

Fernando patolsky

List of Publications by Year in descending order

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papers

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149
docs citations

149
times ranked

16766
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed electrical detection of cancer markers with nanowire sensor arrays. <i>Nature Biotechnology</i> , 2005, 23, 1294-1301.	17.5	2,249
2	"Plugging into Enzymes": Nanowiring of Redox Enzymes by a Gold Nanoparticle. <i>Science</i> , 2003, 299, 1877-1881.	12.6	1,248
3	Electrical detection of single viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14017-14022.	7.1	1,208
4	Detection, Stimulation, and Inhibition of Neuronal Signals with High-Density Nanowire Transistor Arrays. <i>Science</i> , 2006, 313, 1100-1104.	12.6	797
5	Fabrication of silicon nanowire devices for ultrasensitive, label-free, real-time detection of biological and chemical species. <i>Nature Protocols</i> , 2006, 1, 1711-1724.	12.0	709
6	Nanowire-Based Biosensors. <i>Analytical Chemistry</i> , 2006, 78, 4260-4269.	6.5	671
7	Nanowire nanosensors. <i>Materials Today</i> , 2005, 8, 20-28.	14.2	667
8	Long-Range Electrical Contacting of Redox Enzymes by SWCNT Connectors. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2113-2117.	13.8	591
9	Nanomaterials for Neural Interfaces. <i>Advanced Materials</i> , 2009, 21, 3970-4004.	21.0	460
10	Nanowire sensors for medicine and the life sciences. <i>Nanomedicine</i> , 2006, 1, 51-65.	3.3	422
11	Detection of single-base DNA mutations by enzyme-amplified electronic transduction. <i>Nature Biotechnology</i> , 2001, 19, 253-257.	17.5	367
12	Lighting-Up the Dynamics of Telomerization and DNA Replication by CdSe/ZnS Quantum Dots. <i>Journal of the American Chemical Society</i> , 2003, 125, 13918-13919.	13.7	354
13	Nanowire-Based Nanoelectronic Devices in the Life Sciences. <i>MRS Bulletin</i> , 2007, 32, 142-149.	3.5	323
14	Photoelectrochemistry with Controlled DNA-Cross-Linked CdS Nanoparticle Arrays. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1861-1864.	13.8	319
15	Electronic Transduction of DNA Sensing Processes on Surfaces: Amplification of DNA Detection and Analysis of Single-Base Mismatches by Tagged Liposomes. <i>Journal of the American Chemical Society</i> , 2001, 123, 5194-5205.	13.7	260
16	Supersensitive Detection of Explosives by Silicon Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6830-6835.	13.8	254
17	Actin-based metallic nanowires as bio-nanotransporters. <i>Nature Materials</i> , 2004, 3, 692-695.	27.5	231
18	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. <i>Analytical Chemistry</i> , 1999, 71, 3171-3180.	6.5	229

