

Hua-Zhong Yu

List of Publications by Year in descending order

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165
papers

5,693
citations

76031

42
h-index

107981

68
g-index

168
all docs

168
docs citations

168
times ranked

7356
citing authors

#	ARTICLE	IF	CITATIONS
1	Click-Cucurbit[7]uril Hosts on Self-Assembled Monolayers: Quantitative Supramolecular Complexation with Ferrocene Guests. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1661-1671.	1.5	5
2	Metastable Metal-Monolayer-Semiconductor Junctions: Diverse Chain-Length-Dependent and Ultraslow Electrical Progression. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7638-7647.	1.5	1
3	A colorimetric immuno-microarray for the quantitation and direct visualization of illicit drugs in body fluids. <i>Analyst</i> , 2021, 146, 538-546.	1.7	3
4	A Mobile Analytical Device for On-Site Quantitation of Anthocyanins in Fruit Beverages. <i>Micromachines</i> , 2021, 12, 246.	1.4	4
5	Functional and versatile superhydrophobic coatings via stoichiometric silanization. <i>Nature Communications</i> , 2021, 12, 982.	5.8	132
6	A WiFi scanner in conjunction with disposable multiplex paper assay for the quantitation of disease markers in blood plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4625-4634.	1.9	6
7	A Long and Reversibly Self-Assembling 1D DNA Nanostructure Built from Triplex and Quadruplex Hybrid Tiles. <i>Angewandte Chemie</i> , 2021, 133, 8804-8809.	1.6	2
8	A Long and Reversibly Self-Assembling 1D DNA Nanostructure Built from Triplex and Quadruplex Hybrid Tiles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8722-8727.	7.2	15
9	Benchtop One-to-One Nanocontact Replication Across Length Scales from 100 nm to 10 cm via Ambient Polycarbonate Molding. <i>Advanced Engineering Materials</i> , 2021, 23, 2100048.	1.6	0
10	Ultrasensitive detection of total copper with an electrochemical biosensor built on the in cis coupling of hexynyl CLICK-17 DNAzyme with azido self-assembled monolayers. <i>Electrochimica Acta</i> , 2021, 379, 138125.	2.6	5
11	Development and Application of Mobile Apps for Molecular Sensing: A Review. <i>ACS Sensors</i> , 2021, 6, 1731-1744.	4.0	38
12	Three-Dimensional Conductive Fingerprint Phantoms Made of Ethylene-Vinyl Acetate/Graphene Nanocomposite for Evaluating Smartphone Scanners. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2097-2105.	2.0	4
13	Carbon tape-assisted electrodeposition and characterization of arrayed micro-/nanostructures. <i>Electrochimica Acta</i> , 2021, 380, 138192.	2.6	3
14	Flexible Graphene substrates for electrochemical analysis and construction of functional nanostructures. <i>Electrochimica Acta</i> , 2021, 392, 139008.	2.6	1
15	Quantitative pH Determination Based on the Dominant Wavelength Analysis of Commercial Test Strips. <i>Analytical Chemistry</i> , 2021, 93, 15452-15458.	3.2	17
16	Electrochemical Quantitation of Supramolecular Excipient@Drug Complexation: A General Assay Strategy Based on Competitive Host Binding with Surface-Immobilized Redox Guest. <i>Analytical Chemistry</i> , 2020, 92, 2168-2175.	3.2	9
17	Superhydrophobic Polydimethylsiloxane via Nanocontact Molding of Solvent Crystallized Polycarbonate: Optimized Fabrication, Mechanistic Investigation, and Application Potential. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3161-3170.	4.0	17
18	DNAzyme-Catalyzed Click Chemistry for Facilitated Immobilization of Redox Functionalities on Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19083-19090.	1.5	6

