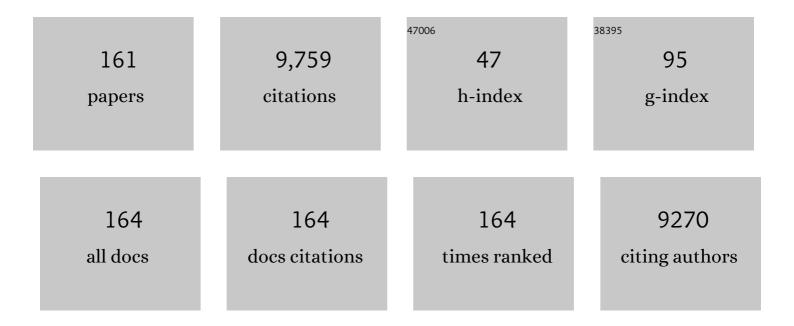
Antonio J Ricco

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Resistance of polyaniline films as a function of electrochemical potential and the fabrication of polyaniline-based microelectronic devices. The Journal of Physical Chemistry, 1985, 89, 1441-1447.	2.9	980
2	Point of Care Diagnostics: Status and Future. Analytical Chemistry, 2012, 84, 487-515.	6.5	962
3	Detection of Water in the LCROSS Ejecta Plume. Science, 2010, 330, 463-468.	12.6	707
4	Effect of surface roughness on the response of thickness-shear mode resonators in liquids. Analytical Chemistry, 1993, 65, 2910-2922.	6.5	323
5	Cubesats: Cost-effective science and technology platforms for emerging and developing nations. Advances in Space Research, 2011, 47, 663-684.	2.6	313
6	Stand-alone self-powered integrated microfluidic blood analysis system (SIMBAS). Lab on A Chip, 2011, 11, 845-850.	6.0	304
7	New Organic Materials Suitable for Use in Chemical Sensor Arrays. Accounts of Chemical Research, 1998, 31, 219-227.	15.6	271
8	Surface acoustic wave gas sensor based on film conductivity changes. Sensors and Actuators, 1985, 8, 319-333.	1.7	246
9	Characterization of SH acoustic plate mode liquid sensors. Sensors and Actuators, 1989, 20, 253-268.	1.7	242
10	Structural Distortion of Dendrimers on Gold Surfaces:Â A Tapping-Mode AFM Investigation. Journal of the American Chemical Society, 1998, 120, 5323-5324.	13.7	205
11	Acoustic wave viscosity sensor. Applied Physics Letters, 1987, 50, 1474-1476.	3.3	195
12	Integrating Polymerase Chain Reaction, Valving, and Electrophoresis in a Plastic Device for Bacterial Detection. Analytical Chemistry, 2003, 75, 4591-4598.	6.5	179
13	A selective SAW-based organophosphonate chemical sensor employing a self-assembled, composite monolayer: a new paradigm for sensor design. Analytical Chemistry, 1992, 64, 3191-3193.	6.5	164
14	Synthesis and characterization of a new surface derivatizing reagent to promote the adhesion of polypyrrole films to N-type silicon photoanodes: N-(3-(trimethoxysilyl)propyl)pyrrole. Journal of the American Chemical Society, 1982, 104, 2031-2034.	13.7	144
15	Peer Reviewed: Plastic Advances Microfluidic Devices. Analytical Chemistry, 2002, 74, 78 A-86 A.	6.5	135
16	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. Lab on A Chip, 2008, 8, 2071.	6.0	135
17	Three-Dimensional Wax Patterning of Paper Fluidic Devices. Langmuir, 2014, 30, 7030-7036.	3.5	135
18	Real-time measurements of the gas-phase adsorption of n-alkylthiol mono- and multilayers on gold. Langmuir, 1991, 7, 620-622.	3.5	130

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#	Article	IF	CITATIONS
19	Surface Acoustic Wave Chemical Sensor Arrays:  New Chemically Sensitive Interfaces Combined with Novel Cluster Analysis To Detect Volatile Organic Compounds and Mixtures. Accounts of Chemical Research, 1998, 31, 289-296.	15.6	127
20	Chemical Microsensors. Science, 1991, 254, 74-80.	12.6	111
21	Molecular interactions between organized, surface-confined monolayers and vapor-phase probe molecules. 5. Acid-base interactions. Langmuir, 1993, 9, 1775-1780.	3.5	103
22	Molecular Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 8. Reactions between Acid-Terminated Self-Assembled Monolayers and Vapor-Phase Bases. Langmuir, 1996, 12, 726-735.	3.5	99
23	Thin metal film characterization and chemical sensors: monitoring electronic conductivity, mass loading and mechanical properties with surface acoustic wave devices. Thin Solid Films, 1991, 206, 94-101.	1.8	95
24	Acoustoelectric interaction of plate modes with solutions. Journal of Applied Physics, 1988, 64, 5002-5008.	2.5	94