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19	Redox-Active Nucleic-Acid Replica for the Amplified Bioelectrocatalytic Detection of Viral DNA. <i>Journal of the American Chemical Society</i> , 2002, 124, 770-772.	13.7	218
20	Au-Nanoparticle Nanowires Based on DNA and Polylysine Templates. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2323-2327.	13.8	209
21	Biorecognition Layer Engineering: Overcoming Screening Limitations of Nanowire-Based FET Devices. <i>Nano Letters</i> , 2012, 12, 5245-5254.	9.1	197
22	Enzyme-Linked Amplified Electrochemical Sensing of Oligonucleotide-DNA Interactions by Means of the Precipitation of an Insoluble Product and Using Impedance Spectroscopy. <i>Langmuir</i> , 1999, 15, 3703-3706.	3.5	189
23	Amplified Microgravimetric Quartz-Crystal-Microbalance Assay of DNA Using Oligonucleotide-Functionalized Liposomes or Biotinylated Liposomes. <i>Journal of the American Chemical Society</i> , 2000, 122, 418-419.	13.7	188
24	Supersensitive fingerprinting of explosives by chemically modified nanosensors arrays. <i>Nature Communications</i> , 2014, 5, 4195.	12.8	169
25	Sensing and amplification of oligonucleotide-DNA interactions by means of impedance spectroscopy: a route to a Taylor-Sachs sensor. <i>Chemical Communications</i> , 1999, , 21-22.	4.1	168
26	Amplified detection of DNA and analysis of single-base mismatches by the catalyzed deposition of gold on Au-nanoparticles. <i>Analyst</i> , The, 2001, 126, 1502-1504.	3.5	167
27	Dendritic amplification of DNA analysis by oligonucleotide-functionalized Au-nanoparticles. <i>Chemical Communications</i> , 2000, , 1025-1026.	4.1	146
28	Amplified detection of single-base mismatches in DNA using microgravimetric quartz-crystal-microbalance transduction. <i>Talanta</i> , 2002, 56, 847-856.	5.5	137
29	Light-emitting self-assembled peptide nucleic acids exhibit both stacking interactions and Watson-Crick base pairing. <i>Nature Nanotechnology</i> , 2015, 10, 353-360.	31.5	136
30	Electrochemical Control of the Photocurrent Direction in Intercalated DNA/CdS Nanoparticle Systems. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4554-4557.	13.8	133
31	Amplified DNA Detection by Electrogenenerated Biochemiluminescence and by the Catalyzed Precipitation of an Insoluble Product on Electrodes in the Presence of the Doxorubicin Intercalator. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3398-3402.	13.8	130
32	Electrochemical Transduction of Liposome-Amplified DNA Sensing. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 940-943.	13.8	129
33	Engineering vertically aligned semiconductor nanowire arrays for applications in the life sciences. <i>Nano Today</i> , 2014, 9, 172-196.	11.9	125
34	Magnetically Amplified DNA Assays (MADA): Sensing of Viral DNA and Single-Base Mismatches by Using Nucleic Acid Modified Magnetic Particles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2372-2376.	13.8	122
35	Amplified DNA Sensing and Immunosensing by the Rotation of Functional Magnetic Particles. <i>Journal of the American Chemical Society</i> , 2003, 125, 3452-3454.	13.7	116
36	Tissue-like Silicon Nanowires-Based Three-Dimensional Anodes for High-Capacity Lithium Ion Batteries. <i>Nano Letters</i> , 2015, 15, 3907-3916.	9.1	111

