Fernando patolsky

List of Publications by Year in Descending Order

142 papers	15,563 citations	55 h-index	124 g-index
149 ext. papers	16,667 ext. citations	11 avg, IF	6.5 L-index

#	Paper	IF	Citations
142	Breathing parylene-based nanothin artificial SEI for highly-stable long life three-dimensional silicon lithium-ion batteries. *Chemical Engineering Journal*, **2022**, 429, 132077	14.7	5
141	Self-transforming stainless-steel into the next generation anode material for lithium ion batteries. *Journal of Energy Chemistry*, **2022**, 64, 432-441	12	1
140	Single-Step Solid-State Scalable Transformation of Ni-Based Substrates to High-Oxidation State Nickel Sulfide Nanoplate Arrays as Exceptional Bifunctional Electrocatalyst for Overall Water Splitting.. *Small Methods*, **2022**, e2200181	12.8	2
139	Depletion of Highly Abundant Protein Species from Biosamples by the Use of a Branched Silicon Nanopillar On-Chip Platform. *Analytical Chemistry*, **2021**, 93, 14527-14536	7.8	0
138	Clinic-on-a-Needle Array toward Future Minimally Invasive Wearable Artificial Pancreas Applications. *ACS Nano*, **2021**,	16.7	11
137	Diversely Doped Uniform Silicon Nanotube Axial Heterostructures Enabled by "Dopant Reflection". *Langmuir*, **2021**, 37, 1247-1254	4	1
136	Synthesis and electrochemical performance of silicon-nanowire alloy anodes.. *RSC Advances*, **2021**, 11, 26586-26593	3.7	3
135	Optically transparent vertical silicon nanowire arrays for live-cell imaging. *Journal of Nanobiotechnology*, **2021**, 19, 51	9.4	6
134	Pouch-Cell Architecture Downscaled to Coin Cells for Electrochemical Characterization of Bilateral Electrodes**. *Batteries and Supercaps*, **2021**, 4, 767-770	5.6	
133	Ultrafast high-capacity capture and release of uranium by a light-switchable nanotextured surface. *Nanoscale Advances*, **2021**, 3, 3615-3626	5.1	2
132	Rapid Collection and Aptamer-Based Sensitive Electrochemical Detection of Soybean Rust Fungi Airborne Urediniospores. *ACS Sensors*, **2021**, 6, 1187-1198	9.2	3
131	Direct whole blood analysis by the antigen-antibody chemically-delayed dissociation from nanosensors arrays. *Biosensors and Bioelectronics*, **2020**, 170, 112658	11.8	2
130	Real-time monitoring of bacterial biofilms metabolic activity by a redox-reactive nanosensors array. *Journal of Nanobiotechnology*, **2020**, 18, 81	9.4	8
129	Redox-Reactive Field-Effect Transistor Nanodevices for the Direct Monitoring of Small Metabolites in Biofluids toward Implantable Nanosensors Arrays. *ACS Nano*, **2020**, 14, 3587-3594	16.7	10
128	Thermally-treated nanowire-structured stainless-steel as an attractive cathode material for lithium-ion batteries. *Nano Energy*, **2020**, 76, 105054	17.1	2
127	Analysis of Scale-up Parameters in 3D Silicon-Nanowire Lithium-Battery Anodes. *Journal of the Electrochemical Society*, **2020**, 167, 050511	3.9	7
126	Self-Catalyzed Vertically Aligned Carbon Nanotube-Silicon Core-Shell Array for Highly Stable, High-Capacity Lithium-Ion Batteries. *Langmuir*, **2020**, 36, 889-896	4	16

125	Direct Detection of Uranyl in Urine by Dissociation from Aptamer-Modified Nanosensor Arrays. *Analytical Chemistry*, **2020**, 92, 12528-12537	7.8	15
124	Engineered nano-bio interfaces for intracellular delivery and sampling: Applications, agency and artefacts. *Materials Today*, **2020**, 33, 87-104	21.8	26
123	Direct and Selective Electrochemical Vapor Trace Detection of Organic Peroxide Explosives via Surface Decoration. *Analytical Chemistry*, **2019**, 91, 5323-5330	7.8	13
122	Cellular Metabolomics by a Universal Redox-Reactive Nanosensors Array: From the Cell Level to Tumor-on-a-Chip Analysis. *Nano Letters*, **2019**, 19, 2478-2488	11.5	13
121	Light-Controlled Selective Collection-and-Release of Biomolecules by an On-Chip Nanostructured Device. *Nano Letters*, **2019**, 19, 5868-5878	11.5	12