25	Use of Linear Solvation Energy Relationships for Modeling Responses from Polymer-Coated Acoustic-Wave Vapor Sensors. Analytical Chemistry, 2001, 73, 3458-3466.	6.5	93
26	Optically addressable single-use microfluidic valves by laser printer lithography. Lab on A Chip, 2010, 10, 2680.	6.0	93
27	Xâ€ray photoelectron and Auger electron spectroscopic study of the CdTe surface resulting from various surface pretreatments: Correlation of photoelectrochemical and capacitanceâ€potential behavior with surface chemical composition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films. 1984. 2. 910-915.	2.1	92
28	Characterization of n-Type Semiconducting Tungsten Disulfide Photoanodes in Aqueous and Nonaqueous Electrolyte Solutions. Journal of the Electrochemical Society, 1982, 129, 1461.	2.9	89
29	Electrochemical characterization of p-type semiconducting tungsten disulfide photocathodes: efficient photoreduction processes at semiconductor/liquid electrolyte interfaces. Journal of the American Chemical Society, 1983, 105, 2246-2256.	13.7	88
30	Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 9. Structure/Reactivity Relationship between Three Surface-Confined Isomers of Mercaptobenzoic Acid and Vapor-Phase Decylamine. Langmuir, 1996, 12, 1989-1996.	3.5	84
31	Miniaturized capillary isoelectric focusing in plastic microfluidic devices. Electrophoresis, 2002, 23, 3638-3645.	2.4	83
32	Molecular interactions between organized, surface-confined monolayers and vapor-phase probe molecules. 6. In-situ FT-IR external reflectance spectroscopy of monolayer adsorption and reaction chemistry. Analytical Chemistry, 1993, 65, 2102-2107.	6.5	80
33	Conferring Selectivity to Chemical Sensors via Polymer Side-Chain Selection:Â Thermodynamics of Vapor Sorption by a Set of Polysiloxanes on Thickness-Shear Mode Resonators. Analytical Chemistry, 2000, 72, 3696-3708.	6.5	78
34	Microfluidic impedance cytometer for platelet analysis. Lab on A Chip, 2013, 13, 722.	6.0	78
35	Earth as a Tool for Astrobiology—A European Perspective. Space Science Reviews, 2017, 209, 43-81.	8.1	68
36	Differentiation of Chemical Components in a Binary Solvent Vapor Mixture Using Carbon/Polymer Composite-Based Chemiresistors. Analytical Chemistry, 2000, 72, 1532-1542.	6.5	67

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37	The O/OREOS Mission: First Science Data from the Space Environment Survivability of Living Organisms (SESLO) Payload. Astrobiology, 2011, 11, 951-958.	3.0	64
38	SAW Sensors for the Room-Temperature Measurement of CO2 and Relative Humidity. Analytical Chemistry, 1998, 70, 2137-2145.	6.5	63
39	Effective Use of Molecular Recognition in Gas Sensing:Â Results from Acoustic Wave and in Situ FT-IR Measurements. Analytical Chemistry, 1999, 71, 3022-3035.	6.5	63
40	Determination of BET surface areas of porous thin films using surface acoustic wave devices. Langmuir, 1989, 5, 273-276.	3.5	61
41	Application of the Solubility Parameter Concept to the Design of Chemiresistor Arrays. Journal of the Electrochemical Society, 1999, 146, 3907-3913.	2.9	56
42	Real-time analysis of chemical reactions occurring at a surface-confined organic monolayer. Journal of the American Chemical Society, 1991, 113, 8550-8552.	13.7	55
43	Space as a Tool for Astrobiology: Review and Recommendations for Experimentations in Earth Orbit and Beyond. Space Science Reviews, 2017, 209, 83-181.	8.1	54
44	Interactions between self-assembled monolayers and an organophosphonate Detailed study using surface acoustic wave-based mass analysis, polarization modulation-FTIR spectroscopy and ellipsometry. Faraday Discussions, 1997, 107, 285-305.	3.2	52
