

Dirk Mayer

List of Publications by Year in descending order

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143
papers

3,661
citations

136950

32
h-index

182427

51
g-index

149
all docs

149
docs citations

149
times ranked

4530
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective and sensitive detection of glutamate by an electrochemical aptasensor. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1609-1622.	3.7	13
2	Double-Resonant Nanostructured Gold Surface for Multiplexed Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6417-6427.	8.0	5
3	Gold nanostructures: synthesis, properties, and neurological applications. <i>Chemical Society Reviews</i> , 2022, 51, 2601-2680.	38.1	43
4	Single-Impact Electrochemistry in Paper-Based Microfluidics. <i>ACS Sensors</i> , 2022, 7, 884-892.	7.8	11
5	DNA aptamer selection for SARS-CoV-2 spike glycoprotein detection. <i>Analytical Biochemistry</i> , 2022, 645, 114633.	2.4	12
6	Delineating charge and capacitance transduction in system-integrated graphene-based BioFETs used as aptasensors for malaria detection. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114219.	10.1	17
7	Inkjet printed Ta ₂ O ₅ on a flexible substrate for capacitive pH sensing at high ionic strength. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132250.	7.8	4
8	Prototype Digital Lateral Flow Sensor Using Impact Electrochemistry in a Competitive Binding Assay. <i>ACS Sensors</i> , 2022, 7, 1967-1976.	7.8	3
9	(Digital Presentation) Stochastic Impact Electrochemistry in a Lateral-Flow Sensor Architecture. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 2116-2116.	0.0	0
10	Randomly positioned gold nanoparticles as fluorescence enhancers in apta-immunosensor for malaria test. <i>Mikrochimica Acta</i> , 2021, 188, 88.	5.0	18
11	PEDOT:PSS-Based Bioelectronic Devices for Recording and Modulation of Electrophysiological and Biochemical Cell Signals. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100061.	7.6	92
12	Using Interdigitated Organic Electrochemical Transistors as Electrophysiological and Biochemical Sensors. <i>Engineering Proceedings</i> , 2021, 6, .	0.4	0
13	High Aspect Ratio and Light-Sensitive Micropillars Based on a Semiconducting Polymer Optically Regulate Neuronal Growth. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23438-23451.	8.0	21
14	Inkjet-Printed and Electroplated 3D Electrodes for Recording Extracellular Signals in Cell Culture. <i>Sensors</i> , 2021, 21, 3981.	3.8	11
15	Engineering Electrostatic Repulsion of Metal Nanoparticles for Reduced Adsorption in Single-Impact Electrochemical Recordings. <i>ACS Applied Nano Materials</i> , 2021, 4, 8314-8320.	5.0	8
16	Multi-target electrochemical malaria aptasensor on flexible multielectrode arrays for detection in malaria parasite blood samples. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130812.	7.8	17
17	SAW gas sensor based on extremely thin strain-engineered K _{0.7} Na _{0.3} NbO ₃ films. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	4
18	An electrochemical aptamer-based biosensor targeting <i>Plasmodium falciparum</i> histidine-rich protein II for malaria diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113472.	10.1	16

