

# Aleksandar Radu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

793  
citations

623734

14  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance modelling of zeolite-based potentiometric sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131343.	7.8	7
2	Concurrent measurement of nitrate and ammonium in water and soil samples using ion-selective electrodes: Tackling sensitivity and precision issues. <i>Analytical Science Advances</i> , 2021, 2, 279-288.	2.8	3
3	Ion sensing pencil: Draw your own sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129751.	7.8	4
4	A Pencil-Drawn Electronic Tongue for Environmental Applications. <i>Sensors</i> , 2021, 21, 4471.	3.8	6
5	Portable, In-Situ Determination of Soil Nutrients. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1583-1583.	0.0	0
6	Digital Colorimetry: Raspberry Pi-Based Sensors for Air and Water Quality Monitoring. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1593-1593.	0.0	0
7	Self-plasticized, lumogallion-based fluorescent optical sensor for the determination of aluminium (III) with ultra-low detection limits. <i>Analytica Chimica Acta</i> , 2020, 1101, 141-148.	5.4	11
8	Establishing Meaningful Limits of Detection for Ion-Selective Electrodes and Other Nonlinear Sensors. <i>ACS Sensors</i> , 2020, 5, 250-257.	7.8	18
9	Semi-Automated Data Analysis for Ion-Selective Electrodes and Arrays Using the R Package ISEtools. <i>Sensors</i> , 2019, 19, 4544.	3.8	3
10	Robust, Bridgeless Ion-Selective Electrodes with Significantly Reduced Need for Pre- and Post-application Handling. <i>Electroanalysis</i> , 2018, 30, 740-747.	2.9	3
11	Simultaneous Detection of Ammonium and Nitrate in Environmental Samples Using an Ion-Selective Electrode and Comparison with Portable Colorimetric Assays. <i>Sensors</i> , 2018, 18, 3555.	3.8	36
12	Single strip solid contact ion selective electrodes on a pencil-drawn electrode substrate. <i>Analytical Methods</i> , 2017, 9, 1213-1220.	2.7	19
13	Influence of Ionic Liquids on the Selectivity of Ion Exchange-Based Polymer Membrane Sensing Layers. <i>Sensors</i> , 2016, 16, 1106.	3.8	10
14	Simple, Robust, and Plasticizer-Free Iodide-Selective Sensor Based on Copolymerized Triazole-Based Ionic Liquid. <i>Analytical Chemistry</i> , 2016, 88, 4311-4317.	6.5	24
15	Circumventing Traditional Conditioning Protocols in Polymer Membrane-Based Ion-Selective Electrodes. <i>Analytical Chemistry</i> , 2016, 88, 8404-8408.	6.5	19
16	Robust and Ultrasensitive Polymer Membrane-Based Carbonate-Selective Electrodes. <i>Analytical Chemistry</i> , 2015, 87, 7515-7518.	6.5	26
17	Ion selective electrodes in environmental analysis. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 1729-1761.	0.8	43
18	Disposable solid-contact ion-selective electrodes for environmental monitoring of lead with ppb limit-of-detection. <i>Electrochimica Acta</i> , 2012, 73, 93-97.	5.2	46

#	ARTICLE	IF	CITATIONS
19	Bayesian Methods for Ion Selective Electrodes. <i>Electroanalysis</i> , 2012, 24, 316-324.	2.9	11
20	Wireless Ion-Selective Electrode Autonomous Sensing System. <i>IEEE Sensors Journal</i> , 2011, 11, 2374-2382.	4.7	25
21	Diagnostic of functionality of polymer membrane $\text{Ca}^{2+}$ based ion selective electrodes by impedance spectroscopy. <i>Analytical Methods</i> , 2010, 2, 1490.	2.7	43
22	Evaluation of Liquid and Solid Contact, $\text{Pb}^{2+}$ Selective Polymer Membrane Electrodes for Soil Analysis. <i>Electroanalysis</i> , 2008, 20, 340-346.	2.9	44
23	Solid Contact Potentiometric Sensors for Trace Level Measurements. <i>Analytical Chemistry</i> , 2006, 78, 1318-1322.	6.5	197
24	Improving the Detection Limit of Anion-Selective Electrodes: An Iodide-Selective Membrane with a Nanomolar Detection Limit. <i>Analytical Chemistry</i> , 2003, 75, 3865-3871.	6.5	113
25	Plasticizer-Free Polymer Containing a Covalently Immobilized $\text{Ca}^{2+}$ -Selective Ionophore for Potentiometric and Optical Sensors. <i>Analytical Chemistry</i> , 2003, 75, 3038-3045.	6.5	82