45	Optical Scanner for Immunoassays With Up-Converting Phosphorescent Labels. IEEE Transactions on Biomedical Engineering, 2008, 55, 1560-1571.	4.2	52
46	Miniature radiation dosimeter for in vivo radiation measurements. International Journal of Radiation Oncology Biology Physics, 1988, 14, 963-967.	0.8	51
47	Synthetic spectra: a tool for correlation spectroscopy. Applied Optics, 1997, 36, 3342.	2.1	51
48	Ultrahigh vacuum studies of Pd metalâ€insulatorâ€semiconductor diode H2sensors. Journal of Applied Physics, 1987, 62, 1084-1092.	2.5	49
49	Age-related changes in platelet function are more profound in women than in men. Scientific Reports, 2015, 5, 12235.	3.3	49
50	Visual-Empirical Region-of-Influence Pattern Recognition Applied to Chemical Microsensor Array Selection and Chemical Analysis. Accounts of Chemical Research, 1998, 31, 297-305.	15.6	45
51	Chemically Sensitive Surface Acoustic Wave Devices Employing a Self-Assembled Composite Monolayer Film:Â Molecular Specificity and Effects Due to Self-Assembled Monolayer Adsorption Time and Gold Surface Morphology. Langmuir, 1996, 12, 2239-2246.	3.5	44
52	The O/OREOS mission—Astrobiology in low Earth orbit. Acta Astronautica, 2014, 93, 501-508.	3.2	44
53	Single-Step Separation of Platelets from Whole Blood Coupled with Digital Quantification by Interfacial Platelet Cytometry (iPC). Langmuir, 2010, 26, 14700-14706.	3.5	42
54	Microfluidic device to study arterial shear-mediated platelet-surface interactions in whole blood: reduced sample volumes and well-characterised protein surfaces. Biomedical Microdevices, 2010, 12, 987-1000.	2.8	41

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#	Article	IF	CITATIONS
55	Three-Dimensional Analysis of Particle Distribution on Filter Layers inside N95 Respirators by Deep Learning. Nano Letters, 2021, 21, 651-657.	9.1	41
56	Microgravity validation of a novel system for RNA isolation and multiplex quantitative real time PCR analysis of gene expression on the International Space Station. PLoS ONE, 2017, 12, e0183480.	2.5	40
57	Evolving Point-of-Care Diagnostics Using Up-Converting Phosphor Bioanalytical Systems. Analytical Chemistry, 2009, 81, 3216-3221.	6.5	38
58	BioSentinel: A 6U Nanosatellite for Deep-Space Biological Science. IEEE Aerospace and Electronic Systems Magazine, 2020, 35, 6-18.	1.3	38
59	Hg adsorption on optically thin Au films. Journal of Applied Physics, 1990, 67, 4320-4326.	2.5	37
60	Blood group alters platelet binding kinetics to von Willebrand factor and consequently platelet function. Blood, 2019, 133, 1371-1377.	1.4	36
61	Characterization of p-type cadmium telluride electrodes in acetonitrile/electrolyte solutions. Nearly ideal behavior from reductive surface pretreatments. The Journal of Physical Chemistry, 1983, 87, 5140-5150.	2.9	35
62	The Mars Oxidant experiment (MOx) for Mars '96. Planetary and Space Science, 1998, 46, 769-777.	1.7	35
63	Microfluidic sedimentation cytometer for milk quality and bovine mastitis monitoring. Biomedical Microdevices, 2010, 12, 1051-1059.	2.8	35
64	Multiple-frequency SAW devices for chemical sensing and materials characterization. Sensors and Actuators B: Chemical, 1993, 10, 123-131.	7.8	33
65	The O/OREOS Mission: First Science Data from the Space Environment Viability of Organics (SEVO) Payload. Astrobiology, 2012, 12, 841-853.	3.0	32
66	Synthetic infrared spectra. Optics Letters, 1997, 22, 1036.	3.3	30
67	EcAMSat spaceflight measurements of the role of lfs in antibiotic resistance of stationary phase Escherichia coli in microgravity. Life Sciences in Space Research, 2020, 24, 18-24.	2.3	29
68	Improvement of the photoelectrochemical oxidation of halides by platinization of metal dichalcogenide photoanodes. The Journal of Physical Chemistry, 1983, 87, 4446-4453.	2.9	27
