arrays for solar cell applications. Nanotechnology, 2009, 20, 075201.	1.3	92
77	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
78	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
79	Biomimetic Synthesis of Silica Films Directed by Polypeptide Brushes. Chemistry of Materials, 2008, 20, 6148-6156.	3.2	28
80	Random and ordered arrays of surface magic clusters. International Reviews in Physical Chemistry, 2008, 27, 317-360.	0.9	24
81	Enhanced growth of anodic alumina nanochannels on Ga-ion pre-irradiated aluminum. Journal of Vacuum Science & Technology B, 2008, 26, 651-654.	1.3	6
82	Flux dependent MeV self-ion-induced effects on Au nanostructures: dramatic mass transport and nanosilicide formation. Nanotechnology, 2008, 19, 325602.	1.3	6
83	High speed fabrication of aluminum nanostructures with 10 nm spatial resolution by electrochemical replication. Nanotechnology, 2008, 19, 355302.	1.3	7
84	Electrochemically replicated smooth aluminum foils for anodic alumina nanochannel arrays. Nanotechnology, 2008, 19, 015304.	1.3	7
85	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
86	Ordered arrays of Ag nanoparticles grown by constrained self-organization. Applied Physics Letters, 2006, 89, 163110.	1.5	20
87	Uniformly enhanced Raman scattering on arrays of silver nanoparticles separated by 5 nm gaps. , 2006, , .		0
88	Diverse magic nanoclustering in submonolayer Ti/Si(111) system. Surface Science, 2006, 600, 1936-1941.	0.8	17
89	Highly Raman-Enhancing Substrates Based on Silver Nanoparticle Arrays with Tunable Sub-10nm Gaps. Advanced Materials, 2006, 18, 491-495.	11.1	469
90	Fabrication of an ordered nanoparticle array with a nanoaperture membrane used as a contact-mask. Nanotechnology, 2006, 17, 315-319.	1.3	11

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91	Atomic dynamics of In nanoclusters on Si(100). Physical Review B, 2006, 74, .	1.1	4
92	Fabrication of Anodic-Alumina Films with Custom-Designed Arrays of Nanochannels. Advanced Materials, 2005, 17, 222-225.	11.1	54
93	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
94	Formation and in situ dynamics of metallic nanoblisters in Ga+ implanted GaN nanowires. Nanotechnology, 2005, 16, 2764-2769.	1.3	9
95	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
96	Long-range ordered nanoaperture array with uniform diameter and interpore spacing. Applied Physics Letters, 2005, 87, 173116.	1.5	20
97	Mechanism of nanobliester formation in Ga+ self-ion implanted GaN nanowires. Applied Physics Letters, 2005, 86, 203119.	1.5	21
98	Blueshift of yellow luminescence band in self-ion-implanted n-GaN nanowire. Applied Physics Letters, 2004, 84, 3486-3488.	1.5	33
99	Hexagonal-to-cubic phase transformation in GaN nanowires by Ga+ implantation. Applied Physics Letters, 2004, 84, 5473-5475.	1.5	38
100	Structure Determination of Surface Magic Clusters. Physical Review Letters, 2004, 92, 066103.	2.9	56
101	Order-to-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
102	Characterization of Nanodome on GaN Nanowires Formed with Ga Ion Irradiation. Materials Transactions, 2004, 45, 435-439.	0.4	3
103	Enhanced dynamic annealing in Ga+ ion-implanted GaN nanowires. Applied Physics Letters, 2003, 82, 451-453.	1.5	63
104	Emission properties of a dual ion/electron point emitter based on In _{0.5} Bi _{0.5} alloy. Applied Physics Letters, 2003, 83, 2277-2279.	1.5	6
105	High-speed focused-ion-beam patterning for guiding the growth of anodic alumina nanochannel arrays. Applied Physics Letters, 2003, 82, 1281-1283.	1.5	81
106	<title>Two-dimensional lattices of identical nanostructures grown through the self-organization of surface-magic-clusters</title>. , 2003, , .		0
107	Emission properties of a dual ion/electron source based on Au _{0.5} In _{0.5} alloy. Applied Physics Letters, 2002, 80, 1480-1482.	1.5	7
108	Real-time observation of ripple structure formation on a diamond surface under focused ion-beam bombardment. Physical Review B, 2001, 63, .	1.1	76

