John T Mcdevitt

List of Publications by Year
in descending order

162 papers	6,574 citations	76322 40 h-index	69246 77 g-index
173 all docs	173 docs citations	173 times ranked	6811 citing authors

#	Article	IF	Citations
1	Current developments in salivary diagnostics. Biomarkers in Medicine, 2010, 4, 171-189.	1.4	304
2	Aptamer-Based Sensor Arrays for the Detection and Quantitation of Proteins. Analytical Chemistry, 2004, 76, 4066-4075.	6.5	302
3	Nano-bio-chips for high performance multiplexed protein detection: Determinations of cancer biomarkers in serum and saliva using quantum dot bioconjugate labels. Biosensors and Bioelectronics, 2009, 24, 3622-3629.	10.1	228
4	Solution-Based Analysis of Multiple Analytes by a Sensor Array:Â Toward the Development of an â€œElectronic Tongueâ€• Journal of the American Chemical Society, 1998, 120, 6429-6430.	13.7	217
5	Differential Receptors Create Patterns Diagnostic for ATP and GTP. Journal of the American Chemical Society, 2003, 125, 1114-1115.	13.7	214
6	Application of microchip assay system for the measurement of C-reactive protein in human saliva. Lab on A Chip, 2005, 5, 261.	6.0	213
7	Development of Multianalyte Sensor Arrays Composed of Chemically Derivatized Polymeric Microspheres Localized in Micromachined Cavities. Journal of the American Chemical Society, 2001, 123, 2559-2570.	13.7	188
8	Self-Assembly of Conjugated Polymers at the Air/Water Interface. Structure and Properties of Langmuir and Langmuirâ^'Blodgett Films of Amphiphilic Regioregular Polythiophenes. Journal of the American Chemical Society, 2000, 122, 5788-5800.	13.7	176
9	Boronic Acid Based Peptidic Receptors for Pattern-Based Saccharide Sensing in Neutral Aqueous Media, an Application in Real-Life Samples. Journal of the American Chemical Society, 2007, 129, 13575-13583.	13.7	173
10	Use of Saliva-Based Nano-Biochip Tests for Acute Myocardial Infarction at the Point of Care: A Feasibility Study. Clinical Chemistry, 2009, 55, 1530-1538.	3.2	173
11	A Microchip CD4 Counting Method for HIV Monitoring in Resource-Poor Settings. PLoS Medicine, 2005, 2, e182.	8.4	169
12	A Microchip-Based Multianalyte Assay System for the Assessment of Cardiac Risk. Analytical Chemistry, 2002, 74, 3030-3036.	6.5	163
13	DNA Hybridization and Discrimination of Single-Nucleotide Mismatches Using Chip-Based Microbead Arrays. Analytical Chemistry, 2003, 75, 4732-4739.	6.5	151
14	Synthetic, electrochemical, optical, and conductivity studies of coordination polymers of iron, ruthenium, and osmium octaethylporphyrin. Journal of the American Chemical Society, 1987, 109, 4606-4614.	13.7	148
15	Differential Receptors Create Patterns That Distinguish Various Proteins. Angewandte Chemie - International Edition, 2005, 44, 6375-6378.	13.8	130
16	Lab-on-a-Chip Methods for Point-of-Care Measurements of Salivary Biomarkers of Periodontitis. Annals of the New York Academy of Sciences, 2007, 1098, 411-428.	3.8	123
17	A Multicomponent Sensing Ensemble in Solution: Differentiation between Structurally Similar Analytes. Angewandte Chemie - International Edition, 2003, 42, 2070-2072.	13.8	118
18	Intra- versus intergranular low-field magnetoresistance of Sr2FeMoO6 thin films. Applied Physics Letters, 1999, 75, 2812-2814.	3.3	100

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19	Nano-Bio-Chip Sensor Platform for Examination of Oral Exfoliative Cytology. Cancer Prevention Research, 2010, 3, 518-528.	1.5	93
20	Interobserver agreement in dysplasia grading: toward an enhanced gold standard for clinical pathology trials. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2015, 120, 474-482.e2.	0.4	86