120	Shape induced sorting via rim-to-rim complementarity in the formation of pillar[5, 6]arene-based supramolecular organogels. *Organic Chemistry Frontiers*, **2019**, 6, 3348-3354	5.2	9
119	Vapor Trace Collection and Direct Ultrasensitive Detection of Nitro-Explosives by 3D Microstructured Electrodes. *Analytical Chemistry*, **2019**, 91, 14375-14382	7.8	3
118	Large-Scale Self-Catalyzed Spongelike Silicon Nano-Network-Based 3D Anodes for High-Capacity Lithium-Ion Batteries. *Nano Letters*, **2019**, 19, 1944-1954	11.5	38
117	Spatially resolved measurement of plasmon dispersion using Fourier-plane spectral imaging. *Photonics Research*, **2018**, 6, 653	6	3
116	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. *Chemistry - A European Journal*, **2018**, 24, 15750-15755	4.8	11
115	Controlled Formation of Radial Core-Shell Si/Metal Silicide Crystalline Heterostructures. *Nano Letters*, **2018**, 18, 70-80	11.5	1
114	Multicolor Spectral-Specific Silicon Nanodetectors based on Molecularly Embedded Nanowires. *Nano Letters*, **2018**, 18, 190-201	11.5	14
113	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. *Chemistry - A European Journal*, **2018**, 24, 15695-15695	4.8	1
112	Novel non-invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles. *Cancer Immunology, Immunotherapy*, **2018**, 67, 1135-1146	7.4	3
111	Optically driven ultra-stable nanomechanical rotor. *Nature Communications*, **2017**, 8, 1670	17.4	60
110	Full rotational control of levitated silicon nanorods. *Optica*, **2017**, 4, 356	8.6	81
109	Nanodicing Single Crystalline Silicon Nanowire Arrays. *Nano Letters*, **2016**, 16, 6960-6966	11.5	9
108	Antigen-Dissociation from Antibody-Modified Nanotransistor Sensor Arrays as a Direct Biomarker Detection Method in Unprocessed Biosamples. *Nano Letters*, **2016**, 16, 6272-6281	11.5	34

107	Light-emitting self-assembled peptide nucleic acids exhibit both stacking interactions and Watson-Crick base pairing. *Nature Nanotechnology*, **2015**, 10, 353-60	28.7	107
106	Manipulating and Monitoring On-Surface Biological Reactions by Light-Triggered Local pH Alterations. *Nano Letters*, **2015**, 15, 4758-68	11.5	28
105	Probing the interactions of intrinsically disordered proteins using nanoparticle tags. *Nano Letters*, **2015**, 15, 3080-7	11.5	11
104	Cavity-Assisted Manipulation of Freely Rotating Silicon Nanorods in High Vacuum. *Nano Letters*, **2015**, 15, 5604-8	11.5	53
103	Monolithic integration of a silicon nanowire field-effect transistors array on a complementary metal-oxide semiconductor chip for biochemical sensor applications. *Analytical Chemistry*, **2015**, 87, 9982-90	7.8	30
102	Tissue-like Silicon Nanowires-Based Three-Dimensional Anodes for High-Capacity Lithium Ion Batteries. *Nano Letters*, **2015**, 15, 3907-16	11.5	99
101	Morphological and chemical stability of silicon nanostructures and their molecular overlayers under physiological conditions: towards long-term implantable nanoelectronic biosensors. *Journal of Nanobiotechnology*, **2014**, 12, 7	9.4	26
100	Supersensitive fingerprinting of explosives by chemically modified nanosensors arrays. *Nature Communications*, **2014**, 5, 4195	17.4	136
99	Engineering vertically aligned semiconductor nanowire arrays for applications in the life sciences. *Nano Today*, **2014**, 9, 172-196	17.9	108
98	DETERMINATION OF HYDROXYPYRENE TRISULFONATE BY TWO WAVELENGTH EXCITATION FLUORESCENCE USING A ONE MICROLITER CAPILLARY. *Instrumentation Science and Technology*, **2014**, 42, 627-634	1.4	
97	Long-term room-temperature hydrazine/air fuel cells based on low-cost nanotextured Cu□Ni catalysts. *Journal of Power Sources*, **2014**, 246, 423-429	8.9	37
96	Large-scale ordered 1D-nanomaterials arrays: Assembly or not?. *Nano Today*, **2013**, 8, 677-694	17.9	63