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19	Immobilized DNA Switch Modulated by Intermolecular Interactions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13779-13788.	1.5	3
20	CLICK-17, a DNA enzyme that harnesses ultra-low concentrations of either Cu ⁺ or Cu ²⁺ to catalyze the azide-alkyne "click"™ reaction in water. <i>Nucleic Acids Research</i> , 2020, 48, 7356-7370.	6.5	14
21	Measuring and Controlling the Local Environment of Surface-Bound DNA in Self-Assembled Monolayers on Gold When Prepared Using Potential-Assisted Deposition. <i>Langmuir</i> , 2020, 36, 6837-6847.	1.6	14
22	Superhydrophobic Glass Microfiber Filter as Background-Free Substrate for Quantitative Fluorometric Assays. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7665-7672.	4.0	17
23	Exonuclease I-Assisted General Strategy to Convert Aptamer-Based Electrochemical Biosensors from "Signal-Off" to "Signal-On". <i>Analytical Chemistry</i> , 2020, 92, 6229-6234.	3.2	25
24	A versatile fluorometric <i>in situ</i> hybridization method for the quantitation of hairpin conformations in DNA self-assembled monolayers. <i>Analyst, The</i> , 2020, 145, 4522-4531.	1.7	1
25	Indirect Competitive Immunoassay on a Blu-ray Disc for Digitized Quantitation of Food Toxins. <i>ACS Sensors</i> , 2020, 5, 1239-1245.	4.0	6
26	Preparing DNA SAM Electrochemical Sensors Using Potential Assisted Deposition Methods. Controlling the Coverage and Local Organization of the DNA in the SAM.. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2469-2469.	0.0	0
27	From kirigami to three-dimensional paper-based micro-analytical device: cut-and-paste fabrication and mobile app quantitation. <i>RSC Advances</i> , 2019, 9, 23267-23275.	1.7	8
28	Blu-Ray Discs as Universal Biochip Substrates: Lithography-Free Surface Activation and Assay Patterning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37330-37337.	4.0	4
29	Supramolecular Host-Guest Inclusion to Regulate Long-Range Electron Transfer at Highly Oriented Molecular Interfaces. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26315-26323.	1.5	3
30	Electrodepositing DNA Self-Assembled Monolayers on Au: Detailing the Influence of Electrical Potential Perturbation and Surface Crystallography. <i>ACS Sensors</i> , 2019, 4, 513-520.	4.0	12
31	Binary Silanization and Silver Nanoparticle Encapsulation to Create Superhydrophobic Cotton Fabrics with Antimicrobial Capability. <i>Scientific Reports</i> , 2019, 9, 9172.	1.6	22
32	Divergent Pair of Ultrasensitive Mechano-electronic Nanoswitches Made out of DNA. <i>Analytical Chemistry</i> , 2019, 91, 8244-8251.	3.2	3
33	Systematic truncating of aptamers to create high-performance graphene oxide (GO)-based aptasensors for the multiplex detection of mycotoxins. <i>Analyst, The</i> , 2019, 144, 3826-3835.	1.7	16
34	Interactions Between Hemin-Binding DNA Aptamers and Hemin-Graphene Nanosheets: Reduced Affinity but Unperturbed Catalytic Activity. <i>Journal of Analysis and Testing</i> , 2019, 3, 107-116.	2.5	11
35	Excitation-independent hollow orange-fluorescent carbon nanoparticles for pH sensing in aqueous solution and living cells. <i>Talanta</i> , 2019, 196, 109-116.	2.9	23
36	Host-Guest Interaction at Molecular Interfaces: Cucurbit[7]uril as a Sensitive Probe of Structural Heterogeneity in Ferrocenyl Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15986-15995.	1.5	11