21	Cell-based sensor for analysis of EGFR biomarker expression in oral cancer. Lab on A Chip, 2007, 7, 995.	6.0	85
22	Clinical decision support tool and rapid point-of-care platform for determining disease severity in patients with COVID-19. Lab on A Chip, 2020, 20, 2075-2085.	6.0	82
23	Translational and Clinical Applications of Salivary Diagnostics. Advances in Dental Research, 2011, 23, 375-380.	3.6	75
24	Citrate and calcium determination in flavored vodkas using artificial neural networks. Tetrahedron, 2003, 59, 10089-10092.	1.9	73
25	Conductive polymers derived from iron, ruthenium, and osmium metalloporphyrins: The shish-kebab approach. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 4581-4585.	7.1	72
26	Polythiophene Nanowires. Advanced Materials, 1999, 11, 1218-1221.	21.0	71
27	A microbead array chemical sensor using capillary-based sample introduction: toward the development of an â€œelectronic tongueâ€• Biosensors and Bioelectronics, 2005, 21, 303-312.	10.1	71
28	A Differential Array of Metalated Synthetic Receptors for the Analysis of Tripeptide Mixtures. Journal of the American Chemical Society, 2005, 127, 17405-17411.	13.7	63
29	Membrane-based on-line optical analysis system for rapid detection of bacteria and spores. Biosensors and Bioelectronics, 2005, 20, 2079-2088.	10.1	62
30	Integration of semiconductor quantum dots into nano-bio-chip systems for enumeration of CD4+ T cell counts at the point-of-need. Lab on A Chip, 2008, 8, 2079.	6.0	62
31	Effect of tolerance factor and local distortion on magnetic properties of the perovskite manganites. Applied Physics Letters, 1999, 75, 1146-1148.	3.3	61
32	A Continuous-Flow Polymerase Chain Reaction Microchip With Regional Velocity Control. Journal of Microelectromechanical Systems, 2006, 15, 223-236.	2.5	61
33	Programmable Nano-Bio-Chip Sensors: Analytical Meets Clinical. Analytical Chemistry, 2010, 82, 1571-1579.	6.5	60
34	Location of Biomarkers and Reagents within Agarose Beads of a Programmable Bioâ€nanoâ€chip. Small, 2011, 7, 613-624.	10.0	56
35	Utility of Salivary Biomarkers for Demonstrating Acute Myocardial Infarction. Journal of Dental Research, 2014, 93, 72S-79S.	5.2	56
36	Grain-boundary room-temperature low-field magnetoresistance in Sr2FeMoO6 films. Journal of Applied Physics, 2000, 87, 6761-6763.	2.5	51

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37	A Multiplexable, Microfluidic Platform for the Rapid Quantitation of a Biomarker Panel for Early Ovarian Cancer Detection at the Point-of-Care. Cancer Prevention Research, 2015, 8, 37-48.	1.5	51
38	Programmable Bio-nanochip Platform: A Point-of-Care Biosensor System with the Capacity To Learn. Accounts of Chemical Research, 2016, 49, 1359-1368.	15.6	49
39	Perspective on Diagnostics for Global Health. IEEE Pulse, 2011, 2, 40-50.	0.3	48
40	Point-of-Care Technologies for Precision Cardiovascular Care and Clinical Research. JACC Basic To Translational Science, 2016, 1, 73-86.	4.1	42
41	Programmable nano-bio-chips: multifunctional clinical tools for use at the point-of-care. Nanomedicine, 2010, 5, 143-155.	3.3	41
42	Characterization of Multicomponent Monosaccharide Solutions Using an Enzyme-Based Sensor Array. Analytical Biochemistry, 2001, 293, 178-184.	2.4	40
43	Programmable Bio-NanoChip Technology for the Diagnosis of Cardiovascular Disease at the Point of Care. Methodist DeBakey Cardiovascular Journal, 2021, 8, 6.	1.0	40
44	Programmable Bio-Nano-Chip Systems for Serum CA125 Quantification: Toward Ovarian Cancer Diagnostics at the Point-of-Care. Cancer Prevention Research, 2012, 5, 706-716.	1.5	39
45	Fluid electrolyte solutions for electrochemistry at near liquid nitrogen temperatures. Journal of the American Chemical Society, 1989, 111, 4528-4529.	13.7	38