95	Excited-State Proton Transfer and Proton Diffusion near Hydrophilic Surfaces. *Journal of Physical Chemistry C*, **2013**, 117, 25786-25797	3.8	17
94	Unwrapping Core□Shell Nanowires into Nanoribbon-Based Superstructures. *Angewandte Chemie*, **2013**, 125, 11508-11512	3.6	
93	Nanotechnology meets electrophysiology. *Current Opinion in Biotechnology*, **2013**, 24, 654-63	11.4	10
92	Optically-gated self-calibrating nanosensors: monitoring pH and metabolic activity of living cells. *Nano Letters*, **2013**, 13, 3157-68	11.5	43
91	Innenr□ktitelbild: Unwrapping Core□Shell Nanowires into Nanoribbon-Based Superstructures (Angew. Chem. 43/2013). *Angewandte Chemie*, **2013**, 125, 11637-11637	3.6	
90	Unwrapping core-shell nanowires into nanoribbon-based superstructures. *Angewandte Chemie - International Edition*, **2013**, 52, 11298-302	16.4	4

89	Hydrazine/air direct-liquid fuel cell based on nanostructured copper anodes. *Journal of Power Sources*, **2012**, 204, 116-121	8.9	58
88	On-surface formation of metal nanowire transparent top electrodes on CdSe nanowire array-based photoconductive devices. *ACS Applied Materials & Interfaces*, **2012**, 4, 3157-62	9.5	19
87	Controlled Synthesis of Ferromagnetic Semiconducting Silicon Nanotubes. *Journal of Physical Chemistry C*, **2012**, 116, 8000-8007	3.8	10
86	Non-covalent monolayer-piercing anchoring of lipophilic nucleic acids: preparation, characterization, and sensing applications. *Journal of the American Chemical Society*, **2012**, 134, 280-92	16.4	43
85	Si nanowires forest-based on-chip biomolecular filtering, separation and preconcentration devices: nanowires do it all. *Nano Letters*, **2012**, 12, 4748-56	11.5	91
84	2 Interfacing Biomolecules, Cells and Tissues with Nanowire-based Electrical Devices. *Modern Aspects of Electrochemistry*, **2012**, 67-104		5
83	From crystalline germanium-silicon axial heterostructures to silicon nanowire-nanotubes. *Nano Letters*, **2012**, 12, 1121-8	11.5	27
82	Highly ordered large-scale neuronal networks of individual cells - toward single cell to 3D nanowire intracellular interfaces. *ACS Applied Materials & Interfaces*, **2012**, 4, 3542-9	9.5	45
81	Biorecognition layer engineering: overcoming screening limitations of nanowire-based FET devices. *Nano Letters*, **2012**, 12, 5245-54	11.5	163
80	Confinement-guided shaping of semiconductor nanowires and nanoribbons: "writing with nanowires". *Nano Letters*, **2012**, 12, 7-12	11.5	66
79	Wall-selective chemical alteration of silicon nanotube molecular carriers. *Journal of the American Chemical Society*, **2011**, 133, 1545-52	16.4	26
78	Highly active engineered-enzyme oriented monolayers: formation, characterization and sensing applications. *Journal of Nanobiotechnology*, **2011**, 9, 26	9.4	13
77	Synthesis and cathodoluminescence properties of CdSe/ZnO hierarchical nanostructures. *Journal of Materials Chemistry*, **2011**, 21, 3858		13
76	Nanotextured metal copper substrates as powerful and long-lasting fuel cell anodes. *Nano Letters*, **2011**, 11, 1727-32	11.5	15
75	Electrochemical synthesis of morphology-controlled segmented CdSe nanowires. *ACS Nano*, **2010**, 4, 1901-6	16.7	36
74	Knocking down highly-ordered large-scale nanowire arrays. *Nano Letters*, **2010**, 10, 1202-8	11.5	79
73	The Influence of Doping on the Chemical Composition, Morphology and Electrical Properties of Si(1−x)GexNanowires. *Journal of Physical Chemistry C*, **2010**, 114, 4331-4335	3.8	15
72	Heteroepitaxial Si/ZnO hierarchical nanostructures for future optoelectronic devices. *ChemPhysChem*, **2010**, 11, 809-14	3.2	19

71	A route to high-quality crystalline coaxial core/multishell Ge@Si(GeSi)(n) and Si@(GeSi)(n) nanowire heterostructures. *Advanced Materials*, **2010**, 22, 902-6	24	41
