

Janos Voros

List of Publications by Year in descending order

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Version: 2024-02-01

214
papers

16,161
citations

28736

57
h-index

20023

121
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222
all docs

222
docs citations

222
times ranked

21740
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental paradigm to investigate stimulation dependent activity in topologically constrained neuronal networks. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113896.	5.3	13
2	Topologically controlled circuits of human iPSC-derived neurons for electrophysiology recordings. <i>Lab on A Chip</i> , 2022, 22, 1386-1403.	3.1	12
3	Engineered Biological Neural Networks on High Density CMOS Microelectrode Arrays. <i>Frontiers in Neuroscience</i> , 2022, 16, 829884.	1.4	15
4	Magnetic Manipulation of Nanowires for Engineered Stretchable Electronics. <i>ACS Nano</i> , 2022, 16, 837-846.	7.3	8
5	Nanoscale Patterning of <i>In Vitro</i> Neuronal Circuits. <i>ACS Nano</i> , 2022, 16, 5731-5742.	7.3	8
6	Soft Electronics Based on Stretchable and Conductive Nanocomposites for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001397.	3.9	39
7	Ultra-Stable Molecular Sensors by Sub-Micron Referencing and Why They Should Be Interrogated by Optical Diffraction—Part I. The Concept of a Spatial Affinity Lock-in Amplifier. <i>Sensors</i> , 2021, 21, 469.	2.1	5
8	Aptamer Conformational Change Enables Serotonin Biosensing with Nanopipettes. <i>Analytical Chemistry</i> , 2021, 93, 4033-4041.	3.2	52
9	Investigating Complex Samples with Molograms of Low-Affinity Binders. <i>ACS Sensors</i> , 2021, 6, 1067-1076.	4.0	5
10	An Approach for the Real-Time Quantification of Cytosolic Protein—Protein Interactions in Living Cells. <i>ACS Sensors</i> , 2021, 6, 1572-1582.	4.0	9
11	Sensing serotonin secreted from human serotonergic neurons using aptamer-modified nanopipettes. <i>Molecular Psychiatry</i> , 2021, 26, 2753-2763.	4.1	19
12	Stretchable and suturable fibre sensors for wireless monitoring of connective tissue strain. <i>Nature Electronics</i> , 2021, 4, 291-301.	13.1	106
13	Nonspecific Binding—Fundamental Concepts and Consequences for Biosensing Applications. <i>Chemical Reviews</i> , 2021, 121, 8095-8160.	23.0	113
14	Total internal reflection focal molography (TIR-M). <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130746.	4.0	3
15	Ultra Stable Molecular Sensors by Submicron Referencing and Why They Should Be Interrogated by Optical Diffraction—Part II. Experimental Demonstration. <i>Sensors</i> , 2021, 21, 9.	2.1	11
16	Integration of silver nanowires into SU-8 hollow cantilevers for piezoresistive-based sensing. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111748.	2.0	4
17	Theoretical and Experimental Investigation of Ligand-Induced Particle—Particle Interactions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1566-1574.	1.5	4
18	Multiscale Additive Manufacturing of Metal Microstructures. <i>Advanced Engineering Materials</i> , 2020, 22, 1900961.	1.6	36