46	Salivary and serum adiponectin and <scp>Câ€reactive protein</scp> levels in acute myocardial infarction related to <scp>body mass index</scp> and oral health. Journal of Periodontal Research, 2017, 52, 419-427.	2.7	37
47	Programmable bio-nano-chip system: a flexible point-of-care platform for bioscience and clinical measurements. Lab on A Chip, 2015, 15, 4020-4031.	6.0	36
48	Reversible modulation of Tc in conductive polymer/high temperature superconductor assemblies. Journal of the American Chemical Society, 1993, 115, 1196-1198.	13.7	35
49	Response of the double-layer capacitance of a high-temperature superconductor/fluid electrolyte interface to the onset of superconductivity. Journal of the American Chemical Society, 1992, 114, 6771-6775.	13.7	34
50	Corrosion reactions of yttrium barium copper oxide (YBa2Cu3O7-x) and thallium barium calcium copper oxide (Tl2Ba2Ca2Cu3O10+x) superconductor phases in aqueous environments. Chemistry of Materials, 1992, 4, 953-959.	6.7	34
51	Surveying the Surface Coordination Chemistry of a Superconductor: Spontaneous Adsorption of Monolayer Films of Redox-Active "Ligands" on YBa2Cu3O7-.delta.. Journal of the American Chemical Society, 1995, 117, 6374-6375.	13.7	34
52	Oral fluids that detect cardiovascular disease biomarkers. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 114, 207-214.	0.4	33
53	Cardiac ScoreCard: A diagnostic multivariate index assay system for predicting a spectrum of cardiovascular disease. Expert Systems With Applications, 2016, 54, 136-147.	7.6	33
54	Managing COVID-19 With a Clinical Decision Support Tool in a Community Health Network: Algorithm Development and Validation. Journal of Medical Internet Research, 2020, 22, e22033.	4.3	33

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55	Liquid Phase Electrochemistry at Ultralow Temperatures. Journal of the Electrochemical Society, 1991, 138, 2308-2315.	2.9	32
56	Environmental reactivity characteristics of copperâ€oxide superconductors. Applied Physics Letters, 1993, 63, 548-550.	3.3	32
57	Multishell Microspheres with Integrated Chromatographic and Detection Layers for Use in Array Sensors. Journal of the American Chemical Society, 2003, 125, 2870-2871.	13.7	32
58	Disposable polydimethylsiloxane/silicon hybrid chips for protein detection. Biosensors and Bioelectronics, 2005, 21, 574-580.	10.1	32
59	Porous Bead-Based Diagnostic Platforms: Bridging the Gaps in Healthcare. Sensors, 2012, 12, 15467-15499.	3.8	31
60	Toward the Development of a Lab-on-a-Chip Dual-Function Leukocyte and C-Reactive Protein Analysis Method for the Assessment of Inflammation and Cardiac Risk. Clinical Chemistry, 2005, 51, 2391-2395.	3.2	30
61	â€˜Cytology-on-a-chipâ€™ based sensors for monitoring of potentially malignant oral lesions. Oral Oncology, 2016, 60, 103-111.	1.5	30
62	Electrochemistry at YBa2Cu3O7 superconductor electrodes at temperatures above Tc. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 243, 465-474.	0.1	29
63	Chain contribution to the Seebeck coefficient inYBa2Cu3O7âˆ’Î´. Physical Review B, 1995, 51, 3250-3253.	3.2	28
64	Improved corrosion resistance of cation substituted YBa2Cu3O7âˆ’Î´. Applied Physics Letters, 1995, 66, 2900-2902.	3.3	28
65	Application of programmable bio-nano-chip system for the quantitative detection of drugs of abuse in oral fluids. Drug and Alcohol Dependence, 2015, 153, 306-313.	3.2	28
66	Polypyrrole Growth on YBa2Cu3O7-Î´Modified with a Self-Assembled Monolayer ofN-(3-Aminopropyl)pyrrole:Â Hardwiring the â€œElectroactive Hot Spotsâ€•on a Superconductor Electrode. Journal of the American Chemical Society, 1996, 118, 11295-11296.	13.7	26