70	Supersensitive Detection of Explosives by Silicon Nanowire Arrays. *Angewandte Chemie*, **2010**, 122, 6982-6987	3.6	14
69	Titelbild: Supersensitive Detection of Explosives by Silicon Nanowire Arrays (Angew. Chem. 38/2010). *Angewandte Chemie*, **2010**, 122, 6835-6835	3.6	5
68	Supersensitive detection of explosives by silicon nanowire arrays. *Angewandte Chemie - International Edition*, **2010**, 49, 6830-5	16.4	233
67	Cover Picture: Supersensitive Detection of Explosives by Silicon Nanowire Arrays (Angew. Chem. Int. Ed. 38/2010). *Angewandte Chemie - International Edition*, **2010**, 49, 6685-6685	16.4	1
66	Comment on "Detection, stimulation, and inhibition of neuronal signals with high-density nanowire transistor arrays". *Science*, **2009**, 323, 1429; author reply 1429	33.3	8
65	Nanomaterials for Neural Interfaces. *Advanced Materials*, **2009**, 21, 3970-4004	24	422
64	Tube-in-Tube and Wire-in-Tube Nano Building Blocks: Towards the Realization of Multifunctional Nanoelectronic Devices. *Angewandte Chemie*, **2009**, 121, 8855-8858	3.6	5
63	Tube-in-tube and wire-in-tube nano building blocks: towards the realization of multifunctional nanoelectronic devices. *Angewandte Chemie - International Edition*, **2009**, 48, 8699-702	16.4	20
62	Weak rectifying behaviour of p-SnS/n-ITO heterojunctions. *Solid-State Electronics*, **2009**, 53, 630-634	1.7	29
61	Shape- and dimension-controlled single-crystalline silicon and SiGe nanotubes: toward nanofluidic FET devices. *Journal of the American Chemical Society*, **2009**, 131, 3679-89	16.4	60
60	Temperature dependent structural properties of nanocrystalline SnS structures. *Applied Physics Letters*, **2009**, 95, 261907	3.4	18
59	Pressure-modulated alloy composition in Si((1-x))Ge(x) nanowires. *Nano Letters*, **2009**, 9, 1775-9	11.5	17
58	Synthesis of hybrid multicomponent disklike nanoparticles. *Nano Letters*, **2008**, 8, 3964-72	11.5	26
57	Ohmic contacts to SnS films: Selection and estimation of thermal stability. *Journal of Applied Physics*, **2008**, 104, 124503	2.5	54
56	Nanowire-Based Nanoelectronic Devices in the Life Sciences. *MRS Bulletin*, **2007**, 32, 142-149	3.2	284
55	Detection, stimulation, and inhibition of neuronal signals with high-density nanowire transistor arrays. *Science*, **2006**, 313, 1100-4	33.3	709
54	Nanowire-based biosensors. *Analytical Chemistry*, **2006**, 78, 4260-9	7.8	605

53	Fabrication of silicon nanowire devices for ultrasensitive, label-free, real-time detection of biological and chemical species. *Nature Protocols*, **2006**, 1, 1711-24	18.8	605
52	Nanowire sensors for medicine and the life sciences. *Nanomedicine*, **2006**, 1, 51-65	5.6	369
51	Multiplexed electrical detection of cancer markers with nanowire sensor arrays. *Nature Biotechnology*, **2005**, 23, 1294-301	44.5	1995
50	Electrochemical control of the photocurrent direction in intercalated DNA/CdS nanoparticle systems. *Angewandte Chemie - International Edition*, **2005**, 44, 4554-7	16.4	125
49	Electrochemical Control of the Photocurrent Direction in Intercalated DNA/CdS Nanoparticle Systems. *Angewandte Chemie*, **2005**, 117, 4630-4633	3.6	24
48	Nanowire nanosensors. *Materials Today*, **2005**, 8, 20-28	21.8	607
47	Parallel and Complementary Detection of Proteins by p-type and n-type Silicon Nanowire Transistor Arrays. *Materials Research Society Symposia Proceedings*, **2005**, 900, 1		
46	Actin-based metallic nanowires as bio-nanotransporters. *Nature Materials*, **2004**, 3, 692-5	27	206
45	Long-range electrical contacting of redox enzymes by SWCNT connectors. *Angewandte Chemie - International Edition*, **2004**, 43, 2113-7	16.4	533
44	Long-Range Electrical Contacting of Redox Enzymes by SWCNT Connectors. *Angewandte Chemie*, **2004**, 116, 2165-2169	3.6	45