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37	Beyond Simple Cartoons: Challenges in Characterizing Electrochemical Biosensor Interfaces. <i>ACS Sensors</i> , 2018, 3, 5-12.	4.0	70
38	Tailoring the DNA SAM surface density on different surface crystallographic features using potential assisted thiol exchange. <i>Electrochimica Acta</i> , 2018, 261, 188-197.	2.6	18
39	Plastic fingerprint replica: solvent-assisted 3D molding and motion-promoted nano-spherulite formation. <i>Canadian Journal of Chemistry</i> , 2018, 96, 431-435.	0.6	2
40	Quantitative comparison of three representative staining methods for the development of multichannel colorimetric biochips. <i>Analytical Methods</i> , 2018, 10, 1715-1724.	1.3	2
41	Binary Thiolate DNA/Ferrocenyl Self-Assembled Monolayers on Gold: A Versatile Platform for Probing Biosensing Interfaces. <i>Analytical Chemistry</i> , 2018, 90, 9174-9181.	3.2	8
42	Fabrication of 3D Fingerprint Phantoms via Unconventional Polycarbonate Molding. <i>Scientific Reports</i> , 2018, 8, 9613.	1.6	22
43	Exonuclease I-Hydrolysis Assisted Electrochemical Quantitation of Surface-Immobilized DNA Hairpins and Improved HIV-1 Gene Detection. <i>Analytical Chemistry</i> , 2018, 90, 8147-8153.	3.2	38
44	Digitized molecular detection on off-the-shelf Blu-ray discs: Upgraded resolution and enhanced sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 79-86.	4.0	5
45	Revealing and Resolving the Restrained Enzymatic Cleavage of DNA Self-Assembled Monolayers on Gold: Electrochemical Quantitation and ESI-MS Confirmation. <i>Analytical Chemistry</i> , 2017, 89, 2464-2471.	3.2	14
46	A non-linear harmonic analysis of potential induced fluorescence modulation of a DNA self assembled monolayer. <i>Electrochimica Acta</i> , 2017, 245, 386-394.	2.6	5
47	Host-Guest Interaction at Molecular Interfaces: Binding of Cucurbit[7]uril on Ferrocenyl Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7985-7992.	1.5	12
48	Superhydrophobic Substrates from Off-the-Shelf Laboratory Filter Paper: Simplified Preparation, Patterning, and Assay Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39728-39735.	4.0	48
49	Integrated Smartphone-App-Chip System for On-Site Parts-Per-Billion-Level Colorimetric Quantitation of Aflatoxins. <i>Analytical Chemistry</i> , 2017, 89, 8908-8916.	3.2	67
50	Facile Preparation of Nanostructured, Superhydrophobic Filter Paper for Efficient Water/Oil Separation. <i>PLoS ONE</i> , 2016, 11, e0151439.	1.1	17
51	Optical disc technology-enabled analytical devices: from hardware modification to digitized molecular detection. <i>Analyst</i> , 2016, 141, 6190-6201.	1.7	2
52	Blu-ray Technology-Based Quantitative Assays for Cardiac Markers: From Disc Activation to Multiplex Detection. <i>Analytical Chemistry</i> , 2016, 88, 6889-6896.	3.2	18
53	Direct Reading of Bona Fide Barcode Assays for Diagnostics with Smartphone Apps. <i>Scientific Reports</i> , 2015, 5, 11727.	1.6	13
54	DNA mechatronic devices switched by K^{+} and by S^{2+} are structurally, topologically, and electronically distinct. <i>Biopolymers</i> , 2015, 103, 460-468.	1.2	1