67	Relative corrosion reactivity and surface microstructure of yttrium barium copper oxide (YBa2Cu3O7-x) samples with different oxygen contents. Chemistry of Materials, 1993, 5, 361-365.	6.7	25
68	Electrochemistry of high-temperature superconductors. Challenges and opportunities. Analytical Chemistry, 1993, 65, 535A-545A.	6.5	25
69	Immobilization of a hexaphyrin(1.0.1.0.0.0) derivative onto a tentagel-amino resin and its use in uranyl cation detection. Dalton Transactions, 2008, , 1538.	3.3	24
70	Optical and conductive properties of pyrazine-bridged iron, ruthenium and osmium octaethylporphyrin coordination polymers. Synthetic Metals, 1986, 15, 129-140.	3.9	23
71	Development of a reliable materials base for superconducting electronics. Journal of Materials Research, 1997, 12, 2958-2975.	2.6	23
72	Surface Coordination Chemistry of YBa2Cu3O7-Î´. Langmuir, 1998, 14, 6505-6511.	3.5	23

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73	Pointâ€ofâ€care oral cytology tool for the screening and assessment of potentially malignant oral lesions. Cancer Cytopathology, 2020, 128, 207-220.	2.4	23
74	Title is missing!. Angewandte Chemie, 2003, 115, 2116-2118.	2.0	22
75	Reaction of the oxygen-deficient YBa2Cu3O6 phase with water. Solid State Communications, 1993, 86, 11-14.	1.9	21
76	Optical devices based on dye-coated superconductor junctions: an example of a composite molecule-superconductor device. Journal of the American Chemical Society, 1992, 114, 2737-2738.	13.7	20
77	Contact resistance measurements recorded at conductive polymer/high-temperature superconductor interfaces. The Journal of Physical Chemistry, 1993, 97, 7796-7799.	2.9	20
78	Environmental degradation properties of YBa2Cu3O7â˜Î´ and Y0.6Ca0.4Ba1.6La0.4Cu3O7â˜Î´ thin film structures. Physica C: Superconductivity and Its Applications, 1997, 273, 223-232.	1.2	20
79	Salivary biomarkers associated with myocardial necrosis: results from an alcohol septal ablation model. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 114, 616-623.	0.4	20
80	Do Alkanethiols Adsorb onto the Surfaces of Tlâ˜Baâ˜Caâ˜Cuâ˜O-Based High-Temperature Superconductors? The Critical Role of H2O Content on the Adsorption Process. Langmuir, 1996, 12, 2622-2624.	3.5	19
81	Infrared and Computational Studies of Spontaneously Adsorbed Amine Reagents on YBa2Cu3O7:Â Structural Characterization of Monolayers atop Anisotropic Superconductor Surfaces. Journal of the American Chemical Society, 1998, 120, 2733-2745.	13.7	19
82	Hot embossed polyethylene through-hole chips for bead-based microfluidicdevices. Biosensors and Bioelectronics, 2013, 42, 653-660.	10.1	19
83	Electrochemically assessed corrosion reactivity of YBa2Cu3O7 electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 295, 373-384.	0.1	18
84	Chemically Tailored, Corrosion Resistant, High-Tc Phases. Journal of the American Chemical Society, 1994, 116, 9389-9390.	13.7	18
85	The Discriminatory Power of Differential Receptor Arrays Is Improved by Prescreeningâ€”A Demonstration in the Analysis of Tachykinins and Similar Peptides. Angewandte Chemie - International Edition, 2007, 46, 8212-8215.	13.8	17
86	Molecular Level Control over the Surface and Interfacial Properties of High-Tc Superconductors. Chemistry of Materials, 1996, 8, 811-813.	6.7	16
87	Modeling Analyte Transport and Capture in Porous Bead Sensors. Analytical Chemistry, 2012, 84, 2569-2575.	6.5	16
88	Conductive polymer/high-temperature superconductor composite structures. Advanced Materials, 1993, 5, 755-758.	21.0	15
89	Preparation and Characterization of YBa2Cu3O7-.delta./Polypyrrole Bilayer Structures. Journal of the American Chemical Society, 1994, 116, 9979-9986.	13.7	15