69	Kinetics of Hydrogen Adsorption and Absorption: Catalytic Gate MIS Gas Sensors on Silicon. Journal of the Electrochemical Society, 1989, 136, 2653-2661.	2.9	27
70	Liquid recirculation in microfluidic channels by the interplay of capillary and centrifugal forces. Microfluidics and Nanofluidics, 2010, 9, 695-703.	2.2	27
71	Chemisorptionâ€induced reflectivity changes in optically thin silver films. Applied Physics Letters, 1988, 53, 1471-1473.	3.3	25
72	Integrated system investigating shear-mediated platelet interactions with von Willebrand factor using microliters of whole blood. Analytical Biochemistry, 2010, 405, 174-183.	2.4	25

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73	Study of charge transfer in back-bonding to carbonyl and nitrosyl groups. Inorganic Chemistry, 1980, 19, 1931-1936.	4.0	24
74	Pore structure characterization of porous films. Langmuir, 1989, 5, 459-466.	3.5	24
75	Identification and Quantification of Aqueous Aromatic Hydrocarbons Using SH-Surface Acoustic Wave Sensors. Analytical Chemistry, 2014, 86, 1794-1799.	6.5	24
76	The development of the Space Environment Viability of Organics (SEVO) experiment aboard the Organism/Organic Exposure to Orbital Stresses (O/OREOS) satellite. Planetary and Space Science, 2012, 60, 121-130.	1.7	22
77	An autonomous lab on a chip for space flight calibration of gravity-induced transcellular calcium polarization in single-cell fern spores. Lab on A Chip, 2017, 17, 1095-1103.	6.0	21
78	Electrode-confined catalyst systems for use in optical-to-chemical energy conversion. Journal of Photochemistry and Photobiology, 1985, 29, 71-88.	0.6	20
79	Patterned Adhesion of Electrolessly Deposited Copper on Poly(tetrafluoroethylene). Journal of the Electrochemical Society, 1993, 140, 1763-1768.	2.9	20
80	Application of disposable plastic microfluidic device arrays with customized chemistries to multiplexed biochemical assays. Biochemical Society Transactions, 2002, 30, 73-78.	3.4	20
81	Shear-Mediated Platelet Adhesion Analysis in Less Than 100 μ L of Blood: Toward a POC Platelet Diagnostic. IEEE Transactions on Biomedical Engineering, 2011, 58, 826-830.	4.2	20
82	Dynamic platelet function on von Willebrand factor is different in preterm neonates and full-term neonates: changes in neonatal platelet function. Journal of Thrombosis and Haemostasis, 2016, 14, 2027-2035.	3.8	20
83	Nanosatellites for Biology in Space: In Situ Measurement of Bacillus subtilis Spore Germination and Growth after 6 Months in Low Earth Orbit on the O/OREOS Mission. Life, 2020, 10, 1.	2.4	20
84	SAW Chemical Sensors: An Expanding Role with Global Impact. Electrochemical Society Interface, 1994, 3, 38-44.	0.4	20
85	Use of floating electrodes in transient isotachophoresis to increase the sensitivity of detection. Lab on A Chip, 2003, 3, 86.	6.0	19
86	Analysis of Binary Mixtures of Aqueous Aromatic Hydrocarbons with Low-Phase-Noise Shear-Horizontal Surface Acoustic Wave Sensors Using Multielectrode Transducer Designs. Analytical Chemistry, 2014, 86, 11464-11471.	6.5	19
87	Payload hardware and experimental protocol development to enable future testing of the effect of space microgravity on the resistance to gentamicin of uropathogenic Escherichia coli and its l̃f s -deficient mutant. Life Sciences in Space Research, 2017, 15, 1-10.	2.3	19
88	Autonomous Genetic Analysis System to Study Space Effects on Microorganisms: Results from Orbit. , 2007, , .		18
89	Individual Platelet Adhesion Assay: Measuring Platelet Function and Antiplatelet Therapies in Whole Blood via Digital Quantification of Cell Adhesion. Analytical Chemistry, 2013, 85, 6497-6504.	6.5	17