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19	Polymer Nanopillars Induce Increased Paxillin Adhesion Assembly and Promote Axon Growth in Primary Cortical Neurons. <i>Advanced Biology</i> , 2021, 5, 2000248.	2.5	15
20	The Structure of the Electric Double Layer of the Protic Ionic Liquid [Dema][TfO] Analyzed by Atomic Force Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12653.	4.1	7
21	Origins of Leakage Currents on Electrolyte-Gated Graphene Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5355-5364.	4.3	6
22	LSPR-based colorimetric immunosensor for rapid and sensitive 17 β -estradiol detection in tap water. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127699.	7.8	41
23	Surface Functionalization of Platinum Electrodes with APTES for Bioelectronic Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 7113-7121.	4.6	6
24	Electrochemical dual-aptamer biosensors based on nanostructured multielectrode arrays for the detection of neuronal biomarkers. <i>Nanoscale</i> , 2020, 12, 16501-16513.	5.6	31
25	Polyethylene glycol-mediated blocking and monolayer morphology of an electrochemical aptasensor for malaria biomarker detection in human serum. <i>Bioelectrochemistry</i> , 2020, 136, 107589.	4.6	29
26	Ultrasensitive antibody-aptamer plasmonic biosensor for malaria biomarker detection in whole blood. <i>Nature Communications</i> , 2020, 11, 6134.	12.8	85
27	Dual-Transducer Malaria Aptasensor Combining Electrochemical Impedance and Surface Plasmon Polariton Detection on Gold Nanohole Arrays. <i>ChemElectroChem</i> , 2020, 7, 4594-4600.	3.4	12
28	Label-Free Split Aptamer Sensor for Femtomolar Detection of Dopamine by Means of Flexible Organic Electrochemical Transistors. <i>Materials</i> , 2020, 13, 2577.	2.9	37
29	Surface Plasmon-Enhanced Switching Kinetics of Molecular Photochromic Films on Gold Nanohole Arrays. <i>Nano Letters</i> , 2020, 20, 5243-5250.	9.1	11
30	Tantalum(ν) 1,3-propanediolate β -diketonate solution as a precursor to sol-gel derived, metal oxide thin films. <i>RSC Advances</i> , 2020, 10, 13737-13748.	3.6	3
31	Engineering Biocompatible Interfaces via Combinations of Oxide Films and Organic Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17121-17129.	8.0	9
32	A Novel Ratiometric Electrochemical Biosensor Based on a Split Aptamer for the Detection of Dopamine with Logic Gate Operations. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900924.	1.8	18
33	A Highly Sensitive Amperometric Aptamer Biosensor for Adenosine Triphosphate Detection on a 64 Channel Gold Multielectrode Array. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900925.	1.8	9
34	Fully Printed $\frac{1}{4}$ -Needle Electrode Array from Conductive Polymer Ink for Bioelectronic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32778-32786.	8.0	45
35	Amperometric Aptasensor for Amyloid- β Oligomer Detection by Optimized Stem-Loop Structures with an Adjustable Detection Range. <i>ACS Sensors</i> , 2019, 4, 3042-3050.	7.8	44
36	Amplification of aptamer sensor signals by four orders of magnitude via interdigitated organic electrochemical transistors. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111668.	10.1	37

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37	Tuning Channel Architecture of Interdigitated Organic Electrochemical Transistors for Recording the Action Potentials of Electrogenic Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1902085.	14.9	42
38	Vapor-Phase Deposition and Electronic Characterization of 3-Aminopropyltriethoxysilane Self-Assembled Monolayers on Silicon Dioxide. <i>Langmuir</i> , 2019, 35, 8183-8190.	3.5	15
39	Monitoring amyloid- β^2 proteins aggregation based on label-free aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 535-542.	7.8	56
40	MEA Recordings and Cell-Substrate Investigations with Plasmonic and Transparent, Tunable Holey Gold. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46451-46461.	8.0	13
41	Stability makes a difference. <i>Nature Nanotechnology</i> , 2019, 14, 925-926.	31.5	1
42	Neuronal adhesion and growth on nanopatterned EA5-POPC synthetic membranes. <i>Nanoscale</i> , 2018, 10, 5295-5301.	5.6	6
43	Electronic Responses to Humidity in Monolayer and Multilayer AuNP Stripes Fabricated by Convective Self-Assembly. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700950.	1.8	5
44	Facile, non-destructive characterization of 2d photonic crystals using UV-vis-spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4340-4346.	2.8	5
45	Asymmetric, nano-textured surfaces influence neuron viability and polarity. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1634-1645.	4.0	8
46	Shaping the Atomic-Scale Geometries of Electrodes to Control Optical and Electrical Performance of Molecular Devices. <i>Small</i> , 2018, 14, e1703815.	10.0	28
47	Aptamer-based electrochemical biosensor for highly sensitive and selective malaria detection with adjustable dynamic response range and reusability. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 235-243.	7.8	82
48	Shell-binary nanoparticle materials with variable electrical and electro-mechanical properties. <i>Nanoscale</i> , 2018, 10, 992-1003.	5.6	13
49	Molecular Orbital Gating Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2018, 12, 11229-11235.	14.6	27
50	Engineering of Neuron Growth and Enhancing Cell-Chip Communication via Mixed SAMs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18507-18514.	8.0	16
51	Fabrication of patterned surface by soft lithographic technique for confinement of lipid bilayer. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
52	Noise spectroscopy of tunable nanoconstrictions: molecule-free and molecule-modified. <i>Nanotechnology</i> , 2018, 29, 385704.	2.6	8
53	High Performance Flexible Organic Electrochemical Transistors for Monitoring Cardiac Action Potential. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800304.	7.6	50
54	Nanoparticle stripe sensor for highly sensitive and selective detection of mercury ions. <i>Biosensors and Bioelectronics</i> , 2018, 117, 450-456.	10.1	15

