Zbigniew BrzÃ³zka

List of Publications by Year
in descending order

161	4,265	109137	138251
papers	citations	35 h-index	58 g-index

168	168	168	4480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized UO2 Salenes: Neutral Receptors for Anions. Journal of the American Chemical Society, 1994, 116, 4341-4351.	6.6	192
2	Future Applications of MXenes in Biotechnology, Nanomedicine, and Sensors. Trends in Biotechnology, 2020, 38, 264-279.	4.9	161
3	2D Ti2C (MXene) as a novel highly efficient and selective agent for photothermal therapy. Materials Science and Engineering C, 2019, 98, 874-886.	3.8	159
4	A microfluidic-based platform for tumour spheroid culture, monitoring and drug screening. Lab on A Chip, 2014, 14, 2096-2104.	3.1	146
5	A Difunctional Receptor for the Simultaneous Complexation of Anions and Cations; Recognition of KH2PO4. Angewandte Chemie International Edition in English, 1994, 33, 467-468.	4.4	138
6	Development of Durable K+-Selective Chemically Modified Field Effect Transistors with Functionalized Polysiloxane Membranes. Analytical Chemistry, 1994, 66, 3618-3623.	3.2	137
7	Design of neutral hydrogen ion carriers for solvent polymeric membrane electrodes of selected pH range. Analytical Chemistry, 1986, 58, 2285-2289.	3.2	121
8	Microfluidic devices as tools for mimicking the in vivo environment. New Journal of Chemistry, 2011, 35, 979.	1.4	105
9	Classification of beverages using a reduced sensor array. Sensors and Actuators B: Chemical, 2004, 103, 76-83.	4.0	102
10	Direct and two-stage data analysis procedures based on PCA, PLS-DA and ANN for ISE-based electronic tongueâ€"Effect of supervised feature extraction. Talanta, 2005, 67, 590-596.	2.9	102
11	Lead selective electrodes based on thioamide functionalized calix[4]arenes as ionophores. Analytica Chimica Acta, 1994, 298, 253-258.	2.6	99
12	Silver selective electrodes based on thioether functionalized calix[4]arenes as ionophores. Analytica Chimica Acta, 1994, 298, 245-251.	2.6	90
13	Long-term three-dimensional cell culture and anticancer drug activity evaluation in a microfluidic chip. Biosensors and Bioelectronics, 2013, 40, 68-74.	5.3	87
14	Spectrophotometric determination of dopamine in microliter scale using microfluidic system based on polymeric technology. Analytica Chimica Acta, 2005, 540, 153-157.	2.6	79
15	Electronic tongue for flow-through analysis of beverages. Sensors and Actuators B: Chemical, 2006, 118, 454-460.	4.0	79
16	Novel approach of immobilization of calix[4]arene type ionophore in â€˜self-plasticizedâ€™ polymeric membrane. Analytica Chimica Acta, 2000, 421, 93-101.	2.6	74
17	LTCC based microfluidic system with optical detection. Sensors and Actuators B: Chemical, 2005, 111-112, 396-402.	4.0	68
18	Recent progress in the engineering of multifunctional colloidal nanoparticles for enhanced photodynamic therapy and bioimaging. Advances in Colloid and Interface Science, 2018, 261, 62-81.	7.0	59

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19	Transduction of selective recognition by preorganized Ionophores; K+ selectivity of the different 1,3-diethoxycalix[4]arene crown ether conformers. Journal of the Chemical Society Perkin Transactions II, 1993, , 1037.	0.9	57
20	Poly(l -lactic acid) and polyurethane nanofibers fabricated by solution blow spinning as potential substrates for cardiac cell culture. Materials Science and Engineering C, 2017, 75, 305-316.	3.8	57