90	SEVO ON THE GROUND: DESIGN OF A LABORATORY SOLAR SIMULATION IN SUPPORT OF THE <i>O/OREOS</i> MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 15.	7.7	17

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91	Self-Powered Microfluidic Device for Rapid Assay of Antiplatelet Drugs. Langmuir, 2016, 32, 2820-2828.	3.5	17
92	Detection and Quantification of Aromatic Hydrocarbon Compounds in Water Using SH-SAW Sensors and Estimation-Theory-Based Signal Processing. ACS Sensors, 2016, 1, 63-72.	7.8	17
93	Photolithographic metallization of fluorinated polymers. Thin Solid Films, 1995, 262, 73-83.	1.8	16
94	Single-monolayer in situ modulus measurements using a SAW device Photocrosslinking of a diacetylenic thiol-based monolayer. Faraday Discussions, 1997, 107, 247-258.	3.2	16
95	PharmaSat: drug dose response in microgravity from a free-flying integrated biofluidic/optical culture-and-analysis satellite. Proceedings of SPIE, 2011, , .	0.8	16
96	InÂVitro Measurement and Modeling of Platelet Adhesion on VWF-Coated Surfaces in Channel Flow. Biophysical Journal, 2019, 116, 1136-1151.	0.5	16
97	Characterization of intrinsic amorphous hydrogenated silicon as a thin-film photocathode material. Efficient photoreduction processes in aqueous solution. Journal of the American Chemical Society, 1983, 105, 4212-4219.	13.7	15
98	The Organism/Organic Exposure to Orbital Stresses (O/OREOS) Satellite: Radiation Exposure in Low-Earth Orbit and Supporting Laboratory Studies of Iron Tetraphenylporphyrin Chloride. Astrobiology, 2014, 14, 87-101.	3.0	15
99	Examining platelet adhesion via Stokes flow simulations and microfluidic experiments. Soft Matter, 2015, 11, 355-367.	2.7	15
100	Investigation of Polymer–Plasticizer Blends as SH-SAW Sensor Coatings for Detection of Benzene in Water with High Sensitivity and Long-Term Stability. ACS Sensors, 2017, 2, 157-164.	7.8	15
101	The EcAMSat fluidic system to study antibiotic resistance in low earth orbit: Development and lessons learned from space flight. Acta Astronautica, 2020, 173, 449-459.	3.2	15
102	Mars atmospheric oxidant sensor (MAOS): an in-situ heterogeneous chemistry analysis. Planetary and Space Science, 2003, 51, 167-175.	1.7	14
103	Organics Exposure in Orbit (OREOcube): A Next-Generation Space Exposure Platform. Langmuir, 2014, 30, 13217-13227.	3.5	14
104	Assaying the efficacy of dual-antiplatelet therapy: use of a controlled-shear-rate microfluidic device with a well-defined collagen surface to track dynamic platelet adhesion. Analytical and Bioanalytical Chemistry, 2013, 405, 4823-4834.	3.7	13
105	BioSentinel: A Biofluidic Nanosatellite Monitoring Microbial Growth and Activity in Deep Space. Astrobiology, 2023, 23, 637-647.	3.0	13
106	Reflectance Infrared Spectroscopy on Operating Surface Acoustic Wave Chemical Sensors during Exposure to Gas-Phase Analytes. Analytical Chemistry, 1999, 71, 3615-3621.	6.5	12
107	Electrothermal modeling of a microbridge gas sensor. , 1997, 3224, 360.		11
108	The ORGANIC experiment on EXPOSE-R on the ISS: Flight sample preparation and ground control spectroscopy. Advances in Space Research, 2011, 48, 1980-1996.	2.6	11

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109	Reactive deposition of nano-films in deep polymeric microcavities. Lab on A Chip, 2012, 12, 4877.	6.0	11
110	Platelet behaviour on von Willebrand Factor changes in pregnancy: Consequences of haemodilution and intrinsic changes in platelet function. Scientific Reports, 2017, 7, 6354.	3.3	11
111	Effective Hydrodynamic Shaping of Sample Streams in a Microfluidic Parallel-Plate Flow-Assay Device: Matching Whole Blood Dynamic Viscosity. IEEE Transactions on Biomedical Engineering, 2012, 59, 374-382.	4.2	10