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19	An analytical method to control the surface density and stability of DNA-gold nanoparticles for an optimized biosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110650.	2.5	18
20	Additive Manufacturing of Sub-Micron to Sub-mm Metal Structures with Hollow AFM Cantilevers. <i>Micromachines</i> , 2020, 11, 6.	1.4	31
21	Opto-Electro-Mechanical: A Soft, Stretchable ECoG Array for Multimodal, Multiscale Neuroscience. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000814.	3.9	48
22	Continuous Heart Volume Monitoring by Fully Implantable Soft Strain Sensor. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000855.	3.9	27
23	Force-Controlled Formation of Dynamic Nanopores for Single-Biomolecule Sensing and Single-Cell Secretomics. <i>ACS Nano</i> , 2020, 14, 12993-13003.	7.3	9
24	Quantification of Molecular Interactions in Living Cells in Real Time using a Membrane Protein Nanopattern. <i>Analytical Chemistry</i> , 2020, 92, 8983-8991.	3.2	10
25	Visualizing and Analyzing 3D Metal Nanowire Networks for Stretchable Electronics. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000038.	1.3	9
26	Image reversal reactive immersion lithography improves the detection limit of focal molography: erratum. <i>Optics Letters</i> , 2020, 45, 918.	1.7	1
27	Localized detection of ions and biomolecules with a force-controlled scanning nanopore microscope. <i>Nature Nanotechnology</i> , 2019, 14, 791-798.	15.6	49
28	Dark-Field Microwells toward High-Throughput Direct miRNA Sensing with Gold Nanoparticles. <i>ACS Sensors</i> , 2019, 4, 1950-1956.	4.0	24
29	Principles for Sensitive and Robust Biomolecular Interaction Analysis: The Limits of Detection and Resolution of Diffraction-Limited Focal Molography. <i>Physical Review Applied</i> , 2019, 11, .	1.5	15
30	Establishing Force Spectroscopy with Lipid Vesicle Probes towards the Investigation of Membrane Fusion. <i>Biophysical Journal</i> , 2019, 116, 366a-367a.	0.2	0
31	A Versatile Protein and Cell Patterning Method Suitable for Long-Term Neural Cultures. <i>Langmuir</i> , 2019, 35, 2966-2975.	1.6	14
32	Unsupervised data to content transformation with histogram-matching cycle-consistent generative adversarial networks. <i>Nature Machine Intelligence</i> , 2019, 1, 461-470.	8.3	22
33	SU-8 Micropipettes for Gentle Single-cell Manipulation. <i>Chimia</i> , 2019, 73, 1033.	0.3	1
34	Fast and Versatile Multiscale Patterning by Combining Template-Stripping with Nanotransfer Printing. <i>ACS Nano</i> , 2018, 12, 2514-2520.	7.3	29
35	High-Density Stretchable Electrode Grids for Chronic Neural Recording. <i>Advanced Materials</i> , 2018, 30, e1706520.	11.1	211
36	Multifunctional 3D electrode platform for real-time in situ monitoring and stimulation of cardiac tissues. <i>Biosensors and Bioelectronics</i> , 2018, 112, 149-155.	5.3	46

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37	Skin Conformal Polymer Electrodes for Clinical ECG and EEG Recordings. <i>Advanced Healthcare Materials</i> , 2018, 7, e1700994.	3.9	172
38	Local Chemical Stimulation of Neurons with the Fluidic Force Microscope (FluidFM). <i>ChemPhysChem</i> , 2018, 19, 1234-1244.	1.0	14
39	Predictive Model for the Electrical Transport within Nanowire Networks. <i>ACS Nano</i> , 2018, 12, 11080-11087.	7.3	52
40	Simultaneous scanning ion conductance and atomic force microscopy with a nanopore: Effect of the aperture edge on the ion current images. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	12
41	A guide towards long-term functional electrodes interfacing neuronal tissue. <i>Journal of Neural Engineering</i> , 2018, 15, 061001.	1.8	44
42	Modular microstructure design to build neuronal networks of defined functional connectivity. <i>Biosensors and Bioelectronics</i> , 2018, 122, 75-87.	5.3	67
43	Soft Electronic Strain Sensor with Chipless Wireless Readout: Toward Real-time Monitoring of Bladder Volume. <i>Advanced Materials Technologies</i> , 2018, 3, 1800031.	3.0	32
44	Investigation of Synaptic Vesicle Fusion Mechanisms with Novel Vesicular Force Microscopy. <i>Biophysical Journal</i> , 2018, 114, 607a.	0.2	0
45	Simple and Inexpensive Paper-Based Astrocyte Co-culture to Improve Survival of Low-Density Neuronal Networks. <i>Frontiers in Neuroscience</i> , 2018, 12, 94.	1.4	16
46	Force controlled SU-8 micropipettes fabricated with a sideways process. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 095015.	1.5	6
47	Monolayer Graphene Coupled to a Flexible Plasmonic Nanograting for Ultrasensitive Strain Monitoring. <i>Small</i> , 2018, 14, e1801187.	5.2	22
48	Image reversal reactive immersion lithography improves the detection limit of focal molography. <i>Optics Letters</i> , 2018, 43, 5801.	1.7	8
49	Improving FoRe: A New Inlet Design for Filtering Samples through Individual Microarray Spots. <i>ACS Sensors</i> , 2017, 2, 339-345.	4.0	5
50	Cell Adhesion on Dynamic Supramolecular Surfaces Probed by Fluid Force Microscopy-Based Single-Cell Force Spectroscopy. <i>ACS Nano</i> , 2017, 11, 3867-3874.	7.3	31
51	Soft Hydrogels Featuring In-Depth Surface Density Gradients for the Simple Establishment of 3D Tissue Models for Screening Applications. <i>SLAS Discovery</i> , 2017, 22, 635-644.	1.4	13
52	Focal molography is a new method for the in situ analysis of molecular interactions in biological samples. <i>Nature Nanotechnology</i> , 2017, 12, 1089-1095.	15.6	36
53	Easy to Apply Polyoxazoline-Based Coating for Precise and Long-Term Control of Neural Patterns. <i>Langmuir</i> , 2017, 33, 8594-8605.	1.6	35
54	Paper-based patterned 3D neural cultures as a tool to study network activity on multielectrode arrays. <i>RSC Advances</i> , 2017, 7, 39359-39371.	1.7	11