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55	DNA-Redox Cation Interaction Improves the Sensitivity of an Electrochemical Immunosensor for Protein Detection. <i>Sensors</i> , 2015, 15, 20543-20556.	2.1	6
56	A smartphone-readable barcode assay for the detection and quantitation of pesticide residues. <i>Analyst, The</i> , 2015, 140, 5518-5525.	1.7	51
57	Homogenized redox behavior of electroactive self-assembled monolayers on gold in the organic phase. <i>Electrochimica Acta</i> , 2015, 170, 369-375.	2.6	8
58	Metastable Molecular Metal- Semiconductor Junctions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1826-1831.	1.5	13
59	Indirect Competitive Assays on DVD for Direct Multiplex Detection of Drugs of Abuse in Oral Fluids. <i>Analytical Chemistry</i> , 2015, 87, 1896-1902.	3.2	21
60	Comment on "Image-based ELISA on an activated polypropylene microtest plate" A spectrophotometer-free low cost assay technique. <i>Biosensors and Bioelectronics</i> , 2015, 63, 602-604.	5.3	1
61	Unique Intramolecular Electronic Communications in Mono-ferrocenylpyrimidine Derivatives: Correlation between Redox Properties and Structural Nature. <i>Electrochimica Acta</i> , 2015, 162, 31-35.	2.6	1
62	On-site chip-based colorimetric quantitation of organophosphorus pesticides using an office scanner. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 577-583.	4.0	69
63	Detection and Quantitation of Heavy Metal Ions on Bona Fide DVDs Using DNA Molecular Beacon Probes. <i>Analytical Chemistry</i> , 2015, 87, 5062-5067.	3.2	21
64	Binary DNA hairpin-based colorimetric biochip for simultaneous detection of Pb ²⁺ and Hg ²⁺ in real-world samples. <i>Analyst, The</i> , 2015, 140, 2608-2612.	1.7	20
65	Thin-film voltammetry and its analytical applications: A review. <i>Analytica Chimica Acta</i> , 2015, 855, 1-12.	2.6	14
66	Mobile App-Based Quantitative Scanometric Analysis. <i>Analytical Chemistry</i> , 2014, 86, 11966-11971.	3.2	44
67	DNA Molecular Beacon-Based Plastic Biochip: A Versatile and Sensitive Scanometric Detection Platform. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21788-21797.	4.0	30
68	DNA Electronic Switches Based on Analyte-Responsive Aptamers. <i>Methods in Molecular Biology</i> , 2014, 1103, 267-276.	0.4	2
69	DVD technology-based molecular diagnosis platform: quantitative pregnancy test on a disc. <i>Lab on A Chip</i> , 2014, 14, 1686.	3.1	23
70	Inkjet-Printed Bioassays for Direct Reading with a Multimode DVD/Blu-Ray Optical Drive. <i>Analytical Chemistry</i> , 2014, 86, 8922-8926.	3.2	7
71	Electrochemical Identification of Molecular Heterogeneity in Binary Redox Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13733-13742.	1.5	25
72	Synthesis and photo-sensing properties of ZnO core-shell nanofibers. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 175-182.	4.0	5

