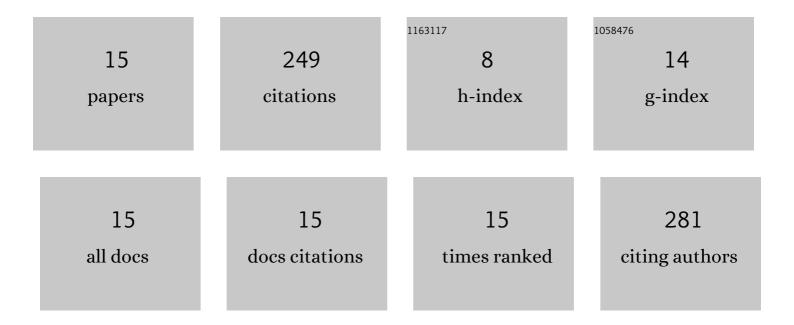
## Ian J Burgess

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2208345/publications.pdf

Version: 2024-02-01



IAN L RUDCESS

#	ARTICLE	IF	CITATIONS
1	Beyond Simple Cartoons: Challenges in Characterizing Electrochemical Biosensor Interfaces. ACS Sensors, 2018, 3, 5-12.	7.8	70
2	Electrochemical ATR-SEIRAS Using Low-Cost, Micromachined Si Wafers. Analytical Chemistry, 2017, 89, 11818-11824.	6.5	39
3	Hybrid Gold–Conductive Metal Oxide Films for Attenuated Total Reflectance Surface Enhanced Infrared Absorption Spectroscopy. ACS Applied Nano Materials, 2019, 2, 1274-1284.	5.0	28
4	Microsecond Resolved Infrared Spectroelectrochemistry Using Dual Frequency Comb IR Lasers. Analytical Chemistry, 2020, 92, 6241-6244.	6.5	26
5	Micromachined multigroove silicon ATR FT-IR internal reflection elements for chemical imaging of microfluidic devices. Analytical Methods, 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. Applied Spectroscopy, 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. Journal of Physical Chemistry C, 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. Environmental Science: Nano, 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). Applied Spectroscopy, 2019, 73, 1394-1402.	2.2	8
10	A spectromicroscopy study of the corrosion of polymer coated steel. Corrosion Science, 2018, 145, 35-46.	6.6	7
11	Quantitative analysis of electrochemical diffusion layers using synchrotron infrared radiation. Journal of Electroanalytical Chemistry, 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. Applied Spectroscopy, 2021, 75, 1198-1206.	2.2	5
13	Electrochemical and surface enhanced infrared absorption spectroscopy studies of TEMPO self-assembled monolayers. Electrochimica Acta, 2021, 381, 138263.	5.2	5
14	Surface sensitive infrared spectroelectrochemistry using palladium electrodeposited on ITO-modified internal reflection elements. Physical Chemistry Chemical Physics, 2022, 24, 2925-2933.	2.8	5
15	Electrochemical and SEIRAS studies of urea and biuret adsorption on polycrystalline gold. Journal of Electroanalytical Chemistry, 2018, 819, 152-158.	3.8	0