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55	Trends in Epidermal Stretchable Electronics for Noninvasive Long-term Healthcare Applications. International Journal of Automation and Smart Technology, 2017, 7, 37-52.	0.4	10
56	Template-Free 3D Microprinting of Metals Using a Force-Controlled Nanopipette for Layer-by-Layer Electrodeposition. Advanced Materials, 2016, 28, 2311-2315.	11.1	141
57	Multilayer Patterning of High Resolution Intrinsically Stretchable Electronics. Scientific Reports, 2016, 6, 25641.	1.6	30
58	Quantifying the effect of electric current on cell adhesion studied by single-cell force spectroscopy. Biointerphases, 2016, 11, 011004.	0.6	26
59	Fast and Efficient Fabrication of Intrinsically Stretchable Multilayer Circuit Boards by Wax Pattern Assisted Filtration. Small, 2016, 12, 180-184.	5.2	72
60	SU-8 hollow cantilevers for AFM cell adhesion studies. Journal of Micromechanics and Microengineering, 2016, 26, 055006.	1.5	29
61	Serial weighting of micro-objects with resonant microchanneled cantilevers. Nanotechnology, 2016, 27, 415502.	1.3	11
62	“Brains on a chip” Towards engineered neural networks. TrAC - Trends in Analytical Chemistry, 2016, 78, 60-69.	5.8	62
63	Controlled single-cell deposition and patterning by highly flexible hollow cantilevers. Lab on A Chip, 2016, 16, 1663-1674.	3.1	27
64	Patterning gold nanoparticles in liquid environment with high ionic strength for local fabrication of up to 100 μm long metallic interconnections. Nanotechnology, 2015, 26, 175301.	1.3	6
65	Stretchable Silver Nanowire-Elastomer Composite Microelectrodes with Tailored Electrical Properties. ACS Applied Materials & Interfaces, 2015, 7, 13467-13475.	4.0	77
66	Controlling cell migration and adhesion into a scaffold by external electric currents. , 2015, 2015, 3549-52.		3
67	Simultaneous Scanning Ion Conductance Microscopy and Atomic Force Microscopy with Microchanneled Cantilevers. Physical Review Letters, 2015, 115, 238103.	2.9	33
68	Electronic dura mater for long-term multimodal neural interfaces. Science, 2015, 347, 159-163.	6.0	845
69	Force-Controlled Patch Clamp of Beating Cardiac Cells. Nano Letters, 2015, 15, 1743-1750.	4.5	62
70	Femtomolar oligonucleotide detection by a one-step gold nanoparticle-based assay. Colloids and Surfaces B: Biointerfaces, 2015, 135, 193-200.	2.5	9
71	Local surface modification via confined electrochemical deposition with FluidFM. RSC Advances, 2015, 5, 84517-84522.	1.7	37
72	Location-specific nanoplasmonic sensing of biomolecular binding to lipid membranes with negative curvature. Nanoscale, 2015, 7, 15080-15085.	2.8	25