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73	Functional DNA switches: rational design and electrochemical signaling. <i>Chemical Society Reviews</i> , 2014, 43, 518-529.	18.7	109
74	DVD diagnostic software for reading disc-based bioassays, a comparative study. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 116-122.	4.0	7
75	Preparation of Transparent Superhydrophobic Glass Slides: Demonstration of Surface Chemistry Characteristics. <i>Journal of Chemical Education</i> , 2013, 90, 1203-1206.	1.1	54
76	Selective dehybridization of DNA-Au nanoconjugates using laser irradiation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15995.	1.3	19
77	Modulated Intermolecular Interactions in Ferrocenylalkanethiolate Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1006-1012.	1.5	53
78	Reading Disc-Based Bioassays with Standard Computer Drives. <i>Accounts of Chemical Research</i> , 2013, 46, 258-268.	7.6	40
79	Facile fabrication of ZnO nanowire-based UV sensors by focused ion beam micromachining and thermal oxidation. <i>Applied Surface Science</i> , 2013, 282, 384-389.	3.1	9
80	Aptamer-Based Electrochemical Biosensors for the Detection of Small Molecules and Plasma Proteins. <i>Neuromethods</i> , 2013, , 319-346.	0.2	1
81	Immobilization of redox-labeled hairpin DNA aptamers on gold: Electrochemical quantitation of epithelial tumor marker mucin 1. <i>Electrochimica Acta</i> , 2013, 110, 139-145.	2.6	57
82	Controlled Wetting on Electrodeposited Oxide Thin Films: From Hydrophilic to Superhydrophobic. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7736-7743.	1.5	15
83	Simple and reproducible method of preparing transparent superhydrophobic glass. <i>Thin Solid Films</i> , 2012, 522, 159-163.	0.8	15
84	Analyte-Driven Switching of DNA Charge Transport: <i>De Novo</i> Creation of Electronic Sensors for an Early Lung Cancer Biomarker. <i>Journal of the American Chemical Society</i> , 2012, 134, 13823-13833.	6.6	33
85	Reduction of Gold Penetration through Phenyl-Terminated Alkyl Monolayers on Silicon. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17040-17047.	1.5	25
86	A Mechano-Electronic DNA Switch. <i>Journal of the American Chemical Society</i> , 2012, 134, 13738-13748.	6.6	63
87	Adenosine-Triggered Elimination of Methylene Blue Noncovalently Bound to Immobilized Functional dsDNA-Aptamer Constructs. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6361-6368.	1.2	15
88	A USB-based electrochemical biosensor prototype for point-of-care diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 908-913.	4.0	41
89	Computer-Readable DNAzyme Assay on Disc for ppb-Level Lead Detection. <i>Analytical Chemistry</i> , 2011, 83, 1557-1563.	3.2	38
90	Preparation of ideal molecular junctions: depositing non-invasive gold contacts on molecularly modified silicon. <i>Nanoscale</i> , 2011, 3, 1434.	2.8	23

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91	A USB-Powered, Stand-Alone Electrochemical Biosensor for Point-of-Care Medical Diagnosis. ECS Meeting Abstracts, 2011, , .	0.0	0
92	Investigation of liquid-liquid interfacial electron transfer kinetics using multicenter ferrocenyl complexes. <i>Electrochimica Acta</i> , 2011, 56, 5788-5793.	2.6	5
93	Formation kinetics and stability of phosphonate self-assembled monolayers on indium-tin oxide. <i>Electrochimica Acta</i> , 2011, 56, 4828-4833.	2.6	26
94	A Robust Electronic Switch Made of Immobilized Duplex/Quadruplex DNA. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9965-9967.	7.2	84
95	Software-based quantitation of bioassays on CD. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 620-623.	4.0	7
96	Long-Term Stability and Electrical Performance of Organic Monolayers on Hydrogen-Terminated Silicon. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10866-10872.	1.5	25
97	Redox Behavior and Ion-Pairing Thermodynamics of Ferrocene and Its Derivatives in the Organic Phase. <i>Journal of Physical Chemistry C</i> , 2010, 114, 617-621.	1.5	16
98	Rational design and performance testing of aptamer-based electrochemical biosensors for adenosine. <i>Journal of Electroanalytical Chemistry</i> , 2009, 635, 75-82.	1.9	18
99	Design and testing of aptamer-based electrochemical biosensors for proteins and small molecules. <i>Bioelectrochemistry</i> , 2009, 77, 1-12.	2.4	142
100	Charge Conduction Properties of a Parallel-Stranded DNA G-Quadruplex: Implications for Chromosomal Oxidative Damage. <i>Biochemistry</i> , 2009, 48, 6794-6804.	1.2	39
101	Water Structure at Superhydrophobic Quartz/Water Interfaces: A Vibrational Sum Frequency Generation Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21155-21161.	1.5	27
102	Probing the Molecular Conformation of Self-Assembled Monolayers at Metal/Semiconductor Interfaces by Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21139-21146.	1.5	15
103	Aptamer-Based Detection of Epithelial Tumor Marker Mucin 1 with Quantum Dot-Based Fluorescence Readout. <i>Analytical Chemistry</i> , 2009, 81, 6130-6139.	3.2	170
104	On the Nature of DNA Self-Assembled Monolayers on Au: Measuring Surface Heterogeneity with Electrochemical in Situ Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 4042-4050.	6.6	125
105	Fungal pathogenic nucleic acid detection achieved with a microfluidic microarray device. <i>Analytica Chimica Acta</i> , 2008, 610, 97-104.	2.6	48
106	Thin-layer electrochemistry of ferrocenylbenzene derivatives: Intramolecular electronic communication. <i>Electrochimica Acta</i> , 2008, 53, 7720-7725.	2.6	30
107	Metal Cation-Induced Deformation of DNA Self-Assembled Monolayers on Silicon: Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 8016-8022.	6.6	45
108	Digitized Molecular Diagnostics: Reading Disk-Based Bioassays with Standard Computer Drives. <i>Analytical Chemistry</i> , 2008, 80, 8216-8223.	3.2	54