21	Assessment of water quality based on multiparameter fiber optic probe. Sensors and Actuators B: Chemical, 1998, 51, 208-213.	4.0	55
22	Uranyl salophenes as ionophores for phosphate-selective electrodes. Sensors and Actuators B: Chemical, 2000, 68, 313-318.	4.0	54
23	Acoustic radiation forces at liquid interfaces impact the performance of acoustophoresis. Lab on A Chip, 2014, 14, 3394-3400.	3.1	52
24	Studies on ferrocene organothiol monolayer as an intermediate phase of potentiometric sensors with gold inner contact. Sensors and Actuators B: Chemical, 2005, 111-112, 310-316.	4.0	46
25	3D lung spheroid cultures for evaluation of photodynamic therapy (PDT) procedures in microfluidic Lab-on-a-Chip system. Analytica Chimica Acta, 2017, 990, 110-120.	2.6	46
26	Graphene as a new material in anticancer therapy-in vitro studies. Sensors and Actuators B: Chemical, 2017, 243, 152-165.	4.0	44
27	Chemically modified field-effect transistors; potentiometric Ag + selectivity of PVC membranes based on macrocyclic thioethers. Analytica Chimica Acta, 1993, 273, 139-144.	2.6	43
28	A Self-Assembled Bifunctional Receptor. Angewandte Chemie International Edition in English, 1995, 34, 2124-2126.	4.4	42
29	Cesium-selective chemically modified field effect transistors with calix[4]arene-crown-6 derivatives. Analytica Chimica Acta, 1995, 310, 263-267.	2.6	42
30	Further studies on the role of redox-active monolayer as intermediate phase of solid-state sensors. Sensors and Actuators B: Chemical, 2007, 123, 480-487.	4.0	42
31	Heart-on-a-Chip: An Investigation of the Influence of Static and Perfusion Conditions on Cardiac (H9C2) Cell Proliferation, Morphology, and Alignment. SLAS Technology, 2017, 22, 536-546.	1.0	41
32	Durable phosphate-selective electrodes based on uranyl salophenes. Analytica Chimica Acta, 2001, 432, 79-88.	2.6	39
33	Mercury ion-selective polymeric membrane electrodes based on substituted diaza crown ethers. Electroanalysis, 1991, 3, 855-858.	1.5	38
34	Efficient reagent immobilization procedure for ion-sensitive optomembranes. Sensors and Actuators B: Chemical, 1997, 39, 207-211.	4.0	38
35	Studies of anticancer drug cytotoxicity based on longâ€term HepG2 spheroid culture in a microfluidic system. Electrophoresis, 2017, 38, 1206-1216.	1.3	38
36	Nitrite-selective ISE based on uranyl salophen derivatives. Sensors and Actuators B: Chemical, 1996, 37, 151-155.	4.0	36

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37	Microfluidic system with electrochemical and optical detection. Microelectronic Engineering, 2007, 84, 1741-1743.	1.1	35
38	Lab-on-a-chip systems for photodynamic therapy investigations. Biosensors and Bioelectronics, 2018, 101, 37-51.	5.3	35
39	Miniaturized sodium-selective sensors based on silicon back-side contact structure with novel self-plasticizing ion-selective membranes. Sensors and Actuators B: Chemical, 2003, 95, 366-372.	4.0	33
40	Uric acid determination in a miniaturized flow system with dual optical detection. Sensors and Actuators B: Chemical, 2008, 130, 508-513.	4.0	31
41	Application of optical fibres in oxidation-reduction titrations. Sensors and Actuators B: Chemical, 1995, 29, 374-377.	4.0	30
42	Towards advanced chemical microsensorsâ€”an overview. Talanta, 2004, 63, 33-39.	2.9	30
43	Microsystem with micropillar array for three- (gel-embaded) and two-dimensional cardiac cell culture. Sensors and Actuators B: Chemical, 2018, 254, 973-983.	4.0	30