90	A disposable bio-nano-chip using agarose beads for high performance immunoassays. Biosensors and Bioelectronics, 2011, 28, 251-256.	10.1	15

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91	Surface Cleaning and Adsorbate Layer Formation:â€‰ Dual Role of Alkylamines in the Formation of Self-Assembled Monolayers on Cuprate Superconductors. Journal of the American Chemical Society, 1999, 121, 7447-7448.	13.7	14
92	Evidence for high stability against water corrosion of NdBa2Cu3O7Â±Î´ relative to YBa2Cu3O7â^'Î´ and EuBa2Cu3O7â^'Î´. Applied Physics Letters, 2004, 84, 1144-1146.	3.3	14
93	Predictive Modeling of Morbidity and Mortality in Patients Hospitalized With COVID-19 and its Clinical Implications: Algorithm Development and Interpretation. Journal of Medical Internet Research, 2021, 23, e29514.	4.3	14
94	A Microchip-Based Assay for Interleukin-6. Methods in Molecular Biology, 2007, 385, 131-144.	0.9	12
95	Risk Stratification of Oral Potentially Malignant Disorders in Fanconi Anemia Patients Using Autofluorescence Imaging and Cytology-On-A Chip Assay. Translational Oncology, 2018, 11, 477-486.	3.7	11
96	Epoxyâ€Encapsulated Ceramic Superconductor Microelectrodes. Journal of the Electrochemical Society, 1989, 136, 3696-3701.	2.9	10
97	Environmental reactivity characteristics of K3C60 and YBa2Cu3O7â^'x high-temperature superconductor thin films. Solid State Communications, 1993, 88, 431-434.	1.9	10
98	Effects of sample delivery on analyte capture in porous bead sensors. Lab on A Chip, 2012, 12, 5249.	6.0	10
99	Sensors that Learn: The Evolution from Taste Fingerprints to Patterns of Early Disease Detection. Micromachines, 2019, 10, 251.	2.9	10
100	Development of a cytology-based multivariate analytical risk index for oral cancer. Oral Oncology, 2019, 92, 6-11.	1.5	10
101	Photoelectrochemical solar cells. Journal of Chemical Education, 1984, 61, 217.	2.3	9
102	X-Ray absorption spectroscopic studies of ruthenium–octaethylporphyrin dimers. Journal of the Chemical Society Chemical Communications, 1989, , 1360-1362.	2.0	9
103	Programmable bioâ€nanochipâ€based cytologic testing of oral potentially malignant disorders in Fanconi anemia. Oral Diseases, 2015, 21, 593-601.	3.0	9
104	Preparation, Characterization and Room Temperature Electrochemical Response of Bi2Sr2CaCu2â€‰Oâ€‰8 Superconductor Microband Electrodes. Journal of the Electrochemical Society, 1991, 138, 1346-1350.	2.9	8
105	Reversible modulation of superconductivity in YBa 2 Cu 3 O 7-Î´ /polypyrrole sandwich structures. , 1994, 2158, 238.		8
106	Organic conductor/high-T c superconductor bilayer structures. , 1996, , .		8
107	Improved N-layer materials for high-Tc superconductor/normal-metal/superconductor junctions and superconducting quantum interference device sensors. Applied Physics Letters, 1998, 72, 848-850.	3.3	8
108	Electronic absorptions in the high Tc superconductor YBa2Cu3Ox. Journal of the American Chemical Society, 1988, 110, 1301-1302.	13.7	7

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109	Use of a Self-Assembled Monolayer for the Preparation of Crystalline Organic Superconductor/High-Tc Superconductor Structures. Chemistry of Materials, 1996, 8, 2693-2696.	6.7	7
110	Challenges and opportunities for translating medical microdevices: insights from the programmable bio-nano-chip. Bioanalysis, 2016, 8, 905-919.	1.5	7
111	A new bio-nanochip sensor aids oral cancer detection. SPIE Newsroom, 2011, , .	0.1	7
112	Electrochemical Response of YBa2Cu3â€‰Oâ€‰7â€‰â^'â€‰x as a Function of Oxygen Content. Journal of the Electrochemical Society, 1992, 139, 2340-2346.	2.9	6
113	Microchip-Based Enumeration of Human White Blood Cells. Methods in Molecular Biology, 2007, 385, 53-64.	0.9	6