43	Amplified telomerase analysis by using rotating magnetic particles: the rapid and sensitive detection of cancer cells. *ChemBioChem*, **2004**, 5, 943-8	3.8	31
42	Electrical detection of single viruses. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 14017-22	11.5	1056
41	Enzyme-catalyzed bio-pumping of electrons into au-nanoparticles: a surface plasmon resonance and electrochemical study. *Journal of the American Chemical Society*, **2004**, 126, 7133-43	16.4	102
40	Electrochemical Assembly of a CdS Semiconductor Nanoparticle Monolayer on Surfaces: Structural Properties and Photoelectrochemical Applications. *Journal of Physical Chemistry B*, **2004**, 108, 5875-5881	3.4	103
39	Magneto-mechanical detection of nucleic acids and telomerase activity in cancer cells. *Journal of the American Chemical Society*, **2004**, 126, 1073-80	16.4	77
38	Telomerase-Generated Templates for the Growing of Metal Nanowires. *Nano Letters*, **2004**, 4, 787-792	11.5	64
37	Multiplexed Electrical Detection of Single Viruses. *Materials Research Society Symposia Proceedings*, **2004**, 828, 97		1
36	"Plugging into Enzymes": nanowiring of redox enzymes by a gold nanoparticle. *Science*, **2003**, 299, 1877-81	33.3	1138

35	Magnetically Amplified DNA Assays (MADA): Sensing of Viral DNA and Single-Base Mismatches by Using Nucleic Acid Modified Magnetic Particles. *Angewandte Chemie*, **2003**, 115, 2474-2478	3.6	18
34	Highly sensitive amplified electronic detection of DNA by biocatalyzed precipitation of an insoluble product onto electrodes. *Chemistry - A European Journal*, **2003**, 9, 1137-45	4.8	78
33	Magnetically amplified DNA assays (MADA): sensing of viral DNA and single-base mismatches by using nucleic acid modified magnetic particles. *Angewandte Chemie - International Edition*, **2003**, 42, 2372-6	16.4	114
32	Amplified DNA sensing and immunosensing by the rotation of functional magnetic particles. *Journal of the American Chemical Society*, **2003**, 125, 3452-4	16.4	111
31	Lighting-up the dynamics of telomerization and DNA replication by CdSe-ZnS quantum dots. *Journal of the American Chemical Society*, **2003**, 125, 13918-9	16.4	330
30	Electrocatalytic intercalator-induced winding of double-stranded DNA with polyaniline. *Chemical Communications*, **2003**, 1540-1	5.8	29
29	Au-Nanoparticle Nanowires Based on DNA and Polylysine Templates. *Angewandte Chemie*, **2002**, 114, 2429-2433	3.6	32
28	Amplified DNA Detection by Electrogenerated Biochemiluminescence and by the Catalyzed Precipitation of an Insoluble Product on Electrodes in the Presence of the Doxorubicin Intercalator. *Angewandte Chemie*, **2002**, 114, 3548-3552	3.6	28
27	Au-nanoparticle nanowires based on DNA and polylysine templates. *Angewandte Chemie - International Edition*, **2002**, 41, 2323-7	16.4	179
26	Amplified DNA detection by electrogenerated biochemiluminescence and by the catalyzed precipitation of an insoluble product on electrodes in the presence of the doxorubicin intercalator. *Angewandte Chemie - International Edition*, **2002**, 41, 3398-402	16.4	119
25	Redox-active nucleic-acid replica for the amplified bioelectrocatalytic detection of viral DNA. *Journal of the American Chemical Society*, **2002**, 124, 770-2	16.4	203
24	Electrical contacting of glucose dehydrogenase by the reconstitution of a pyrroloquinoline quinone-functionalized polyaniline film associated with an Au-electrode: an in situ electrochemical SPR study. *Chemical Communications*, **2002**, 1936-7	5.8	50
23	Amplified detection of single-base mismatches in DNA using microgravimetric quartz-crystal-microbalance transduction. *Talanta*, **2002**, 56, 847-56	6.2	126
22	Photoelectrochemistry with Controlled DNA-Cross-Linked CdS Nanoparticle Arrays. *Angewandte Chemie*, **2001**, 113, 1913-1916	3.6	55