44	Enhanced performance of potassium CHEMFETs by optimization of a polysiloxane membrane. Sensors and Actuators B: Chemical, 1994, 18, 38-41.	4.0	29
45	Monitoring of cell cultures with LTCC microelectrode array. Analytical and Bioanalytical Chemistry, 2009, 393, 2029-2038.	1.9	29
46	Studies on effectiveness of PTT on 3D tumor model under microfluidic conditions using aptamer-modified nanoshells. Biosensors and Bioelectronics, 2019, 126, 214-221.	5.3	29
47	Towards REFET. Sensors and Actuators B: Chemical, 1999, 57, 47-50.	4.0	28
48	Calix[4]arene derived tetraester receptors modified at their wide rim by polymerizable groups. New Journal of Chemistry, 1999, 23, 757-763.	1.4	28
49	orthoâ€(Aminomethyl)phenylboronic acidsâ€”synthesis, structure and sugar receptor activity. Applied Organometallic Chemistry, 2008, 22, 427-432.	1.7	28
50	The 10th anniversary of MXenes: Challenges and prospects for their surface modification toward future biotechnological applications. Advanced Drug Delivery Reviews, 2022, 182, 114099.	6.6	28
51	Analysis of dialysate fluids with the use of a potentiometric electronic tongue. Mikrochimica Acta, 2008, 163, 139-145.	2.5	27
52	Porous crosslinked PDMS-microchannels coatings. Sensors and Actuators B: Chemical, 2007, 126, 68-72.	4.0	26
53	Architecture and method of fabrication PDMS system for uric acid determination. Sensors and Actuators B: Chemical, 2007, 121, 445-451.	4.0	25
54	A microfluidic system to study the cytotoxic effect of drugs: the combined effect of celecoxib and 5-fluorouracil on normal and cancer cells. Mikrochimica Acta, 2013, 180, 895-901.	2.5	25

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55	NH4+-sensitive chemically modified field effect transistors based on siloxane membranes for flow-cell applications. Analytica Chimica Acta, 1999, 401, 105-110.	2.6	24
56	Anion Buffering in the Internal Electrolyte Resulting in Extended Durability of Phosphate-Selective Electrodes. Analytical Chemistry, 2003, 75, 3270-3273.	3.2	24
57	Development of a three-dimensional microfluidic system for long-term tumor spheroid culture. Sensors and Actuators B: Chemical, 2012, 173, 908-913.	4.0	24
58	Adhesion of MRCâ€5 and A549 cells on poly(dimethylsiloxane) surface modified by proteins. Electrophoresis, 2016, 37, 536-544.	1.3	24
59	Switching of ion selectivity of membranes by lipophilic ionic sites. Analytica Chimica Acta, 1996, 326, 163-168.	2.6	23
60	Evaluation of cytotoxic effect of 5-fluorouracil on human carcinoma cells in microfluidic system. Sensors and Actuators B: Chemical, 2011, 160, 1544-1551.	4.0	23
61	Evaluation of photodynamic therapy (PDT) procedures using microfluidic system. Analytica Chimica Acta, 2011, 683, 149-155.	2.6	23
62	Biological characterization of the modified poly(dimethylsiloxane) surfaces based on cell attachment and toxicity assays. Biomicrofluidics, 2018, 12, 044105.	1.2	23
63	Novel head for testing and measurement of chemical microsensors. Analytica Chimica Acta, 2001, 429, 347-355.	2.6	22
64	Multi-ion analysis based on versatile sensor head. Sensors and Actuators B: Chemical, 2001, 78, 320-325.	4.0	22
65	Potentiometric Study of Urease Kinetics over pH 5.36-8.21. Electroanalysis, 2003, 15, 460-466.	1.5	22
66	A549 and MRC-5 cell aggregation in a microfluidic Lab-on-a-chip system. Biomicrofluidics, 2017, 11, 024110.	1.2	22
67	Nanoliter detectors for flow systems. Sensors and Actuators A: Physical, 2004, 115, 245-251.	2.0	21