114	Physical and chemical properties of (Y1?xCax)(Ba2?xLax)Cu3O7??. Journal of Superconductivity and Novel Magnetism, 1995, 8, 651-652.	0.5	5
115	Antennaâ€coupled highâ€Tc bolometers for visible and nearâ€infrared detection using organic dyes as lightâ€harvesting layers. Applied Physics Letters, 1996, 69, 688-690.	3.3	5
116	Self-assembled monolayer cleaning methods: Towards fabrication of clean high-temperature superconductor nanostructures. Applied Physics Letters, 2005, 86, 154104.	3.3	5
117	Enhancement of performance in porous bead-based microchip sensors: effects of chip geometry on bio-agent capture. RSC Advances, 2015, 5, 48194-48206.	3.6	5
118	Electrochemical and optical devices based on molecule/high-Tc superconductor structures. Electrochimica Acta, 1995, 40, 1319-1329.	5.2	4
119	Possible induction of superconductivity in conductive polymer structures. Synthetic Metals, 1995, 71, 1539-1542.	3.9	4
120	Thermal diffusivity measurements of sub-micron organic dye thin films using a high temperature superconductor bolometer. Applied Physics Letters, 1998, 73, 3387-3389.	3.3	4
121	Electron-Transfer Studies at YBa₂Cu₃O₇, Bi₂Sr_{2.2}Ca_{0.8}Cu₂O₈, and Tl₂Ba₂Ca₂Cu₃O₁₀. ACS Symposium Series, 1988, , 207-222.	0.5	3
122	Electrochemical investigations of various high-temperature superconductor phases. Chemistry of Materials, 1992, 4, 1176-1181.	6.7	3
123	Conductive polymer/high-Tc superconductor bilayer structures. Synthetic Metals, 1997, 85, 1319-1322.	3.9	3
124	Mimicking the Mammalian Sense of Taste Through Single-Component and Multicomponent Analyte Sensors. ACS Symposium Series, 2002, , 276-288.	0.5	3
125	Next Generation Programmable Bio-Nano-Chip System for On-Site Detection in Oral Fluids. Journal of Drug Abuse, 2015, 1, 1-6.	0.2	3
126	Relative Reactivity Trends OP High Temperature Superconductor Phases. Materials Research Society Symposia Proceedings, 1992, 275, 711.	0.1	2

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127	Conductive Polymer Switch For Controlling Superconductivity. Materials Research Society Symposia Proceedings, 1993, 328, 757.	0.1	2
128	Conductive Polymer/Superconductor Thin Film Assemblies. Molecular Crystals and Liquid Crystals, 1994, 256, 571-576.	0.3	2
129	Enhanced Wavelength Selectivity in Molecular Dye Modified High-TcSuperconducting Detectors Using Mirror-Layer Structures. Chemistry of Materials, 1997, 9, 1377-1384.	6.7	2
130	<title>Solution-based analysis of multiple analytes by a sensor array: toward the development of an electronic tongue</title>. , 1998, 3539, 17.		2
131	Disposable Polydimethylsiloxane/Silicon Hybrid Chips for Protein Detection. , 2004, , 331.		2
132	Programmable Bio-Nano-Chip System: A Flexible Diagnostic Platform that Learns. Journal of Biosensors & Bioelectronics, 2015, 06, .	0.4	2
133	XAS studies of ruthenium octaethylporphyrin dimers. Physica B: Condensed Matter, 1989, 158, 217-218.	2.7	1
134	Fabrication Of Organic Dye-Coated High-Tc Superconductor Optical Devices: Interface Chemistry And Properties. Materials Research Society Symposia Proceedings, 1993, 328, 751.	0.1	1
135	Molecule/High-T_c Superconductor Structures as Optical Sensors. Molecular Crystals and Liquid Crystals, 1994, 256, 577-582.	0.3	1
136	Dye-coated superconductor structures as optical sensors. , 1994, 2159, 138.		1
137	Morphological Studies of Conductive Polymers Deposited onto High-Tc Superconductors. ACS Symposium Series, 1995, , 308-316.	0.5	1
138	Molecular engineering of organic conductor / high-Tc superconductor assemblies. Synthetic Metals, 1997, 84, 407-408.	3.9	1
139	Stability measurement of double-side-surface-coated Bi-2212 tape conductors in water environment. Superconductor Science and Technology, 1999, 12, 601-605.	3.5	1
