

# Scott M Rosendahl

## List of Publications by Year in descending order

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26  
papers

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citations

623574

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552653

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docs citations

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times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Resonances of Chiral Metastructures in the Mid-Infrared Spectral Range. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	2
2	Surface enhanced infrared spectroelectrochemistry using a microband electrode. <i>Canadian Journal of Chemistry</i> , 2022, 100, 495-499.	0.6	4
3	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.	1.2	5
4	Hansen Solubility Parameters Clarify the Role of the Primary and Secondary Hydroxyl Groups on the Remarkable Self-Assembly of 1:3,2:4-Dibenzylidene Sorbitol. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26455-26466.	1.5	6
5	Microsecond Resolved Infrared Spectroelectrochemistry Using Dual Frequency Comb IR Lasers. <i>Analytical Chemistry</i> , 2020, 92, 6241-6244.	3.2	26
6	Origin of micro-scale heterogeneity in polymerisation of photo-activated resin composites. <i>Nature Communications</i> , 2020, 11, 1849.	5.8	18
7	Micromachined multigroove silicon ATR FT-IR internal reflection elements for chemical imaging of microfluidic devices. <i>Analytical Methods</i> , 2019, 11, 5776-5783.	1.3	15
8	Infrared chemical mapping of degradation products in cross-sections from paintings and painted objects. <i>Heritage Science</i> , 2019, 7, .	1.0	22
9	Exploiting Anisotropy of Plasmonic Nanostructures with Polarization Modulation Infrared Linear Dichroism Microscopy ( $\mu\text{PM}\text{-IRLD}$ ). <i>Advanced Optical Materials</i> , 2018, 6, 1701336.	3.6	15
10	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.	1.2	14
11	Quantitative analysis of electrochemical diffusion layers using synchrotron infrared radiation. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 184-189.	1.9	6
12	Dendritic Plasmonics for Mid-Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9497-9507.	1.5	33
13	Review of Canadian Light Source facilities for biological applications. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 411, 17-21.	0.6	7
14	Femtomole Infrared Spectroscopy at the Electrified Metal-Solution Interface. <i>Analytical Chemistry</i> , 2016, 88, 9351-9354.	3.2	8
15	Spatial Mapping of Methanol Oxidation Activity on a Monolithic Variable-Composition PtNi Alloy Using Synchrotron Infrared Microspectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23640-23647.	1.5	7
16	Superimposed Arrays of Nanoprisms for Multispectral Molecular Plasmonics. <i>ACS Photonics</i> , 2016, 3, 1723-1732.	3.2	30
17	Spatiotemporal Mapping of Diffusion Layers Using Synchrotron Infrared Radiation. <i>Electrochimica Acta</i> , 2015, 162, 72-78.	2.6	8
18	Step-Scan IR Spectroelectrochemistry with Ultramicroelectrodes: Nonsurface Enhanced Detection of Near Femtomole Quantities Using Synchrotron Radiation. <i>Analytical Chemistry</i> , 2013, 85, 8722-8727.	3.2	16

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19	Synchrotron Infrared Radiation for Electrochemical External Reflection Spectroscopy: A Case Study Using Ferrocyanide. <i>Analytical Chemistry</i> , 2011, 83, 3632-3639.	3.2	16
20	Charge transfer and SEIRAS studies of 1,4-benzoquinone functionalized mixed monothiol/dithiol self-assembled monolayers. <i>Electrochimica Acta</i> , 2011, 56, 4361-4368.	2.6	7
21	Interface for time-resolved electrochemical infrared microspectroscopy using synchrotron infrared radiation. <i>Review of Scientific Instruments</i> , 2011, 82, 083105.	0.6	8
22	Coupled Electron/Proton Transfer Studies of Benzoquinone-Modified Monolayers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2738-2745.	1.5	40
23	Surface Enhanced Infrared Absorption Spectroscopy Studies of DMAP Adsorption on Gold Surfaces. <i>Langmuir</i> , 2009, 25, 2241-2247.	1.6	30
24	Electrochemical and infrared spectroscopy studies of 4-mercaptobenzoic acid SAMs on gold surfaces. <i>Electrochimica Acta</i> , 2008, 53, 6759-6767.	2.6	52
25	Spectroscopy of human plasma for diagnosis of idiopathic Parkinson's disease. <i>Biomarkers in Medicine</i> , 2008, 2, 229-238.	0.6	24
26	Noninvasive metabolomic profiling of embryo culture media using Raman and near-infrared spectroscopy correlates with reproductive potential of embryos in women undergoing in vitro fertilization. <i>Fertility and Sterility</i> , 2007, 88, 1350-1357.	0.5	255