Radislav A Potyrailo

List of Publications by Year
in descending order

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153	6,029	94433	74163
papers	citations	37 h-index	75 g-index

162	162	162	6801
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morpho butterfly wing scales demonstrate highly selective vapour response. Nature Photonics, 2007, 1, 123-128.	31.4	518
2	Combinatorial and High-Throughput Screening of Materials Libraries: Review of State of the Art. ACS Combinatorial Science, 2011, 13, 579-633.	3.8	403
3	Selective Gas Sensing with a Single Pristine Graphene Transistor. Nano Letters, 2012, 12, 2294-2298.	9.1	361
4	Adapting Selected Nucleic Acid Ligands (Aptamers) to Biosensors. Analytical Chemistry, 1998, 70, 3419-3425.	6.5	349
5	Multivariable Sensors for Ubiquitous Monitoring of Gases in the Era of Internet of Things and Industrial Internet. Chemical Reviews, 2016, 116, 11877-11923.	47.7	305
6	Materials and Transducers Toward Selective Wireless Gas Sensing. Chemical Reviews, 2011, 111, 7315-7354.	47.7	250
7	Combinatorial and High-Throughput Development of Sensing Materials:â€‰ The First 10 Years. Chemical Reviews, 2008, 108, 770-813.	47.7	232
8	Polymeric Sensor Materials: Toward an Alliance of Combinatorial and Rational Design Tools?. Angewandte Chemie - International Edition, 2006, 45, 702-723.	13.8	172
9	Towards outperforming conventional sensor arrays with fabricated individual photonic vapour sensors inspired by Morpho butterflies. Nature Communications, 2015, 6, 7959.	12.8	171
10	Towards high-speed imaging of infrared photons with bio-inspired nanoarchitectures. Nature Photonics, 2012, 6, 195-200.	31.4	167
11	Battery-free Radio Frequency Identification (RFID) Sensors for Food Quality and Safety. Journal of Agricultural and Food Chemistry, 2012, 60, 8535-8543.	5.2	167
12	Role of high-throughput characterization tools in combinatorial materials science. Measurement Science and Technology, 2005, 16, 1-4.	2.6	135
13	Multianalyte Chemical Identification and Quantitation Using a Single Radio Frequency Identification Sensor. Analytical Chemistry, 2007, 79, 45-51.	6.5	128
14	Optical waveguide sensors in analytical chemistry: today's instrumentation, applications and trends for future development. Fresenius' Journal of Analytical Chemistry, 1998, 362, 349-373.	1.5	104
15	Extraordinary performance of semiconducting metal oxide gas sensors using dielectric excitation. Nature Electronics, 2020, 3, 280-289.	26.0	95
16	Discovery of the surface polarity gradient on iridescent Morpho butterfly scales reveals a mechanism of their selective vapor response. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15567-15572.	7.1	93
17	Theoretical limit of localized surface plasmon resonance sensitivity to local refractive index change and its comparison to conventional surface plasmon resonance sensor. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 994.	1.5	87
18	Optical Trapping with Integrated Near-Field Apertures. Journal of Physical Chemistry B, 2004, 108, 13607-13612.	2.6	80