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37	Enzyme-Catalyzed Bio-Pumping of Electrons into Au-Nanoparticles: A Surface Plasmon Resonance and Electrochemical Study. <i>Journal of the American Chemical Society</i> , 2004, 126, 7133-7143.	13.7	110
38	Electrochemical Assembly of a CdS Semiconductor Nanoparticle Monolayer on Surfaces: Structural Properties and Photoelectrochemical Applications. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5875-5881.	2.6	108
39	Controlled electrocatalysis by microperoxidase-11 and Au-nanoparticle superstructures on conductive supports. <i>Journal of Electroanalytical Chemistry</i> , 1999, 479, 69-73.	3.8	107
40	Full rotational control of levitated silicon nanorods. <i>Optica</i> , 2017, 4, 356.	9.3	105
41	Photoswitchable Antigen-Antibody Interactions Studied by Impedance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10359-10367.	2.6	103
42	Si Nanowires Forest-Based On-Chip Biomolecular Filtering, Separation and Preconcentration Devices: Nanowires Do it All. <i>Nano Letters</i> , 2012, 12, 4748-4756.	9.1	102
43	Biofuel cell based on glucose oxidase and microperoxidase-11 monolayer-functionalized electrodes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1817-1822.	0.9	101
44	Knocking Down Highly-Ordered Large-Scale Nanowire Arrays. <i>Nano Letters</i> , 2010, 10, 1202-1208.	9.1	87
45	Magneto-Mechanical Detection of Nucleic Acids and Telomerase Activity in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 1073-1080.	13.7	85
46	Optically driven ultra-stable nanomechanical rotor. <i>Nature Communications</i> , 2017, 8, 1670.	12.8	83
47	Highly Sensitive Amplified Electronic Detection of DNA By Biocatalyzed Precipitation of an Insoluble Product onto Electrodes. <i>Chemistry - A European Journal</i> , 2003, 9, 1137-1145.	3.3	80
48	Confinement-Guided Shaping of Semiconductor Nanowires and Nanoribbons: Writing with Nanowires. <i>Nano Letters</i> , 2012, 12, 7-12.	9.1	77
49	Photochemical Imprint of Molecular Recognition Sites in Monolayers Assembled on Au Electrodes. <i>Journal of the American Chemical Society</i> , 1999, 121, 862-863.	13.7	74
50	Large-scale ordered 1D-nanomaterials arrays: Assembly or not?. <i>Nano Today</i> , 2013, 8, 677-694.	11.9	73
51	Electronic Transduction of Polymerase or Reverse Transcriptase Induced Replication Processes on Surfaces: Highly Sensitive and Specific Detection of Viral Genomes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2261-2265.	13.8	72
52	Telomerase-Generated Templates for the Growing of Metal Nanowires. <i>Nano Letters</i> , 2004, 4, 787-792.	9.1	68
53	Shape- and Dimension-Controlled Single-Crystalline Silicon and SiGe Nanotubes: Toward Nanofluidic FET Devices. <i>Journal of the American Chemical Society</i> , 2009, 131, 3679-3689.	13.7	67
54	Hydrazine/air direct-liquid fuel cell based on nanostructured copper anodes. <i>Journal of Power Sources</i> , 2012, 204, 116-121.	7.8	67

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55	Ohmic contacts to SnS films: Selection and estimation of thermal stability. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	62
56	Cavity-Assisted Manipulation of Freely Rotating Silicon Nanorods in High Vacuum. <i>Nano Letters</i> , 2015, 15, 5604-5608.	9.1	62
57	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. <i>Chemical Communications</i> , 2002, , 1936-1937.	4.1	54
58	C60-mediated bioelectrocatalyzed oxidation of glucose with glucose oxidase. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 9-13.	3.8	53
59	Large-Scale Self-Catalyzed Spongelike Silicon Nano-Network-Based 3D Anodes for High-Capacity Lithium-Ion Batteries. <i>Nano Letters</i> , 2019, 19, 1944-1954.	9.1	53
60	Antigen-Dissociation from Antibody-Modified Nanotransistor Sensor Arrays as a Direct Biomarker Detection Method in Unprocessed Biosamples. <i>Nano Letters</i> , 2016, 16, 6272-6281.	9.1	52
61	Highly Ordered Large-Scale Neuronal Networks of Individual Cells “Toward Single Cell to 3D Nanowire Intracellular Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3542-3549.	8.0	51
62	Long-term room-temperature hydrazine/air fuel cells based on low-cost nanotextured Cu@Ni catalysts. <i>Journal of Power Sources</i> , 2014, 246, 423-429.	7.8	49
63	Optically-Gated Self-Calibrating Nanosensors: Monitoring pH and Metabolic Activity of Living Cells. <i>Nano Letters</i> , 2013, 13, 3157-3168.	9.1	48
64	Non-covalent Monolayer-Piercing Anchoring of Lipophilic Nucleic Acids: Preparation, Characterization, and Sensing Applications. <i>Journal of the American Chemical Society</i> , 2012, 134, 280-292.	13.7	47
65	A Crosslinked Microperoxidase-11 and Nitrate Reductase Monolayer on a Gold Electrode: An Integrated Electrically Contacted Electrode for the Bioelectrocatalyzed Reduction of NO ₃ ⁻ . <i>Chemistry - A European Journal</i> , 1998, 4, 1068-1073.	3.3	46
66	A Route to High-Quality Crystalline Coaxial Core/Multishell Ge@Si(GeSi) _n and Si@(GeSi) _n Nanowire Heterostructures. <i>Advanced Materials</i> , 2010, 22, 902-906.	21.0	43
67	Weak rectifying behaviour of p-SnS/n-ITO heterojunctions. <i>Solid-State Electronics</i> , 2009, 53, 630-634.	1.4	40
68	Engineered nano-bio interfaces for intracellular delivery and sampling: Applications, agency and artefacts. <i>Materials Today</i> , 2020, 33, 87-104.	14.2	40
69	Electrochemical Synthesis of Morphology-Controlled Segmented CdSe Nanowires. <i>ACS Nano</i> , 2010, 4, 1901-1906.	14.6	38
70	Manipulating and Monitoring On-Surface Biological Reactions by Light-Triggered Local pH Alterations. <i>Nano Letters</i> , 2015, 15, 4758-4768.	9.1	35
71	Clinic-on-a-Needle Array toward Future Minimally Invasive Wearable Artificial Pancreas Applications. <i>ACS Nano</i> , 2021, 15, 12019-12033.	14.6	35
72	Monolithic Integration of a Silicon Nanowire Field-Effect Transistors Array on a Complementary Metal-Oxide Semiconductor Chip for Biochemical Sensor Applications. <i>Analytical Chemistry</i> , 2015, 87, 9982-9990.	6.5	34

