

# Ian J Burgess

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

249  
citations

1163117

8  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Simple Cartoons: Challenges in Characterizing Electrochemical Biosensor Interfaces. <i>ACS Sensors</i> , 2018, 3, 5-12.	7.8	70
2	Electrochemical ATR-SEIRAS Using Low-Cost, Micromachined Si Wafers. <i>Analytical Chemistry</i> , 2017, 89, 11818-11824.	6.5	39
3	Hybrid Gold-Conductive Metal Oxide Films for Attenuated Total Reflectance Surface Enhanced Infrared Absorption Spectroscopy. <i>ACS Applied Nano Materials</i> , 2019, 2, 1274-1284.	5.0	28
4	Microsecond Resolved Infrared Spectroelectrochemistry Using Dual Frequency Comb IR Lasers. <i>Analytical Chemistry</i> , 2020, 92, 6241-6244.	6.5	26
5	Micromachined multigroove silicon ATR FT-IR internal reflection elements for chemical imaging of microfluidic devices. <i>Analytical Methods</i> , 2019, 11, 5776-5783.	2.7	15
6	Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectromicroscopy Using Synchrotron Radiation and Micromachined Silicon Wafers for Microfluidic Applications. <i>Applied Spectroscopy</i> , 2018, 72, 1781-1789.	2.2	14
7	An Effective Medium Theory Description of Surface-Enhanced Infrared Absorption from Metal Island Layers Grown on Conductive Metal Oxide Films. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22301-22311.	3.1	12
8	Interactions between polystyrene nanoparticles and supported lipid bilayers: impact of charge and hydrophobicity modification by specific anions. <i>Environmental Science: Nano</i> , 2019, 6, 1829-1837.	4.3	9
9	Optimization of a Commercial Variable Angle Accessory for Entry Level Users of Electrochemical Attenuated Total Reflection Surface-Enhanced Infrared Absorption Spectroscopy (ATR-SEIRAS). <i>Applied Spectroscopy</i> , 2019, 73, 1394-1402.	2.2	8
10	A spectromicroscopy study of the corrosion of polymer coated steel. <i>Corrosion Science</i> , 2018, 145, 35-46.	6.6	7
11	Quantitative analysis of electrochemical diffusion layers using synchrotron infrared radiation. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 184-189.	3.8	6
12	Probing Heterogeneity in Attenuated Total Reflection Surface-Enhanced Infrared Absorption Spectroscopy (ATR-SEIRAS) Response with Synchrotron Infrared Microspectroscopy. <i>Applied Spectroscopy</i> , 2021, 75, 1198-1206.	2.2	5
13	Electrochemical and surface enhanced infrared absorption spectroscopy studies of TEMPO self-assembled monolayers. <i>Electrochimica Acta</i> , 2021, 381, 138263.	5.2	5
14	Surface sensitive infrared spectroelectrochemistry using palladium electrodeposited on ITO-modified internal reflection elements. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2925-2933.	2.8	5
15	Electrochemical and SEIRAS studies of urea and biuret adsorption on polycrystalline gold. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 152-158.	3.8	0