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19	Toward high value sensing: monolayer-protected metal nanoparticles in multivariable gas and vapor sensors. Chemical Society Reviews, 2017, 46, 5311-5346.	38.1	77
20	Analog Signal Acquisition from Computer Optical Disk Drives for Quantitative Chemical Sensing. Analytical Chemistry, 2006, 78, 5893-5899.	6.5	75
21	Wireless sensors and sensor networks for homeland security applications. TrAC - Trends in Analytical Chemistry, 2012, 40, 133-145.	11.4	75
22	Selective Sensing of Individual Gases Using Graphene Devices. IEEE Sensors Journal, 2013, 13, 2818-2822.	4.7	71
23	The development of combinatorial chemistry methods for coating development. Progress in Organic Coatings, 2002, 45, 313-321.	3.9	66
24	RFID sensors based on ubiquitous passive 13.56â€MHz RFID tags and complex impedance detection. Wireless Communications and Mobile Computing, 2009, 9, 1318-1330.	1.2	66
25	Selective gas nanosensors with multisize CdSe nanocrystal/polymer composite films and dynamic pattern recognition. Applied Physics Letters, 2006, 88, .	3.3	60
26	Development of radio-frequency identification sensors based on organic electronic sensing materials for selective detection of toxic vapors. Journal of Applied Physics, 2009, 106, .	2.5	59
27	Development of Combinatorial Chemistry Methods for Coatings:â€‰ High-Throughput Adhesion Evaluation and Scale-Up of Combinatorial Leads. ACS Combinatorial Science, 2003, 5, 472-478.	3.3	58
28	Development of Combinatorial Chemistry Methods for Coatings:Â High-Throughput Screening of Abrasion Resistance of Coatings Libraries. Analytical Chemistry, 2002, 74, 5105-5111.	6.5	55
29	Near-Ultraviolet Evanescent-Wave Absorption Sensor Based on a Multimode Optical Fiber. Analytical Chemistry, 1998, 70, 1639-1645.	6.5	53
30	Fluorescence Spectroscopy and Multivariate Spectral Descriptor Analysis for High-Throughput Multiparameter Optimization of Polymerization Conditions of Combinatorial 96-Microreactor Arrays. ACS Combinatorial Science, 2003, 5, 8-17.	3.3	46
31	High-Throughput Fabrication, Performance Testing, and Characterization of One-Dimensional Libraries of Polymeric Compositions. Macromolecular Rapid Communications, 2003, 24, 123-130.	3.9	43
32	Multivariable passive RFID vapor sensors: roll-to-roll fabrication on a flexible substrate. Analyst, The, 2012, 137, 2777.	3.5	43
33	Bionanomaterials and Bioinspired Nanostructures for Selective Vapor Sensing. Annual Review of Materials Research, 2013, 43, 307-334.	9.3	43
34	Oxygen detection by fluorescence quenching of tetraphenylporphyrin immobilized in the original cladding of an optical fiber. Analytica Chimica Acta, 1998, 370, 1-8.	5.4	42
35	Position-independent chemical quantitation with passive 13.56-MHz radio frequency identification (RFID) sensors. Talanta, 2008, 75, 624-628.	5.5	40
36	Fabrication and initial characterization of ultrahigh aspect ratio vias in gold using the helium ion microscope. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6P18-C6P23.	1.2	39

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37	Selective Chemical Sensing Using Structurally Colored Core-Shell Colloidal Crystal Films. IEEE Sensors Journal, 2008, 8, 815-822.	4.7	38
38	A passive radio-frequency identification (RFID) gas sensor with self-correction against fluctuations of ambient temperature. Sensors and Actuators B: Chemical, 2013, 185, 587-593.	7.8	38
39	Analytical spectroscopic tools for high-throughput screening of combinatorial materials libraries. TrAC - Trends in Analytical Chemistry, 2003, 22, 374-384.	11.4	37
40	Development of Combinatorial Chemistry Methods for Coatings:Â High-Throughput Optimization of Curing Parameters of Coatings Libraries. Analytical Chemistry, 2002, 74, 5676-5680.	6.5	36
41	High-Throughput Multilevel Performance Screening of Advanced Materials. Angewandte Chemie - International Edition, 2002, 41, 4230-4233.	13.8	36
42	Sensors in Combinatorial Polymer Research. Macromolecular Rapid Communications, 2004, 25, 77-94.	3.9	34
43	Optical Time-of-Flight Chemical Detection:Â Absorption-Modulated Fluorescence for Spatially Resolved Analyte Mapping in a Bidirectional Distributed Fiber-Optic Sensor. Analytical Chemistry, 1998, 70, 3407-3412.	6.5	29
44	Multifunctional sensor system for high-throughput primary, secondary, and tertiary screening of combinatorial materials. Review of Scientific Instruments, 2004, 75, 2177-2186.	1.3	29
45	Boosting Sensitivity of Organic Vapor Detection with Silicone Block Polyimide Polymers. Analytical Chemistry, 2004, 76, 7023-7027.	6.5	28
46	pH indicator based ammonia gas sensor: studies of spectral performance under variable conditions of temperature and humidity. Analyst, The, 1994, 119, 443.	3.5	27
47	High-Throughput Screening of Selectivity of Melt Polymerization Catalysts Using Fluorescence Spectroscopy and Two-Wavelength Fluorescence Imaging. Analytical Chemistry, 2003, 75, 4676-4681.	6.5	27
48	A dual-parameter optical sensor fabricated by gradient axial doping of an optical fibre. Measurement Science and Technology, 2005, 16, 235-241.	2.6	26
49	Analytical instrumentation infrastructure for combinatorial and high-throughput development of formulated discrete and gradient polymeric sensor materials arrays. Review of Scientific Instruments, 2005, 76, 062225.	1.3	26
50	Theory and practice of ubiquitous quantitative chemical analysis using conventional computer optical disk drives. Applied Optics, 2007, 46, 7007.	2.1	26
51	RFID sensors as the common sensing platform for single-use biopharmaceutical manufacturing. Measurement Science and Technology, 2011, 22, 082001.	2.6	26
52	Combinatorial chemistry methods for coating development. Progress in Organic Coatings, 2003, 47, 112-119.	3.9	25
53	Passive multivariable temperature and conductivity RFID sensors for singleâ€use biopharmaceutical manufacturing components. Biotechnology Progress, 2011, 27, 875-884.	2.6	25
54	Detection of Individual Vapors and Their Mixtures Using a Selectivityâ€Tunable Threeâ€Dimensional Network of Plasmonic Nanoparticles. Angewandte Chemie - International Edition, 2013, 52, 10360-10364.	13.8	24