68	Microfluidic platform for photodynamic therapy cytotoxicity analysis of nanoencapsulated indocyanine-type photosensitizers. Biomicrofluidics, 2016, 10, 014116.	1.2	21
69	Durable NH4+-sensitive CHEMFET. Sensors and Actuators B: Chemical, 1997, 44, 527-531.	4.0	20
70	The effect of anionic dicephalic surfactants on fabrication of varied-core nanocarriers for sustained release of porphyrin photosensitizers. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 169-179.	1.7	20
71	Lab-on-a-chip system integrated with nanofiber mats used as a potential tool to study cardiovascular diseases (CVDs). Sensors and Actuators B: Chemical, 2021, 330, 129291.	4.0	20
72	Polymer track membranes as a trap support for reagent in fiber optic sensors. , 1996, 59, 719-723.		19

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73	Evaluation of nanoencapsulated verteporfinâ€™s cytotoxicity using a microfluidic system. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 39-48.	1.4	19
74	Different action of nanoencapsulated meso-tetraphenylporphyrin in breast spheroid co-culture and mono-culture under microfluidic conditions. Sensors and Actuators B: Chemical, 2018, 275, 69-77.	4.0	19
75	Double casting prototyping with a thermal aging step for fabrication of 3D microstructures in poly(dimethylsiloxane). AIMS Biophysics, 2016, 3, 553-562.	0.3	19
76	Solvent polymeric membrane pH catheter electrode for intraluminal measurements in the upper gastrointestinal tract. Medical and Biological Engineering and Computing, 1987, 25, 414-419.	1.6	18
77	Design of miniaturized nitrite sensors based on silicon structure with back-side contacts. Sensors and Actuators B: Chemical, 2002, 83, 109-114.	4.0	18
78	Self-regulating heater for microfluidic reactors. Sensors and Actuators B: Chemical, 2006, 114, 893-896.	4.0	18
79	Comparative study of the selectivities of membranes based on cyclic- and open-chain thioethers. Analyst, The, 1989, 114, 1431.	1.7	16
80	Synergistic effect of the combination therapy on ovarian cancer cells under microfluidic conditions. Analytica Chimica Acta, 2020, 1100, 138-148.	2.6	16
81	Cellulose based bulk pH optomembranes. Sensors and Actuators B: Chemical, 1998, 48, 471-475.	4.0	15
82	Diaza crown ethers bearing heterocyclic ligating groups on nitrogen atoms and their complexing properties with divalent inorganic cations. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1990, 9, 259-265.	1.6	14
83	Ag+-selective electrodes based on lipophilic thioethers. Sensors and Actuators B: Chemical, 1995, 24, 183-187.	4.0	14
84	<title>Fiber optic probe for monitoring of drinking water</title>. , 1997, , .		14
85	Co-delivery of IR-768 and daunorubicin using mPEG-b-PLGA micelles for synergistic enhancement of combination therapy of melanoma. Journal of Photochemistry and Photobiology B: Biology, 2020, 211, 111981.	1.7	14
86	Islet-on-a-chip: Biomimetic micropillar-based microfluidic system for three-dimensional pancreatic islet cell culture. Biosensors and Bioelectronics, 2021, 183, 113215.	5.3	14
87	Influence of the ortho-methoxyalkyl substituent on the properties of phenylboronic acids. Journal of Molecular Structure, 2013, 1035, 190-197.	1.8	13
88	Cytotoxicity studies of selected cadmium-based quantum dots on 2D vs. 3D cell cultures. New Journal of Chemistry, 2018, 42, 12787-12795.	1.4	13
89	Determination of creatinine in clinical samples based on flow-through microsystem. Analytica Chimica Acta, 2005, 540, 181-185.	2.6	11