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55	Flexible Microgap Electrodes by Direct Inkjet Printing for Biosensing Application. <i>Advanced Biology</i> , 2017, 1, 1600016.	3.0	21
56	The Influence of Supporting Ions on the Electrochemical Detection of Individual Silver Nanoparticles: Understanding the Shape and Frequency of Current Transients in Nano-impacts. <i>Chemistry - A European Journal</i> , 2017, 23, 4638-4643.	3.3	33
57	Temperature-Dependent Electron Transport in Single Terphenyldithiol Molecules. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2911-2917.	2.5	1
58	Flexible Gold Nanocone Array Surfaces as a Tool for Regulating Neuronal Behavior. <i>Small</i> , 2017, 13, 1700629.	10.0	19
59	Surface coupling strength of gold nanoparticles affects cytotoxicity towards neurons. <i>Biomaterials Science</i> , 2017, 5, 1051-1060.	5.4	7
60	Biosensing near the neutrality point of graphene. <i>Science Advances</i> , 2017, 3, e1701247.	10.3	68
61	Observation of chemically protected polydimethylsiloxane: towards crack-free PDMS. <i>Soft Matter</i> , 2017, 13, 6297-6303.	2.7	25
62	Controlled Engineering of Oxide Surfaces for Bioelectronics Applications Using Organic Mixed Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29265-29272.	8.0	15
63	Electrochemical Nanocavity Devices. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2017, , 199-214.	0.5	2
64	Ultra-thin resin embedding method for scanning electron microscopy of individual cells on high and low aspect ratio 3D nanostructures. <i>Journal of Microscopy</i> , 2016, 263, 78-86.	1.8	38
65	Electrochemically triggered aptamer immobilization via click reaction for vascular endothelial growth factor detection. <i>Engineering in Life Sciences</i> , 2016, 16, 550-559.	3.6	19
66	Electrolyte-Gated Graphene Ambipolar Frequency Multipliers for Biochemical Sensing. <i>Nano Letters</i> , 2016, 16, 2295-2300.	9.1	36
67	3D Au-SiO ₂ nanohybrids as a potential scaffold coating material for neuroengineering. <i>RSC Advances</i> , 2016, 6, 47948-47952.	3.6	2
68	Single Molecule Characterization of UV-Activated Antibodies on Gold by Atomic Force Microscopy. <i>Langmuir</i> , 2016, 32, 8084-8091.	3.5	29
69	Simple and Flexible Model for Laser-Driven Antibody-Gold Surface Interactions: Functionalization and Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21762-21769.	8.0	4
70	In Situ Analysis of the Growth and Dielectric Properties of Organic Self-Assembled Monolayers: A Way To Tailor Organic Layers for Electronic Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16451-16456.	8.0	10
71	Influence of Self-Assembled Alkanethiol Monolayers on Stochastic Amperometric On-Chip Detection of Silver Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 3632-3637.	6.5	13
72	Multi-Level Logic Gate Operation Based on Amplified Aptasensor Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7693-7697.	13.8	85