140	Lithographically patterned superconductor bolometer detectors for visible and near-infrared radiation incorporating wavelength-selective light-absorbing elements. , 1999, 3790, 160.		1
141	A Four Color Optical Sensor: Wavelength-Selective Dye/Superconductor Assemblies. ACS Symposium Series, 1999, , 278-291.	0.5	1
142	Improved J/sub c/ of bilayer YBa/sub 2/Cu/sub 3/O/sub 7-Î´/ thin film structures. IEEE Transactions on Applied Superconductivity, 1999, 9, 2002-2005.	1.7	1
143	Structural Characteristics of Self-Assembled Monolayers on a High-Tc Superconductor Probed by Reflectionâ€"Absorption Infrared Spectroscopy. ACS Symposium Series, 1999, , 168-179.	0.5	1
144	Programmable bio-nano-chip system for saliva diagnostics. , 2014, , .		1

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145	Innovative Programmable Bio-Nano-Chip Digitizes Biology Using Sensors That Learn Bridging Biomarker Discovery and Clinical Implementation. Frontiers in Public Health, 2017, 5, 110.	2.7	1
146	A Micromachined Fluidic Structure for Capillary-based Sample Introduction into a Microbead Array Chemical Sensor. Sensor Letters, 2004, 2, 69-72.	0.4	1
147	Conductive Polymer / High-Tc Superconductor Assemblies. Materials Research Society Symposia Proceedings, 1993, 304, 55.	0.1	0
148	Conductive Polymer / Superconductor Sandwich Structures. Materials Research Society Symposia Proceedings, 1993, 318, 671.	0.1	0
149	<title>Application of superconducting technologies as chemical/biological agent electronic eyes</title>. , 1997, 2933, 48.		0
150	<title>Wavelength-selective photodetectors based on dye-superconductor assemblies</title>. , 1997, , .		0
151	Color selective optical sensors based on dye/superconductor assemblies. IEEE Transactions on Applied Superconductivity, 1997, 7, 3255-3258.	1.7	0
152	MacSpartan Plus Wavefunction, Inc., 18401 Von Karman, Suite 370, Irvine, CA 92612. Phone:Â (714) 995-2120. E-mail: sales@wavefun.com, http://www.wavefun.com. Pricing:Â academic $449, government $749, commercial $999. Journal of the American Chemical Society, 1998, 120, 847-847.	13.7	0
153	In Vitro Taste Sensors: Technology and Applications. ACS Symposium Series, 2002, , 262-275.	0.5	0
154	Molybdenum Dioxide and Vanadium-Doped Molybdenum Dioxide Microcrystals in a Polymer Container.. Materials Research Society Symposia Proceedings, 2004, 847, 245.	0.1	0
155	Two-Dimensional Crystalline Lattice Templating: A New Method for the Preparation of Polymer-Covered Metal and Alloyed Metal Nanorods by a Redox Process.. Materials Research Society Symposia Proceedings, 2004, 847, 239.	0.1	0
156	Preparation of Polymer-Covered Metal Nanorods and Metal Microcrystals by Intrinsic Two-Dimensional Crystalline Lattice Templating. Journal of Materials Research, 2005, 20, 3034-3046.	2.6	0
157	Self Assembled Monolayer Methods in the Fabrication of High-Tc Superconductor SNS Junction Nano-Devices. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	0
158	Direct imaging by atomic force microscopy of surface-localized self-assembled monolayers on a cuprate superconductor and surface X-ray scattering analysis of analogous monolayers on the surface of water. Thin Solid Films, 2007, 515, 8424-8429.	1.8	0
159	Nanodevices: Location of Biomarkers and Reagents within Agarose Beads of a Programmable Nano-bio-chip (Small 5/2011). Small, 2011, 7, 612-612.	10.0	0
160	Serum and salivary cardiac analytes in acute myocardial infarction related to oral health status. , 2014, , .		0
161	Development of a Micromachined Fluidic Structure for a Biological and Chemical Sensor Array. , 2001, , 177-178.		0
162	Crystal Engineering for High-Tc Devices. , 1998, , 289-292.		0