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55	Multivariable bio-inspired photonic sensors for non-condensable gases. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overloc	2.2	24
56	Optical Time-of-Flight Chemical Detection:Â Spatially Resolved Analyte Mapping with Extended-Length Continuous Chemically Modified Optical Fibers. Analytical Chemistry, 1998, 70, 1453-1461.	6.5	22
57	Dynamic high throughput screening of chemical libraries using acoustic-wave sensor system. Review of Scientific Instruments, 2002, 73, 1277-1283.	1.3	22
58	Development of Combinatorial Chemistry Methods for Coatings:Â High-Throughput Weathering Evaluation and Scale-Up of Combinatorial Leads. ACS Combinatorial Science, 2005, 7, 190-196.	3.3	22
59	Wireless resonant sensor array for high-throughput screening of materials. Review of Scientific Instruments, 2007, 78, 072214.	1.3	21
60	Combinatorial Screening of Polymeric Sensing Materials Using RFID Sensors: Combined Effects of Plasticizers and Temperature. ACS Combinatorial Science, 2009, 11, 598-603.	3.3	21
61	Selective sensing of vapors of similar dielectric constants using peptide-capped gold nanoparticles on individual multivariable transducers. Analyst, The, 2013, 138, 4334.	3.5	19
62	Direct laser writing of vapour-responsive photonic arrays. Journal of Materials Chemistry C, 2021, 9, 11674-11678.	5.5	19
63	High-Throughput Determination of Quantitative Structureâ"Property Relationships Using a Resonant Multisensor System:â€‰ Solvent Resistance of Bisphenol A Polycarbonate Copolymers. Analytical Chemistry, 2006, 78, 3090-3096.	6.5	18
64	Selective quantitation of vapors and their mixtures using individual passive multivariable RFID sensors. , 2010, , .		18
65	Digital electrical impedance analysis for single bacterium sensing and antimicrobial susceptibility testing. Lab on A Chip, 2021, 21, 1073-1083.	6.0	18
66	Resonant Multisensor System for High-Throughput Determinations of Solvent/Polymer Interactions. ACS Combinatorial Science, 2004, 6, 869-873.	3.3	17
67	Submicrometer Cavity Surface Plasmon Sensors. Journal of Physical Chemistry B, 2005, 109, 15515-15519.	2.6	16
68	Multisize CdSe Nanocrystal/Polymer Nanocomposites for Selective Vapor Detection Identified from High-Throughput Screening Experimentation. ACS Combinatorial Science, 2012, 14, 170-178.	3.8	16
69	Towards Maintenanceâ€Free Biosensors for Hundreds of Bind/Release Cycles. Angewandte Chemie - International Edition, 2015, 54, 2174-2178.	13.8	16
70	Recognition and Quantification of Perchloroethylene, Trichloroethylene, Vinyl Chloride, and Three Isomers of Dichloroethylene Using Acoustic Wave Sensor Array. Sensor Letters, 2004, 2, 31-36.	0.4	16
71	A simple, highly stable scintillator light source for ultraviolet absorption-based sensors. Analytica Chimica Acta, 1998, 367, 153-157.	5.4	15
72	Evaluation of Ultrasonic Nebulization for the Analysis of Transient Samples: A Theoretical Model and Practical Considerations. Applied Spectroscopy, 1998, 52, 1515-1521.	2.2	15