112	Design of SH-surface acoustic wave sensors for detection of ppb concentrations of BTEX in water. , 2013, , .		10
113	Biological system development for GraviSat: A new platform for studying photosynthesis and microalgae in space. Life Sciences in Space Research, 2014, 3, 63-75.	2.3	9
114	Fabrication and characterisation of spin coated oxidised PMMA to provide a robust surface for on-chip assays. Journal of Materials Chemistry B, 2015, 3, 135-143.	5.8	9
115	Influence of ambient parameters on the response of polymer-coated SH-surface acoustic wave sensors to aromatic analytes in liquid-phase detection. , 2011, , .		8
116	Online Chemical Sensor Signal Processing Using Estimation Theory: Quantification of Binary Mixtures of Organic Compounds in the Presence of Linear Baseline Drift and Outliers. IEEE Sensors Journal, 2016, 16, 750-761.	4.7	8
117	Chemically Sensitive Interfaces on Surface Acoustic Wave Devices. ACS Symposium Series, 1994, , 264-279.	0.5	7
118	Speciation of linear and branched hydrocarbons by a fluorinated polyimide film based surface acoustic wave sensor. Journal of the American Chemical Society, 1995, 117, 8672-8673.	13.7	7
119	Plastic microfluidic devices. , 2003, , 83-112.		7
120	Low-Cost Microfluidic Single-Use Valves and On-Board Reagent Storage using Laser-Printer Technology. , 2009, , .		7
121	First results of the ORGANIC experiment on EXPOSE-R on the ISS. International Journal of Astrobiology, 2015, 14, 55-66.	1.6	7
122	Computational Tracking of Shear-Mediated Platelet Interactions with von Willebrand Factor. Cardiovascular Engineering and Technology, 2016, 7, 389-405.	1.6	7
123	Carbon nanotube thermoelectric devices by direct printing: Toward wearable energy converters. Applied Physics Letters, 2021, 118, .	3.3	7
124	Europan Molecular Indicators of Life Investigation (EMILI) for a Future Europa Lander Mission. Frontiers in Space Technologies, 2022, 2, .	1.4	7
125	Microfluidics Microbial Activity MicroAssay: An Automated <i>In Situ</i> Microbial Metabolic Detection System. Astrobiology, 2022, 22, 158-170.	3.0	7
126	Sol-Gel Coatings on Acoustic Wave Devices: Thin Film Characterization and Chemical Sensor Development. Materials Research Society Symposia Proceedings, 1990, 180, 583.	0.1	6

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127	Obtaining Chemical Selectivity from a Single, Nonselective Sensing Film: Two-Stage Adaptive Estimation Scheme with Multiparameter Measurement to Quantify Mixture Components and Interferents. ACS Sensors, 2018, 3, 1656-1665.	7.8	6
128	Quantitative Detection of Complex Mixtures using a Single Chemical Sensor: Analysis of Response Transients using Multi-Stage Estimation. ACS Sensors, 2019, 4, 1682-1690.	7.8	6
129	Fiber optic micromirror studies of the interaction of thin copper films with an organophosphonate. Analytical Chemistry, 1992, 64, 1851-1854.	6.5	5
130	Characteristics of Acoustic Plate Modes on Rotated Y-Cuts of Quartz Utilized for Biosensing Applications. Analytical Chemistry, 1999, 71, 5064-5068.	6.5	5
131	Click chemistry as an immobilization method to improve oligonucleotide hybridization efficiency for nucleic acid assays. Sensors and Actuators B: Chemical, 2016, 236, 286-293.	7.8	5
132	Plastic Microfluidic Devices for DNA and Protein Analyses. , 2006, , 311-328.		4
133	Dynamic platelet function is markedly different in patients with cancer compared to healthy donors. Platelets, 2019, 30, 737-742.	2.3	4
134	Electrochemistry for Life Detection on Ocean Worlds. ChemElectroChem, 2020, 7, 614-623.	3.4	4
135	CubeSats for microbiology and astrobiology research. , 2021, , 147-162.		4