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73	Iodide sensing via electrochemical etching of ultrathin gold films. <i>Nanotechnology</i> , 2015, 26, 025202.	1.3	8
74	Electrochemical Control of the Enzymatic Polymerization of PEG Hydrogels: Formation of Spatially Controlled Biological Microenvironments. <i>Advanced Healthcare Materials</i> , 2014, 3, 508-514.	3.9	16
75	Coagulation at the Blood-Electrode Interface: The Role of Electrochemical Desorption and Degradation of Fibrinogen. <i>Langmuir</i> , 2014, 30, 7227-7234.	1.6	2
76	The entropy of water in swelling PGA/PAH polyelectrolyte multilayers. <i>Soft Matter</i> , 2014, 10, 688-693.	1.2	9
77	Tuning the Electrochemical Swelling of Polyelectrolyte Multilayers toward Nanoactuation. <i>Langmuir</i> , 2014, 30, 12057-12066.	1.6	14
78	Local Polymer Replacement for Neuron Patterning and <i>in Situ</i> Neurite Guidance. <i>Langmuir</i> , 2014, 30, 7037-7046.	1.6	30
79	Twist on Protein Microarrays: Layering Wax-Patterned Nitrocellulose to Create Customizable and Separable Arrays of Multiplexed Affinity Columns. <i>Analytical Chemistry</i> , 2014, 86, 4209-4216.	3.2	11
80	Stretchable electronics based on Ag-PDMS composites. <i>Scientific Reports</i> , 2014, 4, 7254.	1.6	234
81	FluidFM for Force Controlled Electrophysiology. <i>Biophysical Journal</i> , 2013, 104, 502a.	0.2	0
82	Label-free detection of cell-contractile activity with lipid nanotubes. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 107-110.	0.6	7
83	Exchangeable Colloidal AFM Probes for the Quantification of Irreversible and Long-Term Interactions. <i>Biophysical Journal</i> , 2013, 105, 463-472.	0.2	43
84	High Precision Release of Neurotransmitter - A New Tool. <i>Biophysical Journal</i> , 2013, 104, 498a.	0.2	0
85	Synthetic Lipid Nanotubes as Cell-Cell Junctions for Inter-Cellular Ca ⁺ Propagation and for Cell Contraction Monitoring. <i>Biophysical Journal</i> , 2013, 104, 548a-549a.	0.2	0
86	Switching Transport through Nanopores with pH-Responsive Polymer Brushes for Controlled Ion Permeability. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1400-1407.	4.0	90
87	FluidFM as a lithography tool in liquid: spatially controlled deposition of fluorescent nanoparticles. <i>Nanoscale</i> , 2013, 5, 1097-1104.	2.8	43
88	Simultaneous electrical and plasmonic monitoring of potential induced ion adsorption on metal nanowire arrays. <i>Nanoscale</i> , 2013, 5, 4966.	2.8	15
89	Nanoplasmonic sensing of metal-halide complex formation and the electric double layer capacitor. <i>Nanoscale</i> , 2012, 4, 2339.	2.8	53
90	High-Resolution Resistless Nanopatterning on Polymer and Flexible Substrates for Plasmonic Biosensing Using Stencil Masks. <i>ACS Nano</i> , 2012, 6, 5474-5481.	7.3	57