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73	Tuning neuron adhesion and neurite guiding using functionalized AuNPs and backfill chemistry. RSC Advances, 2015, 5, 39252-39262.	3.6	18
74	Noise characterization of metal-single molecule contacts. Applied Physics Letters, 2015, 106, .	3.3	21
75	Immobilization and Surface Functionalization of Gold Nanoparticles Monitored via Streaming Current/Potential Measurements. Journal of Physical Chemistry B, 2015, 119, 5988-5994.	2.6	27
76	Gating capacitive field-effect sensors by the charge of nanoparticle/molecule hybrids. Nanoscale, 2015, 7, 1023-1031.	5.6	41
77	Electrochemical current rectification—a novel signal amplification strategy for highly sensitive and selective aptamer-based biosensor. Biosensors and Bioelectronics, 2015, 66, 62-68.	10.1	34
78	Nanocavity crossbar arrays for parallel electrochemical sensing on a chip. Beilstein Journal of Nanotechnology, 2014, 5, 1137-1143.	2.8	16
79	Electrochemical Oxidation as Vertical Structuring Tool for Ultrathin (<i>d</i> $\leq 10\text{ nm}$) Valve Metal Films. ECS Journal of Solid State Science and Technology, 2014, 3, P143-P148.	1.8	3
80	On-chip fast scan cyclic voltammetry for selective detection of redox active neurotransmitters. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1364-1371.	1.8	11
81	Electrochemical artifacts originating from nanoparticle contamination by Ag/AgCl quasi-reference electrodes. Lab on A Chip, 2014, 14, 602-607.	6.0	30
82	Advanced fabrication of Si nanowire FET structures by means of a parallel approach. Nanotechnology, 2014, 25, 275302.	2.6	13
83	Probing the effect of surface chemistry on the electrical properties of ultrathin gold nanowire sensors. Nanoscale, 2014, 6, 5146-5155.	5.6	27
84	Mechanically Controllable Break Junctions for Molecular Electronics. Advanced Materials, 2013, 25, 4845-4867.	21.0	192
85	Three-Terminal Single-Molecule Junctions Formed by Mechanically Controllable Break Junctions with Side Gating. Nano Letters, 2013, 13, 2809-2813.	9.1	103
86	Transport properties characterization of individual molecule device using noise spectroscopy: A new approach. AIP Conference Proceedings, 2013, , .	0.4	1
87	Generation of Protein Nanogradients by Microcontact Printing. Japanese Journal of Applied Physics, 2013, 52, 05DA19.	1.5	10
88	Origin of noise in structures with tuned nanoconstrictions. , 2013, , .		0
89	Functional peptides for capacitive detection of Ca^{2+} ions. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1030-1037.	1.8	1
90	Molecular Electronics: Mechanically Controllable Break Junctions for Molecular Electronics (Adv.) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 6	21.0	2