90	A microfluidic device with fluorimetric detection for intracellular components analysis. Biomedical Microdevices, 2011, 13, 431-440.	1.4	11

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91	Evaluation of biological activity of quantum dots in a microsystem. Electrophoresis, 2016, 37, 425-431.	1.3	11
92	3D and 2D cell models in a novel microfluidic tool for evaluation of highly chemically and microbiologically pure graphene oxide (GO) as an effective drug carrier. Sensors and Actuators B: Chemical, 2020, 302, 127064.	4.0	11
93	Combinations of regenerative medicine and Lab-on-a-chip systems: New hope to restoring the proper function of pancreatic islets in diabetes. Biosensors and Bioelectronics, 2020, 167, 112451.	5.3	11
94	A multilayered cancer-on-a-chip model to analyze the effectiveness of new-generation photosensitizers. Analyst, The, 2020, 145, 6937-6947.	1.7	11
95	Chemically modified ion-sensitive field-effect transistors: elimination of the liquid juction potential in a double sensor flow-injection analysis cell. Analytica Chimica Acta, 1993, 276, 347-352.	2.6	10
96	Anion selectivities of membranes based on HgII complexes of calix[4]arene derivatives. Electroanalysis, 1996, 8, 75-78.	1.5	10
97	Comparison of two thermochromic solutions for fibre optic temperature probes. Sensors and Actuators A: Physical, 1999, 76, 203-207.	2.0	10
98	Durability of membranes containing uranyl salophenes. Materials Science and Engineering C, 2001, 18, 93-97.	3.8	10
99	Multi-function microsystem for cells migration analysis and evaluation of photodynamic therapy procedure in coculture. Biomicrofluidics, 2012, 6, 044116.	1.2	10
100	Lab-on-a-Chip Microdevice with Contactless Conductivity Detector. Metrology and Measurement Systems, 2013, 20, 299-306.	1.4	10
101	Selective cancer-killing ability of new efficient porphyrin-based nanophotosensitizer in Lab-on-a-chip system. Sensors and Actuators B: Chemical, 2019, 282, 665-674.	4.0	10
102	Durability of phosphate-selective CHEMFETs. Sensors and Actuators B: Chemical, 2001, 78, 315-319.	4.0	9
103	Bonding-less (B-less) fabrication of polymeric microsystems. Microfluidics and Nanofluidics, 2009, 7, 733-737.	1.0	9
104	The influence of selected Ï‰-mercaptocarboxylate ligands on physicochemical properties and biological activity of Cd-free, zincâ€‘copperâ€‘indium sulfide colloidal nanocrystals. Materials Science and Engineering C, 2019, 97, 583-592.	3.8	8
105	‹title›Bonding technique of polymer layer with ceramic elements of analytical microsystems‹/title›. , 2006, , .		7
106	Effect of a high surface-to-volume ratio on fluorescence-based assays. Analytical and Bioanalytical Chemistry, 2012, 403, 151-155.	1.9	7
107	Determination of Acid Î²-Galactosidase Activity: Methodology and Perspectives. Indian Journal of Clinical Biochemistry, 2014, 29, 57-62.	0.9	7
108	Studies on influence of polymer modifiers for fluorescent nanocrystalsâ€™ cytotoxicity. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 193-201.	1.4	7

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109	Study of Stem Cells Influence on Cardiac Cells Cultured with a Cyanide-P-Trifluoromethoxyphenylhydrazone in Organ-on-a-Chip System. Biosensors, 2021, 11, 131.	2.3	6
110	The microfluidic system for studies of carcinoma and normal cells interactions after photodynamic therapy (PDT) procedures. Biomicrofluidics, 2011, 5, 041101.	1.2	5