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109	Nanoscale Electrical and Structural Characterization of Gold/Alkyl Monolayer/Silicon Diode Junctions. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9081-9088.	1.5	39
110	Polymorphism of Zn[Au(CN) ₂] ₂ and Its Luminescent Sensory Response to NH ₃ Vapor. <i>Journal of the American Chemical Society</i> , 2008, 130, 10662-10673.	6.6	182
111	Inkjet Printed Electrode Arrays for Potential Modulation of DNA Self-Assembled Monolayers on Gold. <i>Analytical Chemistry</i> , 2008, 80, 8814-8821.	3.2	11
112	Immobilized DNA Switches as Electronic Sensors for Picomolar Detection of Plasma Proteins. <i>Journal of the American Chemical Society</i> , 2008, 130, 8023-8029.	6.6	87
113	Aptamer-Based Biosensors for Label-Free Voltammetric Detection of Lysozyme. <i>Analytical Chemistry</i> , 2007, 79, 5158-5164.	3.2	244
114	Monolayer-Directed Electrodeposition of Oxide Thin Films: Surface Morphology versus Chemical Modification. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14157-14164.	1.5	18
115	Non-Evaporating Microdroplets on Self-Assembled Monolayer Surfaces under Ambient Conditions. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7561-7566.	1.2	5
116	DNA Detection on Plastic: Surface Activation Protocol To Convert Polycarbonate Substrates to Biochip Platforms. <i>Analytical Chemistry</i> , 2007, 79, 426-433.	3.2	91
117	Electrochemical impedance and solid-state electrical characterization of silicon (111) modified with functionalized alkyl monolayers. <i>Electrochimica Acta</i> , 2007, 52, 2913-2919.	2.6	12
118	Electrochemical investigation of DNA-modified surfaces: From quantitation methods to experimental conditions. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 156-162.	1.9	49
119	Fabrication of microsensors using unmodified office inkjet printers. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 749-756.	4.0	36
120	Spiral microchannels on a CD for DNA hybridizations. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 64-69.	4.0	37
121	Evaporation of Microdroplets of Ethanol/Water Mixtures on Gold Surfaces Modified with Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11267-11271.	1.2	71
122	Voltammetric study of the ion-exchange binding of non-electroactive metal cations to DNA-modified surfaces. <i>Analyst</i> , 2006, 131, 317-322.	1.7	12
123	Structure and Reactivity of Alkoxy-carbonyl (Ester)-Terminated Monolayers on Silicon: Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4892-4899.	1.2	25
124	Thin-layer electrochemistry of 1,3,5-triferrocenylbenzene: A unique two-step, three-electron redox process. <i>Electrochemistry Communications</i> , 2006, 8, 951-955.	2.3	15
125	New Chemistry on Old CDs. <i>ChemInform</i> , 2005, 36, no.	0.1	0
126	2004 Fred Beamish Award Lecture "Analytical Materials Chemistry on Old CDs" Beyond Self-Assembly. <i>ChemInform</i> , 2005, 36, no.	0.1	0