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109	Ordered anodic alumina nanochannels on focused-ion-beam-prepatterned aluminum surfaces. Applied Physics Letters, 2001, 78, 120-122.	1.5	138
110	Formation of surface magic clusters: a pathway to monodispersed nanostructures on surfaces. Journal of Physics Condensed Matter, 2001, 13, R589-R618.	0.7	18
111	Self-organized two-dimensional lattice of magic clusters. Physical Review B, 2001, 64, .	1.1	122
112	Two-dimensional Ga-induced magic clusters on the Si surface: a density functional study. Chemical Physics Letters, 2000, 318, 27-34.	1.2	5
113	Metal/semiconductor incommensurate structure with a rare domain configuration exhibiting p31m symmetry. Physical Review B, 2000, 61, 12608-12611.	1.1	10
114	Structural properties of Ga clusters on Si(111). Physical Review B, 2000, 61, 2699-2702.	1.1	11
115	Gallium-induced nanostructures on Si(111): From magic clusters to incommensurate structures. Physical Review B, 1999, 60, 1764-1770.	1.1	32
116	Gas-assisted focused-ion-beam lithography of a diamond (100) surface. Applied Physics Letters, 1999, 75, 2677-2679.	1.5	15
117	Morphological changes of Si(100) induced by focused ion beam irradiation. Applied Surface Science, 1998, 135, 129-136.	3.1	18
118	Stable field-induced electron emission from a solidified liquid metal ion source. Applied Physics Letters, 1998, 72, 389-391.	1.5	14
119	Operation of a single column focused ion/electron beam system based on a dual ion/electron source. Applied Physics Letters, 1998, 73, 2212-2214.	1.5	6
120	Direct Observation of Two Dimensional Magic Clusters. Physical Review Letters, 1998, 81, 164-167.	2.9	77
121	Hydrogen chemisorption and thermal desorption on the diamond C(111) surface. Journal of Chemical Physics, 1997, 107, 7543-7558.	1.2	45
122	Aligned aluminophosphate molecular sieves crystallized on floating anodized alumina by hydrothermal microwave heating. Advanced Materials, 1997, 9, 1154-1157.	11.1	40
123	A novel procedure for measuring the absolute current density profile of a focused gallium ion beam. Applied Physics Letters, 1996, 69, 2764-2766.	1.5	16
124	Spatial and temporal scaling of oxide cluster aggregation on a liquid-gallium surface. Physical Review B, 1996, 53, 6152-6157.	1.1	15
125	Faceting phase transitions of Mo(111) induced by Pd, Au and oxygen overlayers. Surface Science, 1995, 327, 17-32.	0.8	63
126	Oxidation of liquid gallium surface: Nonequilibrium growth kinetics in 2+1 dimensions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2081-2086.	0.9	5

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127	Multichamber processing for optoelectronics. <i>Microelectronic Engineering</i> , 1994, 25, 255-264.	1.1	0
128	Nanofabrication on InP using focused ion beam lithography and Cl ₂ etching: process and control. <i>Materials Chemistry and Physics</i> , 1993, 33, 158-164.	2.0	3
129	On the optical properties of an electrostatic retarding field lens. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1993, 11, 406-411.	0.9	2
130	Selective Area Epitaxy for Optoelectronic Devices. <i>Materials Research Society Symposia Proceedings</i> , 1993, 300, 89.	0.1	1
131	Selective area growth of heterostructure bipolar transistors by metalorganic molecular beam epitaxy. <i>Applied Physics Letters</i> , 1992, 61, 592-594.	1.5	17
132	Feature size effects on selective area epitaxy of InGaAs. <i>Applied Physics Letters</i> , 1992, 61, 1936-1938.	1.5	13
133	Semiconductor lasers fabricated by selective area epitaxy. <i>Electronics Letters</i> , 1991, 27, 1324.	0.5	34
134	Optical and electrical properties of InP/InGaAs grown selectively on SiO ₂ -masked InP. <i>Applied Physics Letters</i> , 1991, 59, 443-445.	1.5	27
135	Buried heterostructure lasers fabricated by insitu processing techniques. <i>Applied Physics Letters</i> , 1990, 57, 1864-1866.	1.5	20
136	Vacuum lithography for three-dimensional fabrication using finely focused ion beams. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1990, 8, 1380.	1.6	18
137	Role of native oxide layers in the patterning of InP by Ga ion beam writing and ion beam assisted Cl ₂ etching. <i>Applied Physics Letters</i> , 1990, 56, 749-751.	1.5	21
138	Optical properties of InGaAs/InP semiconductor nanostructures. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1990, 8, 1371.	1.6	2
139	Vacuum lithography for insitu fabrication of buried semiconductor microstructures. <i>Applied Physics Letters</i> , 1990, 57, 1672-1674.	1.5	27
140	On the optimization of ion microprobes. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1990, 8, 95.	1.6	4
141	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
142	Chemical characterization of electronic microstructures with sub-100 nm lateral resolution. <i>Microelectronic Engineering</i> , 1989, 9, 391-399.	1.1	2
143	Ion microprobe characterization of e-beam deposited YBaCu(F)O films: Effects of post-deposition processing. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 75-76.	0.6	1
144	Microanalysis of precipitates in aluminum-lithium alloys with a scanning ion microprobe. <i>Applied Surface Science</i> , 1989, 37, 78-94.	3.1	14

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145	Practical resolution limits of imaging microanalysis with a scanning ion microprobe. Applied Surface Science, 1988, 32, 10-32.	3.1	42
146	Aspects of high resolution imaging with a scanning ion microprobe. Ultramicroscopy, 1988, 24, 97-113.	0.8	51
147	Effect of weak uniform frustration on the resistive transition in a Josephson junction array. Solid State Communications, 1988, 65, 977-980.	0.9	3
148	Velocity and work-function dependence of secondary-ion emission. Physical Review B, 1988, 38, 8633-8639.	1.1	12
149	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
150	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
151	Scanning ion microscopy: Elemental maps at high lateral resolution. Applied Surface Science, 1986, 26, 249-264.	3.1	56
152	High lateral resolution SIMS mapping of meteorite chondrule. Nuclear Instruments & Methods in Physics Research B, 1985, 10-11, 716-718.	0.6	4
153	High-Resolution Scanning-Ion-Microprobe Study of Graphite and its Intercalation Compounds. Physical Review Letters, 1985, 54, 2615-2618.	2.9	53
154	Application of microscopic probes to the study of graphite intercalation compounds. Synthetic Metals, 1985, 12, 73-78.	2.1	5
155	HIGH SPATIAL RESOLUTION SIMS WITH THE UC-HRL SCANNING ION MICROPROBE. Journal De Physique Colloque, 1984, 45, C9-197-C9-205.	0.2	33
156	Secondary ion imaging in the scanning ion microscope. Nuclear Instruments & Methods in Physics Research, 1983, 218, 368-374.	0.9	22
157	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
158	Lattice of surface-magic-clusters: an ordered array of identical nanostructures. , 0, , .		0