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73	Morphological and chemical stability of silicon nanostructures and their molecular overlayers under physiological conditions: towards long-term implantable nanoelectronic biosensors. <i>Journal of Nanobiotechnology</i> , 2014, 12, 7.	9.1	33
74	Direct and Selective Electrochemical Vapor Trace Detection of Organic Peroxide Explosives via Surface Decoration. <i>Analytical Chemistry</i> , 2019, 91, 5323-5330.	6.5	33
75	Amplified Telomerase Analysis by Using Rotating Magnetic Particles: The Rapid and Sensitive Detection of Cancer Cells. <i>ChemBioChem</i> , 2004, 5, 943-948.	2.6	32
76	Electrocatalytic intercalator-induced winding of double-stranded DNA with polyaniline. <i>Chemical Communications</i> , 2003, , 1540.	4.1	29
77	From Crystalline Germaniumâ€“Silicon Axial Heterostructures to Silicon Nanowireâ€“Nanotubes. <i>Nano Letters</i> , 2012, 12, 1121-1128.	9.1	29
78	Self-Catalyzed Vertically Aligned Carbon Nanotubeâ€“Silicon Coreâ€“Shell Array for Highly Stable, High-Capacity Lithium-Ion Batteries. <i>Langmuir</i> , 2020, 36, 889-896.	3.5	29
79	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 3548-3552.	2.0	28
80	Synthesis of Hybrid Multicomponent Disklike Nanoparticles. <i>Nano Letters</i> , 2008, 8, 3964-3972.	9.1	28
81	Wall-Selective Chemical Alteration of Silicon Nanotube Molecular Carriers. <i>Journal of the American Chemical Society</i> , 2011, 133, 1545-1552.	13.7	27
82	Direct Detection of Uranyl in Urine by Dissociation from Aptamer-Modified Nanosensor Arrays. <i>Analytical Chemistry</i> , 2020, 92, 12528-12537.	6.5	27
83	Light-Controlled Selective Collection-and-Release of Biomolecules by an On-Chip Nanostructured Device. <i>Nano Letters</i> , 2019, 19, 5868-5878.	9.1	23
84	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2474-2478.	2.0	22
85	Tubeâ€“Tube and Wireâ€“Tube Nano Building Blocks: Towards the Realization of Multifunctional Nanoelectronic Devices. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8699-8702.	13.8	22
86	On-Surface Formation of Metal Nanowire Transparent Top Electrodes on CdSe Nanowire Array-Based Photoconductive Devices. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3157-3162.	8.0	22
87	Multicolor Spectral-Specific Silicon Nanodetectors based on Molecularly Embedded Nanowires. <i>Nano Letters</i> , 2018, 18, 190-201.	9.1	22
88	Temperature dependent structural properties of nanocrystalline SnS structures. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	21
89	Heteroepitaxial Si/ZnO Hierarchical Nanostructures for Future Optoelectronic Devices. <i>ChemPhysChem</i> , 2010, 11, 809-814.	2.1	20
90	Excited-State Proton Transfer and Proton Diffusion near Hydrophilic Surfaces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25786-25797.	3.1	19

