

Joseph W Lowdon

List of Publications by Year in descending order

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14
papers

311
citations

1039406

9
h-index

1058022

14
g-index

14
all docs

14
docs citations

14
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	MIPs for commercial application in low-cost sensors and assays – An overview of the current status quo. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128973.	4.0	130
2	Thermal Detection of Glucose in Urine Using a Molecularly Imprinted Polymer as a Recognition Element. <i>ACS Sensors</i> , 2021, 6, 4515-4525.	4.0	26
3	Biomimetic sensing of <i>Escherichia coli</i> at the solid-liquid interface: From surface-imprinted polymer synthesis toward real sample sensing in food safety. <i>Microchemical Journal</i> , 2021, 169, 106554.	2.3	25
4	Surface grafted molecularly imprinted polymeric receptor layers for thermal detection of the New Psychoactive substance 2-methoxyphenidine. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 586-595.	2.0	24
5	Substrate displacement colorimetry for the detection of diarylethylamines. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 137-144.	4.0	19
6	A Novel Biomimetic Tool for Assessing Vitamin K Status Based on Molecularly Imprinted Polymers. <i>Nutrients</i> , 2018, 10, 751.	1.7	15
7	The Liberalization of Microfluidics: Form 2 Benchtop 3D Printing as an Affordable Alternative to Established Manufacturing Methods. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900935.	0.8	15
8	Colorimetric Sensing of Amoxicillin Facilitated by Molecularly Imprinted Polymers. <i>Polymers</i> , 2021, 13, 2221.	2.0	15
9	A Molecularly Imprinted Polymer-based Dye Displacement Assay for the Rapid Visual Detection of Amphetamine in Urine. <i>Molecules</i> , 2020, 25, 5222.	1.7	14
10	Rapid Colorimetric Screening of Elevated Phosphate in Urine: A Charge-Transfer Interaction. <i>ACS Omega</i> , 2020, 5, 21054-21066.	1.6	6
11	Modular Science Kit as a support platform for STEM learning in primary and secondary school. <i>Journal of Chemical Education</i> , 2021, 98, 439-444.	1.1	6
12	Identifying Potential Machine Learning Algorithms for the Simulation of Binding Affinities to Molecularly Imprinted Polymers. <i>Computation</i> , 2021, 9, 103.	1.0	6
13	Studying the Effect of Adhesive Layer Composition on MIP-Based Thermal Biosensing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800941.	0.8	5
14	Biomimetic Bacterial Identification Platform Based on Thermal Transport Analysis Through Surface Imprinted Polymers: From Proof of Principle to Proof of Application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800688.	0.8	5