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91	Transistor Functions Based on Electrochemical Rectification. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4029-4032.	13.8	18
92	A nanoporous alumina microelectrode array for functional cell-chip coupling. <i>Nanotechnology</i> , 2012, 23, 495303.	2.6	22
93	Noise and transport characterization of single molecular break junctions with individual molecule. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	29
94	Neuron Adhesion: Control of Cell Adhesion and Neurite Outgrowth by Patterned Gold Nanoparticles with Tunable Attractive or Repulsive Surface Properties (<i>Small</i> 21/2012). <i>Small</i> , 2012, 8, 3226-3226.	10.0	0
95	Field-effect Devices Functionalised with Gold-Nanoparticle/Macromolecule Hybrids: New Opportunities for a Label-Free Biosensing. <i>Procedia Engineering</i> , 2012, 47, 273-276.	1.2	1
96	Electrochemical current rectifier as a highly sensitive and selective cytosensor for cancer cell detection. <i>Chemical Communications</i> , 2012, 48, 2594.	4.1	26
97	Control of Cell Adhesion and Neurite Outgrowth by Patterned Gold Nanoparticles with Tunable Attractive or Repulsive Surface Properties. <i>Small</i> , 2012, 8, 3357-3367.	10.0	30
98	Determination of heavy metal ions by microchip capillary electrophoresis coupled with contactless conductivity detection. <i>Electrophoresis</i> , 2012, 33, 1247-1250.	2.4	20
99	Printing of Highly Integrated Crossbar Junctions. <i>Advanced Functional Materials</i> , 2012, 22, 1129-1135.	14.9	15
100	Direct electrochemistry of novel affinity-tag immobilized recombinant horse heart cytochrome c. <i>Biosensors and Bioelectronics</i> , 2012, 34, 171-177.	10.1	24
101	Gap size dependent transition from direct tunneling to field emission in single molecule junctions. <i>Chemical Communications</i> , 2011, 47, 4760.	4.1	34
102	A simple poly(dimethylsiloxane) electrophoresis microchip with an integrated contactless conductivity detector. <i>Mikrochimica Acta</i> , 2011, 172, 193-198.	5.0	14
103	Low impedance surface coatings via nanopillars and conductive polymers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1284-1289.	1.8	6
104	A simplified poly(dimethylsiloxane) capillary electrophoresis microchip integrated with a low-noise contactless conductivity detector. <i>Electrophoresis</i> , 2011, 32, 699-704.	2.4	26
105	The Role of Oxidative Etching in the Synthesis of Ultrathin Single-Crystalline Au Nanowires. <i>Chemistry - A European Journal</i> , 2011, 17, 9503-9507.	3.3	22
106	Molecular Junctions Bridged by Metal Ion Complexes. <i>Chemistry - A European Journal</i> , 2011, 17, 13166-13169.	3.3	15
107	Patterned self-assembly of gold nanoparticles on chemical templates fabricated by soft UV nanoimprint lithography. <i>Nanotechnology</i> , 2011, 22, 295301.	2.6	32
108	Fabrication of nanogaps with modified morphology by potential-controlled gold deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 73-75.	2.4	11

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109	Rectified tunneling current response of bio-functionalized metal-bridge-metal junctions. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1173-1178.	10.1	13
110	An Electrochemically Transduced XOR Logic Gate at the Molecular Level. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2595-2598.	13.8	53
111	Electrochemical current rectification at bio-functionalized electrodes. <i>Bioelectrochemistry</i> , 2010, 77, 89-93.	4.6	21
112	Molecular rectification in metal-bridge molecule-metal junctions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 891-897.	1.8	6
113	Deformation of nanostructures on polymer molds during soft UV nanoimprint lithography. <i>Nanotechnology</i> , 2010, 21, 245307.	2.6	21
114	Molecular junctions based on intermolecular electrostatic coupling. <i>Chemical Communications</i> , 2010, 46, 8014.	4.1	17
115	Bidirectional immobilization of affinity-tagged cytochrome c on electrode surfaces. <i>Chemical Communications</i> , 2010, 46, 5295.	4.1	10
116	Noise spectroscopy of AlGaIn/GaN HEMT structures with long channels. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P01046.	2.3	2
117	Electrochemical characterization of the effect of gold nanoparticles on the electron transfer of cytochrome c. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 489-500.	1.8	11
118	Impedimetric detection of covalently attached biomolecules on field-effect transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 417-425.	1.8	18
119	UV nanoimprint lithography with rigid polymer molds. <i>Microelectronic Engineering</i> , 2009, 86, 661-664.	2.4	48
120	Resistively switching Pt/spin-on glass/Ag nanocells for non-volatile memories fabricated with UV nanoimprint lithography. <i>Microelectronic Engineering</i> , 2009, 86, 1060-1062.	2.4	26
121	Metal imaging on surface of micro- and nanoelectronic devices by laser ablation inductively coupled plasma mass spectrometry and possibility to measure at nanometer range. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 883-890.	2.8	34
122	Determination of the Stability Constant of the Intermediate Complex during the Synthesis of Au Nanoparticles Using Aurous Halide. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20143-20147.	3.1	13
123	Nanoimprint for future non-volatile memory and logic devices. <i>Microelectronic Engineering</i> , 2008, 85, 870-872.	2.4	24
124	Analyzing the electroactive surface of gold nanopillars by electrochemical methods for electrode miniaturization. <i>Electrochimica Acta</i> , 2008, 53, 6265-6272.	5.2	57
125	On Pattern Transfer in Replica Molding. <i>Langmuir</i> , 2008, 24, 6636-6639.	3.5	30
126	Micropatterned silicone elastomer substrates for high resolution analysis of cellular force patterns. <i>Review of Scientific Instruments</i> , 2007, 78, 034301.	1.3	80