111	Effect of downscaling on the linearity range of a calibration curve in spectrofluorimetry. Analytical and Bioanalytical Chemistry, 2014, 406, 4551-4556.	1.9	5
112	Three-layer poly(methyl methacrylate) microsystem for analysis of lysosomal enzymes for diagnostic purposes. Analytica Chimica Acta, 2015, 853, 702-709.	2.6	5
113	Well-defined Graphene Oxide as a Potential Component in Lung Cancer Therapy. Current Cancer Drug Targets, 2020, 20, 47-58.	0.8	5
114	The application of 5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane to the extraction of metal ions. Analytica Chimica Acta, 1985, 172, 257-263.	2.6	4
115	<title>Technological aspects of potentiometric BSC-type microsensor fabrication</title>. , 2001, 4516, 32.		4
116	Nanoconjugates of graphene oxide derivatives and meso-tetraphenylporphyrin: a new avenue for anticancer photodynamic therapies â€“ Cell-on-a-Chip analysis. New Journal of Chemistry, 2020, 44, 18770-18779.	1.4	4
117	Membrane ion-selective electrodes for gold determination in cyanide solutions. Electroanalysis, 1990, 2, 601-605.	1.5	3
118	Calix[4]amidocrowns and Calix[4]amidocryptands Bridgedat the Wide Rim. Monatshefte FÃ¼r Chemie, 1998, 129, 1169-1181.	0.9	3
119	Molecular recognition of pyrimidine and xanthine bases by lipophilic calixarenes derived from resorcinol. Part II. Materials Science and Engineering C, 2001, 18, 117-120.	3.8	3
120	Substrate inhibition of lysosomal hydrolases: Î±-Galactosidase A and Î²-glucocerebrosidase. Clinical Biochemistry, 2011, 44, 941-943.	0.8	3
121	Advanced 3D Spheroid Culture for Evaluation of Photodynamic Therapy in Microfluidic System. Procedia Engineering, 2016, 168, 403-406.	1.2	3
122	Cytotoxic properties of graphene derivatives depending on origin and type of cell line. Journal of Materials Research, 2020, 35, 2385-2395.	1.2	3
123	Simulation of hypoxia of myocardial cells in microfluidic systems. Scientific Reports, 2020, 10, 15524.	1.6	3
124	Investigation of the Therapeutic Potential of New Antidiabetic Compounds Using Islet-on-a-Chip Microfluidic Model. Biosensors, 2022, 12, 302.	2.3	3
125	Why Can Organoids Improve Current Organ-on-Chip Platforms?. Organoids, 2022, 1, 69-84.	1.8	3
126	<title>Development of NH<formula><inf><roman>4</roman></inf></formula><formula>^{<roman>+</roman>}</formula>-sensitive polymer membranes for long-term performance microsensors</title>. , 1997, , .		2

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127	<title>Anion-selective CHEMFETs</title>. , 1997, , .		2
128	<title>Hybrid microstructures for capillary electrophoresis with micro-channel in photosensitive layer</title>. , 2007, , .		2
129	A new technology for microfluidic structures preparation based on a photoimageable ceramic. Microsystem Technologies, 2007, 13, 657-661.	1.2	2
130	â€œLab-on-a-Chipâ€•Dedicated for Cell Engineering. Springer Series in Chemical Physics, 2013, , 253-269.	0.2	2
131	Microfluidic Systems. , 2018, , 3-21.		2
132	Cytotoxicity studies of CdSeS/ZnS quantum dots on cell culture in microfluidic system. , 2014, , .		1
133	SIA hybrid electronic tongue for cell culture monitoring. , 2017, , .		1
134	Lab-on-a-chip Systems for Cellomicsâ€"Materials and Technology. , 2018, , 23-53.		1
135	Lab-on-a-Chip System for Developing and Fluorescence Imaging a Three-Dimensional Model of Pancreatic Islets Under Flow Conditions. ECS Meeting Abstracts, 2021, MA2021-01, 1396-1396.	0.0	1