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73	High Sensitivity Plasmonic Sensing of Hydrogen over a Broad Dynamic Range Using Catalytic Au-CeO₂ Thin Film Nanocomposites. ACS Sensors, 2018, 3, 2684-2692.	7.8	15
74	Multi-wavelength operation of optical disk drives for chemical and biological analysis. Sensors and Actuators B: Chemical, 2009, 136, 203-208.	7.8	13
75	Distributed Fiber-Optic Chemical Sensor with Chemically Modified Plastic Cladding. Applied Spectroscopy, 1998, 52, 1092-1095.	2.2	12
76	Use of the original silicone cladding of an optical fiber as a reagent-immobilization medium for intrinsic chemical sensors. Fresenius' Journal of Analytical Chemistry, 1999, 364, 32-40.	1.5	11
77	Temperature-independent passive RFID pressure sensors for single-use bioprocess components. , 2011, , .		11
78	Bio-inspired gas sensing: boosting performance with sensor optimization guided by â€œmachine learningâ€• Faraday Discussions, 2020, 223, 161-182.	3.2	11
79	Determination of oxidative stability of polypropylene using chemical sensors. Polymer Degradation and Stability, 2004, 83, 375-381.	5.8	10
80	Evaluation of Process Degradation of Polymer Formulations Utilizing High-Throughput Preparation and Analysis Methods. Macromolecular Rapid Communications, 2004, 25, 264-269.	3.9	10
81	Multivariable Electrical Resonant Sensors for Independent Quantitation of Aging and External Contaminants in Lubricating Oils. IEEE Sensors Journal, 2019, 19, 1542-1553.	4.7	10
82	Scintillator Light Source for Chemical Sensing in the Near-Ultraviolet. Analytical Chemistry, 1997, 69, 3375-3379.	6.5	9
83	Spectroscopic and imaging approaches for evaluation of properties of one-dimensional arrays of formulated polymeric materials fabricated in a combinatorial microextruder system. Review of Scientific Instruments, 2005, 76, 062222.	1.3	9
84	Design and Application of Variable Temperature Setup for Scanning Electron Microscopy in Gases and Liquids at Ambient Conditions. Microscopy and Microanalysis, 2015, 21, 765-770.	0.4	9
85	Chemical Sensors Based on Micromachined Transducers with Integrated Piezoresistive Readout. Analytical Chemistry, 2006, 78, 5633-5638.	6.5	8
86	Passive multivariable RFID pH sensors. , 2011, , .		8
87	Kramersâ€“Kronig analysis of molecular evanescent-wave absorption spectra obtained by multimode step-index optical fibers. Applied Optics, 1996, 35, 4102.	2.1	7
88	Combinatorial chemistry methods for coating development. Progress in Organic Coatings, 2003, 48, 219-226.	3.9	7
89	Selective detection of chemical species in liquids and gases using radio-frequency identification (RFID) sensors. , 2009, , .		7
90	Multi-Gas Sensors for Enhanced Reliability of SOFC Operation. ECS Transactions, 2019, 91, 319-328.	0.5	7