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91	A universal method for planar lipid bilayer formation by freeze and thaw. <i>Soft Matter</i> , 2012, 8, 5525.	1.2	21
92	Electrochemically driven delivery to cells from vesicles embedded in polyelectrolyte multilayers. <i>Soft Matter</i> , 2012, 8, 3641.	1.2	21
93	Electrically induced lipid migration in non-lamellar phase. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 421-427.	5.0	2
94	Effect of polyelectrolyte interdiffusion on electron transport in redox-active polyelectrolyte multilayers. <i>Journal of Materials Chemistry</i> , 2012, 22, 11073.	6.7	40
95	Directed Self-Assembly of Lipid Nanotubes from Inverted Hexagonal Structures. <i>ACS Nano</i> , 2012, 6, 6626-6632.	7.3	21
96	Ion-induced cell sheet detachment from standard cell culture surfaces coated with polyelectrolytes. <i>Biomaterials</i> , 2012, 33, 3421-3427.	5.7	54
97	Simultaneous OWLS and EIS monitoring of supported lipid bilayers with the pore forming peptide melittin. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 600-606.	4.0	18
98	Electrochemical plasmonic sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1773-1784.	1.9	71
99	Layer-by-Layer Films Made from Extracellular Matrix Macromolecules on Silicone Substrates. <i>Biomacromolecules</i> , 2011, 12, 609-616.	2.6	57
100	Techniques for recording reconstituted ion channels. <i>Analyst</i> , The, 2011, 136, 1077.	1.7	45
101	Electrochemical Crystallization of Plasmonic Nanostructures. <i>Nano Letters</i> , 2011, 11, 1337-1343.	4.5	52
102	Spontaneous Formation of a Vesicle Multilayer on Top of an Exponentially Growing Polyelectrolyte Multilayer Mediated by Diffusing Poly-L-lysine. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12386-12391.	1.2	14
103	Microarrays Made Easy: Biofunctionalized Hydrogel Channels for Rapid Protein Microarray Production. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 50-57.	4.0	11
104	Metallic Nanodot Arrays by Stencil Lithography for Plasmonic Biosensing Applications. <i>ACS Nano</i> , 2011, 5, 844-853.	7.3	87
105	From nanodroplets to continuous films: how the morphology of polyelectrolyte multilayers depends on the dielectric permittivity and the surface charge of the supporting substrate. <i>Soft Matter</i> , 2011, 7, 3861.	1.2	17
106	Review of Transducer Principles for Label-Free Biomolecular Interaction Analysis. <i>Biosensors</i> , 2011, 1, 70-92.	2.3	94
107	Engineering 3D cell instructive microenvironments by rational assembly of artificial extracellular matrices and cell patterning. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 1102.	0.6	47
108	Conformational Changes of Calmodulin on Calcium and Peptide Binding Monitored by Film Bulk Acoustic Resonators. <i>Biosensors</i> , 2011, 1, 164-176.	2.3	1