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91	Pressure-Modulated Alloy Composition in Si _(1-x) Ge _x Nanowires. Nano Letters, 2009, 9, 1775-1779.	9.1	18
92	Nanotextured Metal Copper Substrates as Powerful and Long-Lasting Fuel Cell Anodes. Nano Letters, 2011, 11, 1727-1732.	9.1	18
93	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.	9.1	18
94	Real-time monitoring of bacterial biofilms metabolic activity by a redox-reactive nanosensors array. Journal of Nanobiotechnology, 2020, 18, 81.	9.1	18
95	Breathing parylene-based nanothin artificial SEI for highly-stable long life three-dimensional silicon lithium-ion batteries. Chemical Engineering Journal, 2022, 429, 132077.	12.7	18
96	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.	3.5	17
97	The Influence of Doping on the Chemical Composition, Morphology and Electrical Properties of Si _(1-x) Ge _x Nanowires. Journal of Physical Chemistry C, 2010, 114, 4331-4335.	3.1	16
98	Nanodicing Single Crystalline Silicon Nanowire Arrays. Nano Letters, 2016, 16, 6960-6966.	9.1	16
99	Highly active engineered-enzyme oriented monolayers: formation, characterization and sensing applications. Journal of Nanobiotechnology, 2011, 9, 26.	9.1	15
100	Analysis of Scale-up Parameters in 3D Silicon-Nanowire Lithium-Battery Anodes. Journal of the Electrochemical Society, 2020, 167, 050511.	2.9	15
101	Optically transparent vertical silicon nanowire arrays for live-cell imaging. Journal of Nanobiotechnology, 2021, 19, 51.	9.1	15
102	Synthesis and cathodoluminescence properties of CdSe/ZnO hierarchical nanostructures. Journal of Materials Chemistry, 2011, 21, 3858.	6.7	14
103	Probing the Interactions of Intrinsically Disordered Proteins Using Nanoparticle Tags. Nano Letters, 2015, 15, 3080-3087.	9.1	14
104	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. Chemistry - A European Journal, 2018, 24, 15750-15755.	3.3	14
105	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, 6, e2200181.	8.6	14
106	Rapid Collection and Aptamer-Based Sensitive Electrochemical Detection of Soybean Rust Fungi Airborne Urediniospores. ACS Sensors, 2021, 6, 1187-1198.	7.8	13
107	Shape induced sorting <i>via</i> rim-to-rim complementarity in the formation of pillar[5,6]arene-based supramolecular organogels. Organic Chemistry Frontiers, 2019, 6, 3348-3354.	4.5	12
108	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.	14.6	12