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91	Butterfly Wing Inspired High Performance Infrared Detection with Spectral Selectivity. Advanced Optical Materials, 2020, 8, 1901647.	7.3	7
92	Use of Analyte-Modulated Modal Power Distribution in Multimode Optical Fibers for Simultaneous Single-Wavelength Evanescent-Wave Refractometry and Spectrometry. Analytical Chemistry, 1999, 71, 4956-4964.	6.5	6
93	<title>Field evaluation of acoustic-wave chemical sensors for monitoring of organic solvents in groundwater</title>. , 1999, , .		6
94	Enhancement in screening throughput and density of combinatorial libraries using wavelet analysis. Applied Physics Letters, 2004, 84, 5103-5105.	3.3	6
95	Dual-response resonant chemical sensors for multianalyte analysis. Sensors and Actuators B: Chemical, 2005, 106, 249-252.	7.8	6
96	Introduction: Combinatorial instruments and techniques. Review of Scientific Instruments, 2005, 76, 062101.	1.3	6
97	Label-free biosensing using passive radio-frequency identification (RFID) sensors. , 2009, , .		6
98	<title>Recognition and quantitation of closely related chlorinated organic vapors with acoustic-wave chemical sensor arrays</title>. , 1999, 3856, 80.		5
99	Parallel high-throughput microanalysis of materials using microfabricated full bridge device arrays. Applied Physics Letters, 2004, 84, 634-636.	3.3	5
100	Introduction to Combinatorial Methods for Chemical and Biological Sensors. , 2009, , 3-24.		5
101	<title>Adaptation of spectroscopic tools from high-throughput screening of combinatorial chemistry libraries to process chemical analysis</title>. , 2002, , .		4
102	Multivariate Tools for Real-Time Monitoring and Optimization of Combinatorial Materials and Process Conditions. , 2004, , 87-123.		4
103	Combinatorial and High-Throughput Materials Research. Measurement Science and Technology, 2005, 16, .	2.6	4
104	Immobilization of aptamers onto unmodified glass surfaces for affordable biosensors. , 2011, , .		4
105	Detection of Individual Vapors and Their Mixtures Using a Selectivityâ€Tunable Threeâ€Dimensional Network of Plasmonic Nanoparticles. Angewandte Chemie, 2013, 125, 10550-10554.	2.0	4
106	OPTICAL WAVEGUIDES IN ANALYTICAL CHEMISTRY: RECENT ADVANCES. Sensor Review, 1992, 12, 22-26.	1.8	3
107	Photonic bandgap fiber-enabled Raman detection of nitrogen gas. , 2009, , .		3
108	Passive gamma-resistant RFID tags integrated into gamma-sterilizable pharmaceutical components. , 2010, , .		3

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109	Integration of passive multivariable RFID sensors into single-use biopharmaceutical manufacturing components. , 2010, , .		3
110	Data processing in multivariable RFID vapor sensors. , 2011, , .		3
111	Toward bioinspired nanostructures for selective vapor sensing: diverse vapor-induced spectral responses within iridescent scales of Morpho butterflies. Materials Research Society Symposia Proceedings, 2014, 1621, 197-207.	0.1	3
112	Kinetics Analysis of Multichannel Hydrogen Reactions on Plasmonic-Based Auâ€“GdC Thin-Film Nanocomposites. Journal of Physical Chemistry C, 2019, 123, 17925-17932.	3.1	3
113	Label-free independent quantitation of viable and non-viable cells using a multivariable multi-resonant sensor. Bioelectrochemistry, 2019, 125, 97-104.	4.6	3
114	Acoustic Wave Sensors for High-Throughput Screening of Materials. , 2003, , 219-246.		3
115	<title>Fiber optic and portable instruments for ammonia sensing in field operating conditions</title>. , 1993, , .		2
116	<title>Optical tools for high-throughput screening of abrasion resistance of combinatorial libraries of organic coatings</title>. , 2002, 4578, 145.		2
117	Wireless sensor array system for combinatorial screening of sensor materials. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	2
118	Lab-scale long-term operation of passive multivariable RFID temperature sensors integrated into single-use bioprocess components. , 2011, , .		2
119	Multivariable passive RFID vapor sensors: Pilot-scale manufacturing and laboratory evaluation. , 2011, , .		2
120	4.5.1 Multivariable MHz and GHz Wireless Chem/Bio Sensors for Environmental, Industrial, and Security Applications. , 2012, , .		2
121	<title>Advanced strategies for spatially resolved analyte mapping with distributed fiber optic sensors for environmental and process applications</title>. , 1999, , .		1
122	Design and characterization of a radioluminescent temperature sensor. Analytica Chimica Acta, 2000, 412, 47-53.	5.4	1
123	High-Throughput Adhesion Evaluation and Scale-up of Combinatorial Leads of Organic Protective Coatings. Materials Research Society Symposia Proceedings, 2003, 804, 145.	0.1	1
124	Gas Sensor Materials Based on Semiconductor Nanocrystal / Polymer Composite Films. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	1
125	Physical and Analytical Principles of Multivariable Gas and Liquid Sensors. , 2018, , .		1
126	Ubiquitous Sensing Network for Continuous Monitoring and Quantification of Methane Emissions. , 2019, , .		1