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109	Single plasmonic nanoparticles for biosensing. Trends in Biotechnology, 2011, 29, 343-351.	4.9	102
110	Electrochemically switchable platform for the micro-patterning and release of heterotypic cell sheets. Biomedical Microdevices, 2011, 13, 221-230.	1.4	49
111	Electrical microcurrent to prevent conditioning film and bacterial adhesion to urological stents. Urological Research, 2011, 39, 81-88.	1.5	26
112	Electrochemically Stimulated Release from Liposomes Embedded in a Polyelectrolyte Multilayer. Advanced Functional Materials, 2011, 21, 1666-1672.	7.8	28
113	Fluorescent vesicles for signal amplification in reverse phase protein microarray assays. Analytical Biochemistry, 2011, 416, 145-151.	1.1	7
114	pH-controlled recovery of placenta-derived mesenchymal stem cell sheets. Biomaterials, 2011, 32, 4376-4384.	5.7	87
115	Comparison of FBAR and QCM-D sensitivity dependence on adlayer thickness and viscosity. Sensors and Actuators A: Physical, 2011, 165, 415-421.	2.0	38
116	Controlled <i>in situ</i> nanoscale enhancement of gold nanowire arrays with plasmonics. Nanotechnology, 2011, 22, 055203.	1.3	4
117	Swelling of electrochemically active polyelectrolyte multilayers. Current Opinion in Colloid and Interface Science, 2010, 15, 427-434.	3.4	33
118	Non-Toxic Dry-Coated Nanosilver for Plasmonic Biosensors. Advanced Functional Materials, 2010, 20, 4250-4257.	7.8	119
119	Non-Toxic Dry-Coated Nanosilver for Plasmonic Biosensors. Advanced Functional Materials, 2010, 20, 4249-4249.	7.8	3
120	Engineering the Extracellular Environment: Strategies for Building 2D and 3D Cellular Structures. Advanced Materials, 2010, 22, 5443-5462.	11.1	147
121	Photobleaching induced damage of biomolecules: Streptavidin as a bio-photoresist. Surface Science, 2010, 604, 898-905.	0.8	1
122	Effects of small pulsed nanocurrents on cell viability in vitro and in vivo: Implications for biomedical electrodes. Biomaterials, 2010, 31, 8666-8673.	5.7	3
123	Electrically controlling cell adhesion, growth and migration. Colloids and Surfaces B: Biointerfaces, 2010, 79, 365-371.	2.5	17
124	Liposome and Lipid Bilayer Arrays Towards Biosensing Applications. Small, 2010, 6, 2481-2497.	5.2	191
125	Force-controlled spatial manipulation of viable mammalian cells and micro-organisms by means of FluidFM technology. Applied Physics Letters, 2010, 97, .	1.5	80
126	Optical sensing and determination of complex reflection coefficients of plasmonic structures using transmission interferometric plasmonic sensor. Review of Scientific Instruments, 2010, 81, 053102.	0.6	21

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127	Simultaneous refractive index and thickness measurement with the transmission interferometric adsorption sensor. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 405302.	1.3	15
128	Optical Sensing with Simultaneous Electrochemical Control in Metal Nanowire Arrays. <i>Sensors</i> , 2010, 10, 9808-9830.	2.1	15
129	Global and local view on the electrochemically induced degradation of polyelectrolyte multilayers: from dissolution to delamination. <i>Soft Matter</i> , 2010, 6, 4246.	1.2	26
130	Zirconium Ion Mediated Formation of Liposome Multilayers. <i>Langmuir</i> , 2010, 26, 10995-11002.	1.6	11
131	The Resistance of Polyelectrolyte Multilayers in a Free-Hanging Configuration. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13982-13987.	1.2	6
132	Ion and Solvent Exchange Processes in PGA/PAH Polyelectrolyte Multilayers Containing Ferrocyanide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3759-3768.	1.2	33
133	A Gigaseal Obtained with a Self-Assembled Long-Lifetime Lipid Bilayer on a Single Polyelectrolyte Multilayer-Filled Nanopore. <i>ACS Nano</i> , 2010, 4, 5047-5054.	7.3	34
134	Chemically Tunable Electrochemical Dissolution of Noncontinuous Polyelectrolyte Assemblies: An In Situ Study Using ecAFM. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3525-3531.	4.0	4
135	Electrochemistry on a Localized Surface Plasmon Resonance Sensor. <i>Langmuir</i> , 2010, 26, 7619-7626.	1.6	76
136	Enzyme Mediated Site-Specific Surface Modification. <i>Langmuir</i> , 2010, 26, 11127-11134.	1.6	19
137	Multilayers of hydrogels loaded with microparticles: a fast and simple approach for microarray manufacturing. <i>Lab on A Chip</i> , 2010, 10, 372-378.	3.1	6
138	Engineered Polyelectrolyte Multilayer Substrates for Adhesion, Proliferation, and Differentiation of Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 2977-2990.	1.6	67
139	Plasmonic nanoparticle based biosensing: experiments and simulations. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
140	Shape-dependent sensitivity of single plasmonic nanoparticles for biosensing. <i>Journal of Biomedical Optics</i> , 2009, 14, 064027.	1.4	21
141	Protein coupled receptor array technologies: Site directed immobilisation of liposomes containing the H ₁ histamine or M ₂ muscarinic receptors. <i>Proteomics</i> , 2009, 9, 2052-2063.	1.3	30
142	A Microwell Array Platform for Picoliter Membrane Protein Assays. <i>Small</i> , 2009, 5, 1070-1077.	5.2	13
143	Biosensing by Densely Packed and Optically Coupled Plasmonic Particle Arrays. <i>Small</i> , 2009, 5, 1889-1896.	5.2	51
144	Nanoscale dispensing in liquid environment of streptavidin on a biotin-functionalized surface using hollow atomic force microscopy probes. <i>Microelectronic Engineering</i> , 2009, 86, 1481-1484.	1.1	22