136	<title>Detection of volatile organics using a surface acoustic-wave array system</title> . , 1999, 3857, 146.		3
137	5.4.2 Quantification of Benzene in Groundwater Using SH-Surface Acoustic Wave Sensors. , 2012, , .		3
138	Electrochemistry for Life Detection on Ocean Worlds. ECS Meeting Abstracts, 2019, MA2019-02, 2482-2482.	0.0	3
139	Multi-analyte Biochip (MAB) Based on All-solid-state Ion-selective Electrodes (ASSISE) for Physiological Research. Journal of Visualized Experiments, 2013, , .	0.3	2
140	Near-real-time analysis of binary mixtures of organic compounds in water using SH-SAW sensors and estimation theory. , 2014, , .		2
141	Microfabricated Biosensing Devices: MEMS, Microfluidics, and Mass Sensors. , 2006, , 79-106.		2
142	Application-Specific Adaptable Coatings for Sensors: Using a Single Polymer–Plasticizer Pair to Detect Aromatic Hydrocarbons, Mixtures, and Interferents in Water with Single Sensors and Arrays. ACS Sensors, 2022, 7, 649-657.	7.8	2
143	Monolithic Centrifugal Microfluidic Platform for Bacteria Capture and Concentration, Lysis, Nucleic-Acid Amplification, and Real-Time Detection. , 2009, , .		1

144 Thin film diffusion barrier formation in PDMS microcavities. , 2009, , .

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145	Polymer-plasticizer coatings for shear horizontal-surface acoustic wave sensors for long-term monitoring of BTEX analytes in liquid-phase. , 2016, , .		1
146	Sensor-based estimation of BTEX concentrations in water samples using recursive least squares and Kalman filter techniques. , 2016, , .		1
147	Detection and Quantification of Multi-Analyte Mixtures Using a Single Sensor and Multi-Stage Data-Weighted RLSE. , 2018, , .		1
148	Response to Comments on "EcAMSat spaceflight measurements of the role of σs in antibiotic resistance of stationary phase Escherichia coli in microgravity― Life Sciences in Space Research, 2021, 29, 85-86.	2.3	1
149	<title>Synthetic infrared spectra for correlation spectroscopy</title> ., 1997, 3118, 350.		0
150	Plastic Microfluidic Systems for High-Throughput Genomic Analysis and Drug Screening. Journal of the Association for Laboratory Automation, 2001, 6, 71-75.	2.8	0
151	Whole-Blood Diagnostic Sensing System Based on Populational Platelet Rolling Behavior. ECS Transactions, 2009, 19, 73-77.	0.5	0
152	Design criteria for plasticized polymer coatings for long-term acoustic-wave sensor measurements in aqueous phase. , 2017, , .		0
153	Design of Chemical Sensor Coatings Based On Blends of a Single Polymer-Plasticizer Pair for Detection of Single or Multi-Analyte Aqueous Solutions. , 2019, , .		0
154	O/OREOS Nanosatellite. , 2014, , 1-3.		0
155	O/OREOS Nanosatellite. , 2015, , 1747-1749.		0
156	Platelet Interactions with Von Willebrand Factor: Comparing Platelet Function in Acute and Stable Coronary Syndromes. Blood, 2016, 128, 3829-3829.	1.4	0
157	(Keynote) Integrated Microfluidic Bioanalytical Systems: Growing and Monitoring Microbial Cultures in Outer Space. ECS Meeting Abstracts, 2018, , .	0.0	0
158	Measuring Soluble Properties of Planetary Science Samples: Sensor and System Development Since the Wet Chemistry Laboratory. ECS Meeting Abstracts, 2019, , .	0.0	0
159	A 3D-Printed Microfluidic Device with Integrated Electrochemical Sensors for Autonomous Habitability Assessment and Life Detection ECS Meeting Abstracts, 2020, MA2020-01, 2353-2353.	0.0	0
160	Multi-Component Sensor Coatings for Identification and Quantification of Four Chemical Isomers: Ethylbenzene and M-, P-, O-Xylene in Water. ECS Meeting Abstracts, 2020, MA2020-01, 2428-2428.	0.0	0
161	Integrated Plastic Microfluidic Devices for Bacterial Detection. , 2007, , 78-89.		Ο