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127	Field-effect sensors with charged macromolecules: Characterisation by capacitance-voltage, constant-capacitance, impedance spectroscopy and atomic-force microscopy methods. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2100-2107.	10.1	68
128	Electrochemical fabrication and characterization of nanocontacts and nm-sized gaps. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 569-575.	2.3	37
129	Fabrication of Large-Scale Patterned Gold-Nanopillar Arrays on a Silicon Substrate Using Imprinted Porous Alumina Templates. <i>Small</i> , 2006, 2, 1256-1260.	10.0	26
130	Surface activation of thin silicon oxides by wet cleaning and silanization. <i>Thin Solid Films</i> , 2006, 510, 175-180.	1.8	124
131	Interfacing Biology with Electronic Devices. <i>Solid State Phenomena</i> , 2005, 108-109, 789-796.	0.3	2
132	Scanning Probe Microscopic Studies of the Oriented Attachment and Membrane Reconstitution of CytochromeC Oxidase to a Gold Electrode. <i>Langmuir</i> , 2005, 21, 8580-8583.	3.5	18
133	Labelfree fully electronic nucleic acid detection system based on a field-effect transistor device. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1723-1731.	10.1	245
134	SXPS and XANES Studies of Interface Reactions of Organic Molecules on Sulfide Semiconductors. , 2003, , 99-113.		0
135	In Situ Infrared Study of 4,4'-Bipyridine Adsorption on Thin Gold Films. <i>Langmuir</i> , 2002, 18, 4331-4341.	3.5	70
136	Distance tunnelling characteristics of solid/liquid interfaces: Au(111)/Cu ₂ /H ₂ SO ₄ . <i>PhysChemComm</i> , 2002, 5, 112.	0.8	5
137	Characterization of the mercaptobenzothiazole bonding on cadmiumsulfide by MO interpretation of N K XANES results. <i>Chemical Physics</i> , 2002, 277, 117-123.	1.9	6
138	Structural transitions in 4,4'-bipyridine adlayers on Au(111)-an electrochemical and in-situ STM-study. <i>Journal of Electroanalytical Chemistry</i> , 2002, 524-525, 20-35.	3.8	51
139	Angular-resolved XANES measurements of the polar and azimuthal orientation of alkanethiols on InP(110). <i>Chemical Physics Letters</i> , 1999, 311, 8-12.	2.6	12
140	XANES and XPS characterization of hard amorphous CSi x N y thin films grown by RF nitrogen plasma assisted pulsed laser deposition. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 365, 244-248.	1.5	11
141	SXPS analysis of passivation and complexation on the CdS (101̂ 0) surface. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 361, 689-692.	1.5	3
142	Characterization of organic adsorbates of CdS(100) surfaces by SXPS and XANES investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 96, 245-251.	1.7	13
143	Nonequilibrium Fermi energy characteristics of n- and p-semiconductor electrodes under dark and photocurrents up to large band bending. <i>Chemical Physics</i> , 1996, 202, 39-51.	1.9	2