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145	Film bulk acoustic resonators for DNA and protein detection and investigation of in vitro bacterial S-layer formation. <i>Sensors and Actuators A: Physical</i> , 2009, 156, 180-184.	2.0	77
146	Microarray spotting of nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 346, 61-65.	2.3	6
147	Particle flow assays for fluorescent protein microarray applications. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1195-1200.	5.3	8
148	Strain mapping with optically coupled plasmonic particles embedded in a flexible substrate. <i>Optics Letters</i> , 2009, 34, 2009.	1.7	29
149	FluidFM: Combining Atomic Force Microscopy and Nanofluidics in a Universal Liquid Delivery System for Single Cell Applications and Beyond. <i>Nano Letters</i> , 2009, 9, 2501-2507.	4.5	369
150	Electrochemical tuning of the stability of PLL/DNA multilayers. <i>Soft Matter</i> , 2009, 5, 2415.	1.2	39
151	Nanoscale labels: nanoparticles and liposomes in the development of high-performance biosensors. <i>Nanomedicine</i> , 2009, 4, 447-467.	1.7	42
152	Measuring cell adhesion forces during the cell cycle by force spectroscopy. <i>Biointerphases</i> , 2009, 4, 27-34.	0.6	42
153	Nanowire Development and Characterization for Applications in Biosensing. , 2009, , 143-173.		9
154	Influence of applied currents on the viability of cells close to microelectrodes. <i>Integrative Biology (United Kingdom)</i> , 2009, 1, 108-115.	0.6	29
155	Formation of supported lipid bilayers on indium tin oxide for dynamically-patterned membrane-functionalized microelectrode arrays. <i>Lab on A Chip</i> , 2009, 9, 718-725.	3.1	31
156	Symmetry Decomposed Multiple Multipole Program Calculation of Plasmonic Particles on Substrate for Biosensing Applications. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 749-756.	0.4	12
157	Polyelectrolyte Coatings with a Potential for Electronic Control and Cell Sheet Engineering. <i>Advanced Materials</i> , 2008, 20, 560-565.	11.1	100
158	Binding and direct electrochemistry of OmcA, an outer-membrane cytochrome from an iron reducing bacterium, with oxide electrodes: A candidate biofuel cell system. <i>Inorganica Chimica Acta</i> , 2008, 361, 769-777.	1.2	69
159	Electrochemical Biosensors - Sensor Principles and Architectures. <i>Sensors</i> , 2008, 8, 1400-1458.	2.1	591
160	In situ Sensing of Single Binding Events by Localized Surface Plasmon Resonance. <i>Nano Letters</i> , 2008, 8, 3450-3455.	4.5	134
161	Mannose-Based Molecular Patterns on Stealth Microspheres for Receptor-Specific Targeting of Human Antigen-Presenting Cells. <i>Langmuir</i> , 2008, 24, 11790-11802.	1.6	56
162	Swelling and Contraction of Ferrocyanide-Containing Polyelectrolyte Multilayers upon Application of an Electric Potential. <i>Langmuir</i> , 2008, 24, 13668-13676.	1.6	60

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163	Vesicles for Signal Amplification in a Biosensor for the Detection of Low Antigen Concentrations. <i>Sensors</i> , 2008, 8, 7894-7903.	2.1	16
164	Electrochemical Biosensors - Sensor Principles and Architectures. <i>Sensors</i> , 2008, 8, 1400-1458.	2.1	1,607
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