136	Microfluidic Systems for Cardiac Cell Cultureâ€"Characterization. , 2018, , 155-167.		1
137	<title>LabWindows: tool and environment for sensor design</title>. , 1997, , .		0
138	Calix[4]Resorcinarene Derivatives as Ionophores for Cations Studied in Polymeric (PVC) Membrane. , 1998, , 263-266.		0
139	ISE 2000: The International Society of Electrochemistry, 51st Annual Meeting: â€˜Electrochemistry at the Turn of the Millenniumâ€™, Warsaw, 3â€“8 September, 2000. Journal of Electroanalytical Chemistry, 2001, 509, 1.	1.9	0
140	New ion-sensitive field effect transistors (ISFETs) with backside contacts for flow analysis. , 2003, , .		0
141	Chloride sensor based on a new potentiometric transducer. , 2003, 5124, 69.		0
142	Determination of total metal pollutants in water with optical detection. , 2003, 5124, 215.		0
143	Towards Advanced Chemical Microsensors. ChemInform, 2004, 35, no.	0.1	0
144	<title>Application of optical fibers in microfluidic structures</title>. , 2004, , .		0

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145	Fiber optic flow system for potable water monitoring. , 2005, , .		0
146	Anticancer photodynamic therapy based on the use of a microsystem. Proceedings of SPIE, 2015, , .	0.8	0
147	Microfluidic system for monitoring of cardiac (H9C2) cell proliferation. Proceedings of SPIE, 2017, , .	0.8	0
148	Organ-on-a-chip Systems. , 2018, , 55-78.		0
149	Application of Printer Toner As a Versatile Intermediate for Protein Immobilization in Flexible Immunosensing Platforms. ECS Meeting Abstracts, 2021, MA2021-01, 1405-1405.	0.0	0
150	(IMCS First Place Best Paper Award) A Novel Lab-on-a-Chip Microdevice for Study the Effectiveness of Electrochemotherapy. ECS Meeting Abstracts, 2021, MA2021-01, 1393-1393.	0.0	0
151	(Invited) In-Vitro Studies on Nanomaterials and Anticancer Therapies Using Lab-on-a-Chip Microsystems. ECS Meeting Abstracts, 2021, MA2021-01, 1597-1597.	0.0	0
152	Design of Miniaturized Solid-State Sensors Based on Silicon Structure with Back-Side Contacts. , 2001, , 402-405.		0
153	Anticancer photodynamic therapy based on the use of a microsystem. , 2015, , .		0
154	Hollow gold nanoshells modified with PEG: synthesis and application as photothermal agents. , 2019, , .		0
155	A Novel Lab-on-a-Chip Microdevice for Study the Effectiveness of Electrochemotherapy. ECS Meeting Abstracts, 2020, MA2020-01, 1953-1953.	0.0	0
156	Lab-on-a-Chip System for Developing and Fluorescence Imaging a Three-Dimensional Model of Pancreatic Islets Under Flow Conditions. ECS Meeting Abstracts, 2020, MA2020-01, 1984-1984.	0.0	0
157	The Evaluation the Efficiency of Photodynamic Therapy with Meso-Tetraphenylporphirin As a Photosensitizer and Modified Graphene Oxide As a Drug Carrier Using Microfluidic Device. ECS Meeting Abstracts, 2020, MA2020-01, 1951-1951.	0.0	0
158	(Invited) Nanomaterials and Anticancer Therapies in-Vitro Studies Using Lab-on-a-Chip Microsystems. ECS Meeting Abstracts, 2020, MA2020-01, 2346-2346.	0.0	0
159	Studies on electroporation and electrochemotherapy of adherent cells monolayer using electrode modules of specific geometry. Sensors and Actuators B: Chemical, 2022, 351, 130889.	4.0	0
160	Versatile and Easily Designable Polyester-Laser Toner Interfaces for Site-Oriented Adsorption of Antibodies. International Journal of Molecular Sciences, 2022, 23, 3771.	1.8	0
161	Lab-on-a-Chip Systems for Biomedical Analysis. , 2022, , 679-707.		0