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127	Combinatorial Methods for Chemical and Biological Sensors: Outlook. , 2009, , 483-488.		1
128	<I>A Special Section on</I> Embedded Sensors. Sensor Letters, 2016, 14, 1001-1002.	0.4	1
129	Spectral studies of pH dye films for detection of toxic chemicals. , 1993, 1711, 293.		0
130	Applications of Discrete and Gradient Compositions in Polymer Research. Materials Research Society Symposia Proceedings, 2003, 804, 127.	0.1	0
131	Application of Combinatorial Chemistry Methods to The Development of Organic Coatings. Materials Research Society Symposia Proceedings, 2003, 804, 139.	0.1	0
132	Sensors for High-Throughput Materials Characterization: 24-channel Array of Quartz Crystal Microbalances. Materials Research Society Symposia Proceedings, 2003, 804, 211.	0.1	0
133	Millimeter-scale surface nano-structuring using focused ion beam milling. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
134	Focused ion beam microscope as an analytical tool for nanoscale characterization of gradient-formulated polymeric sensor materials. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	0
135	Quantitative Chemical Analysis using DVDs and Conventional Computer Optical Disk Drives. , 2007, , .		0
136	Combinatorial and High-Throughput Development of Polymer Sensor Coatings for Resonant and Optical Sensors. ACS Symposium Series, 2007, , 240-260.	0.5	0
137	Theoretical and experimental development of label-free biosensors based on localized plasmon resonances on nanohole and nanopillar arrays. Proceedings of SPIE, 2009, , .	0.8	0
138	Development of New Sensing Materials Using Combinatorial and High-Throughput Experimentation. , 2009, , 151-166.		0
139	Selective Vapor Monitoring Using Individual Multivariable RFID Sensors. , 2011, , .		0
140	Selective gas sensing by graphene. , 2012, , .		0
141	Ubiquitous Devices for Chemical Sensing. Springer Series on Chemical Sensors and Biosensors, 2012, , 237-264.	0.5	0
142	Towards Rational Design of Sensing Materials from Combinatorial Experiments. , 2013, , 271-313.		0
143	Bio-inspired Photonic Vapour Sensing: Lessons from Butterflies. , 2013, , .		0
144	Toward high-value gas sensing in wearable and distrubuted formats: Discrimination of complex patterns of volatiles using multi-response RFID sensors. , 2017, , .		0

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145	Investigation of plasmonic based nanocomposite thin films for high temperature gas sensing. , 2018, , .		0
146	Bio-inspired optics: general discussion. Faraday Discussions, 2020, 223, 183-194.	3.2	0
147	Combinatorial Development of Organic Clear Coatings for Plastic Substrates and Scale-Up of Combinatorial Leads. , 2003, , 611-630.		0
148	Elements of High-Throughput Analysis in Combinatorial Materials Science. , 2003, , 1-13.		0
149	Chemical Sensors: New Ideas for the Mature Field. , 2009, , 103-143.		0
150	Determination of Quantitative Structureâ€“Property Relationships of Solvent Resistance of Polycarbonate Copolymers Using a Resonant Multisensor System. , 2009, , 455-470.		0
151	New Approach for Selective Vapor Sensing Using Structurally Colored Self-Assembled Films. Integrated Analytical Systems, 2009, , 77-95.	0.4	0
152	High-Throughput Screening of Vapor Selectivity of Multisize CdSe Nanocrystal/Polymer Composite Films. , 2009, , 117-132.		0
153	Scaling Modeling of the Emitted Substance Dispersion Transported by Advection Caused by Non-homogeneous Wind Field and by Isotropic and Anisotropic Diffusion in Vicinity of Obstacles. Discontinuity, Nonlinearity, and Complexity, 2015, 4, 185-195.	0.2	0