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109	Nanotechnology meets electrophysiology. <i>Current Opinion in Biotechnology</i> , 2013, 24, 654-663.	6.6	11
110	Controlled Synthesis of Ferromagnetic Semiconducting Silicon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8000-8007.	3.1	10
111	Nanobiotechnology: synthetic biology meets materials science. <i>Current Opinion in Biotechnology</i> , 2013, 24, 551-554.	6.6	9
112	Self-transforming stainless-steel into the next generation anode material for lithium ion batteries. <i>Journal of Energy Chemistry</i> , 2022, 64, 432-441.	12.9	9
113	Response to Comment on "Detection, Stimulation, and Inhibition of Neuronal Signals with High-Density Nanowire Transistor Arrays". <i>Science</i> , 2009, 323, 1429-1429.	12.6	8
114	Vapor Trace Collection and Direct Ultrasensitive Detection of Nitro-Explosives by 3D Microstructured Electrodes. <i>Analytical Chemistry</i> , 2019, 91, 14375-14382.	6.5	8
115	Direct whole blood analysis by the antigen-antibody chemically-delayed dissociation from nanosensors arrays. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112658.	10.1	7
116	Three-Dimensional Monolithically Self-Grown Metal Oxide Highly Dense Nanonetworks as Free-Standing High-Capacity Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28911-28923.	8.0	7
117	Thermally-treated nanowire-structured stainless-steel as an attractive cathode material for lithium-ion batteries. <i>Nano Energy</i> , 2020, 76, 105054.	16.0	6
118	Synthesis and electrochemical performance of silicon-nanowire alloy anodes. <i>RSC Advances</i> , 2021, 11, 26586-26593.	3.6	6
119	Depletion of Highly Abundant Protein Species from Biosamples by the Use of a Branched Silicon Nanopillar On-Chip Platform. <i>Analytical Chemistry</i> , 2021, 93, 14527-14536.	6.5	6
120	2 Interfacing Biomolecules, Cells and Tissues with Nanowire-based Electrical Devices. <i>Modern Aspects of Electrochemistry</i> , 2012, , 67-104.	0.2	5
121	Novel non-invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1135-1146.	4.2	5
122	Multiplexed Electrical Detection of Single Viruses. <i>Materials Research Society Symposia Proceedings</i> , 2004, 828, 97.	0.1	4
123	Unwrapping Core-Shell Nanowires into Nanoribbon-Based Superstructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11298-11302.	13.8	4
124	Spatially resolved measurement of plasmon dispersion using Fourier-plane spectral imaging. <i>Photonics Research</i> , 2018, 6, 653.	7.0	4
125	Diversely Doped Uniform Silicon Nanotube Axial Heterostructures Enabled by "Dopant Reflection". <i>Langmuir</i> , 2021, 37, 1247-1254.	3.5	3
126	Ultrafast high-capacity capture and release of uranium by a light-switchable nanotextured surface. <i>Nanoscale Advances</i> , 2021, 3, 3615-3626.	4.6	3

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127	Cover Picture: Supersensitive Detection of Explosives by Silicon Nanowire Arrays (Angew. Chem. Int.) Tj ETQq1 1 0.784314 rgBT /Overlo	13.8	1
128	Controlled Formation of Radial Core-Shell Si/Metal Silicide Crystalline Heterostructures. Nano Letters, 2018, 18, 70-80.	9.1	1
129	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. Chemistry - A European Journal, 2018, 24, 15695-15695.	3.3	1
130	Parallel and Complementary Detection of Proteins by p-type and n-type Silicon Nanowire Transistor Arrays. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
131	Innen-¼ktitelbild: Unwrapping Core-Shell Nanowires into Nanoribbon-Based Superstructures (Angew. Chem. 43/2013). Angewandte Chemie, 2013, 125, 11637-11637.	2.0	0
132	DETERMINATION OF HYDROXYPYRENE TRISULFONATE BY TWO WAVELENGTH EXCITATION FLUORESCENCE USING A ONE MICROLITER CAPILLARY. Instrumentation Science and Technology, 2014, 42, 627-634.	1.8	0
133	Pouch-Cell Architecture Downscaled to Coin Cells for Electrochemical Characterization of Bilateral Electrodes**. Batteries and Supercaps, 2021, 4, 767-770.	4.7	0
134	Ultrasensitive and Specific Electronic Transduction of DNA Sensing Processes. , 2000, , 47-78.		0
135	Novel non invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles. , 2018, , .		0