21	Electronic Transduction of Polymerase or Reverse Transcriptase Induced Replication Processes on Surfaces: Highly Sensitive and Specific Detection of Viral Genomes. *Angewandte Chemie*, **2001**, 113, 2321-2325	3.6	4
20	Photoelectrochemistry with Controlled DNA-Cross-Linked CdS Nanoparticle Arrays. *Angewandte Chemie - International Edition*, **2001**, 40, 1861-1864	16.4	279
19	Electronic Transduction of Polymerase or Reverse Transcriptase Induced Replication Processes on Surfaces: Highly Sensitive and Specific Detection of Viral Genomes. *Angewandte Chemie - International Edition*, **2001**, 40, 2261-2265	16.4	63
18	Detection of single-base DNA mutations by enzyme-amplified electronic transduction. *Nature Biotechnology*, **2001**, 19, 253-7	44.5	341

17	Electronic transduction of DNA sensing processes on surfaces: amplification of DNA detection and analysis of single-base mismatches by tagged liposomes. *Journal of the American Chemical Society*, **2001**, 123, 5194-205	16.4	239
16	Amplified detection of DNA and analysis of single-base mismatches by the catalyzed deposition of gold on Au-nanoparticles. *Analyst, The*, **2001**, 126, 1502-4	5	156
15	Probing of DNA and Single-Base Mismatches by Chemical Force Microscopy Using Peptide Nucleic Acid-Modified Sensing Tips and Functionalized Surfaces. *Langmuir*, **2001**, 17, 5134-5136	4	17
14	Electrochemical Transduction of Liposome-Amplified DNA Sensing. *Angewandte Chemie*, **2000**, 112, 970-973	3.6	9
13	Electrochemical Transduction of Liposome-Amplified DNA Sensing. *Angewandte Chemie - International Edition*, **2000**, 39, 940-943	16.4	125
12	Dendritic amplification of DNA analysis by oligonucleotide-functionalized Au-nanoparticles. *Chemical Communications*, **2000**, 1025-1026	5.8	124
11	Amplified Microgravimetric Quartz-Crystal-Microbalance Assay of DNA Using Oligonucleotide-Functionalized Liposomes or Biotinylated Liposomes. *Journal of the American Chemical Society*, **2000**, 122, 418-419	16.4	172
10	Ultrasensitive and Specific Electronic Transduction of DNA Sensing Processes **2000**, 47-78		
9	Controlled electrocatalysis by microperoxidase-11 and Au-nanoparticle superstructures on conductive supports. *Journal of Electroanalytical Chemistry*, **1999**, 479, 69-73	4.1	99
8	Photochemical Imprint of Molecular Recognition Sites in Monolayers Assembled on Au Electrodes. *Journal of the American Chemical Society*, **1999**, 121, 862-863	16.4	64
7	Sensing and amplification of oligonucleotide-DNA interactions by means of impedance spectroscopy: a route to a Tay Sachs sensor. *Chemical Communications*, **1999**, 21-22	5.8	158
6	Precipitation of an insoluble product on enzyme monolayer electrodes for biosensor applications: characterization by Faradaic impedance spectroscopy, cyclic voltammetry, and microgravimetric quartz crystal microbalance analyses. *Analytical Chemistry*, **1999**, 71, 3171-80	7.8	211
5	Enzyme-Linked Amplified Electrochemical Sensing of Oligonucleotide DNA Interactions by Means of the Precipitation of an Insoluble Product and Using Impedance Spectroscopy. *Langmuir*, **1999**, 15, 3703-3706	4	172
4	A Crosslinked Microperoxidase-11 and Nitrate Reductase Monolayer on a Gold Electrode: An Integrated Electrically Contacted Electrode for the Bioelectrocatalyzed Reduction of NO_3^- *Chemistry - A European Journal*, **1998**, 4, 1068-1073	4.8	42
3	C60-mediated bioelectrocatalyzed oxidation of glucose with glucose oxidase. *Journal of Electroanalytical Chemistry*, **1998**, 454, 9-13	4.1	48
2	Photoswitchable Antigen Antibody Interactions Studied by Impedance Spectroscopy. *Journal of Physical Chemistry B*, **1998**, 102, 10359-10367	3.4	95
1	Biofuel cell based on glucose oxidase and microperoxidase-11 monolayer-functionalized electrodes. *Journal of the Chemical Society Perkin Transactions II*, **1998**, 1817-1822		93