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127	Versatile Portable Device for Solid-State Electrical Measurements of "Soft" Materials. Japanese Journal of Applied Physics, 2005, 44, 1991-1993.	0.8	7
128	Kinetic Control of the Photochemical Reactivity of Hydrogen-Terminated Silicon with Bifunctional Molecules. Langmuir, 2005, 21, 5013-5018.	1.6	50
129	2004 Fred Beamish Award Lecture "Analytical" materials chemistry on old CDs "Beyond self-assembly." Canadian Journal of Chemistry, 2005, 83, 403-412.	0.6	8
130	Water Microdroplets on Molecularly Tailored Surfaces: "Correlation between Wetting Hysteresis and Evaporation Mode Switching. Journal of Physical Chemistry B, 2005, 109, 17967-17973.	1.2	70
131	Bioreactive Surfaces Prepared via the Self-Assembly of Dendron Thiols and Subsequent Dendrimer Bridging Reactions. Langmuir, 2005, 21, 1858-1865.	1.6	32
132	Evaporation of Water Microdroplets on Self-Assembled Monolayers: From Pinning to Shrinking. ChemPhysChem, 2004, 5, 1035-1038.	1.0	53
133	New chemistry on old CDs. Chemical Communications, 2004, , 2633.	2.2	35
134	m-Terphenyl thiols: rigid and bulky molecules for the formation of bioactive self-assembled monolayers on gold. Chemical Communications, 2004, , 2432.	2.2	5
135	Thin-Layer Electrochemistry of 1,3-Diferrocenyl-2-buten-1-one: "Direct Correlation between Driving Force and Liquid/Liquid Interfacial Electron Transfer Rates. Journal of Physical Chemistry B, 2004, 108, 5742-5746.	1.2	23
136	Structure and Reactivity of Mixed "Carboxyalkyl/Alkyl Monolayers on Silicon: "ATR-FTIR Spectroscopy and Contact Angle Titration. Langmuir, 2004, 20, 4039-4050.	1.6	82
137	Kinetics of Ion-Exchange Binding of Redox Metal Cations to Thiolate "DNA Monolayers on Gold. Analytical Chemistry, 2004, 76, 5953-5959.	3.2	34
138	Molecular Passivation of Mercury "Silicon (p-type) Diode Junctions: "Alkylation, Oxidation, and Alkylsilation. Journal of Physical Chemistry B, 2003, 107, 7803-7811.	1.2	61
139	Alkyl Monolayer Passivated Metal-Semiconductor Diodes: 2: Comparison with Native Silicon Oxide. ChemPhysChem, 2003, 4, 335-342.	1.0	59
140	Voltammetric Procedure for Examining DNA-Modified Surfaces: "Quantitation, Cationic Binding Activity, and Electron-Transfer Kinetics. Analytical Chemistry, 2003, 75, 3902-3907.	3.2	127
141	Effect of Organic Contamination on the Electrical Degradation of Hydrogen-Terminated Silicon upon Exposure to Air under Ambient Conditions. Journal of the Electrochemical Society, 2003, 150, G861.	1.3	10
142	Impact of organic contamination on the electrical properties of hydrogen-terminated silicon under ambient conditions. Applied Physics Letters, 2002, 81, 4967-4969.	1.5	20
143	Direct Visualization of the Hydrolysis Kinetics of Titanium(IV) Alkoxides on Functionalized Gold Surfaces. Journal of Physical Chemistry B, 2002, 106, 3538-3542.	1.2	23
144	Templated Electrochemical Deposition of Zirconia Thin Films on "Recordable CDs" Analytical Chemistry, 2002, 74, 5742-5747.	3.2	48

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145	Ultrafast Dynamics of Porphyrins in the Condensed Phase: I. Free Base Tetraphenylporphyrin. Journal of Physical Chemistry A, 2002, 106, 9837-9844.	1.1	213
146	Ultrafast Dynamics of Porphyrins in the Condensed Phase: II. Zinc Tetraphenylporphyrin. Journal of Physical Chemistry A, 2002, 106, 9845-9854.	1.1	240
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