

Hanne DiliÃ«n

List of Publications by Year in descending order

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32
papers

625
citations

623188

14
h-index

610482

24
g-index

32
all docs

32
docs citations

32
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyphosphate-Based Hydrogels as Drug-Loaded Wound Dressing: An <i>In Vitro</i> Study. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2871-2879.	2.0	13
2	Imprinted Polydimethylsiloxane-Graphene Oxide Composite Receptor for the Biomimetic Thermal Sensing of <i>Escherichia coli</i> . <i>ACS Sensors</i> , 2022, 7, 1467-1475.	4.0	8
3	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
4	Imprinted Polymers as Synthetic Receptors in Sensors for Food Safety. <i>Biosensors</i> , 2021, 11, 46.	2.3	17
5	Colorimetric Sensing of Amoxicillin Facilitated by Molecularly Imprinted Polymers. <i>Polymers</i> , 2021, 13, 2221.	2.0	15
6	Identifying Potential Machine Learning Algorithms for the Simulation of Binding Affinities to Molecularly Imprinted Polymers. <i>Computation</i> , 2021, 9, 103.	1.0	6
7	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
8	Topographical Vacuum Sealing of 3D-Printed Multiplanar Microfluidic Structures. <i>Biosensors</i> , 2021, 11, 395.	2.3	4
9	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
10	Point of Care Diagnostics in Resource-Limited Settings: A Review of the Present and Future of PoC in Its Most Needed Environment. <i>Biosensors</i> , 2020, 10, 133.	2.3	57
11	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
12	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
13	Rapid Colorimetric Screening of Elevated Phosphate in Urine: A Charge-Transfer Interaction. <i>ACS Omega</i> , 2020, 5, 21054-21066.	1.6	6
14	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
15	An Efficient Thermal Elimination Pathway toward Phosphodiester Hydrogels via a Precursor Approach. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900466.	1.1	5
16	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
17	Phosphodiester Hydrogels for Cell Scaffolding and Drug Release Applications. <i>Macromolecular Bioscience</i> , 2019, 19, e1900090.	2.1	9
18	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

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19	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
20	Substrate displacement colorimetry for the detection of diarylethylamines. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 137-144.	4.0	19
21	SIP-Based Thermal Detection Platform for the Direct Detection of Bacteria Obtained from a Contaminated Surface. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700777.	0.8	3
22	A Novel Biomimetic Tool for Assessing Vitamin K Status Based on Molecularly Imprinted Polymers. <i>Nutrients</i> , 2018, 10, 751.	1.7	15
23	Biomimetic Bacterial Identification Platform Based on Thermal Wave Transport Analysis (TWTA) through Surface-Imprinted Polymers. <i>ACS Infectious Diseases</i> , 2017, 3, 388-397.	1.8	33
24	Label-Free Detection of Small Organic Molecules by Molecularly Imprinted Polymer Functionalized Thermocouples: Toward In Vivo Applications. <i>ACS Sensors</i> , 2017, 2, 583-589.	4.0	31
25	Studying the Drug Delivery Kinetics of a Nanoporous Matrix Using a MIP-Based Thermal Sensing Platform. <i>Polymers</i> , 2017, 9, 560.	2.0	4
26	Application of electrodeposited piezo-resistive polypyrrole for a pressure-sensitive bruxism sensor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1505-1509.	0.8	5
27	Label-Free Detection of <i>Escherichia coli</i> Based on Thermal Transport through Surface Imprinted Polymers. <i>ACS Sensors</i> , 2016, 1, 1140-1147.	4.0	64
28	Heat-Transfer-Method-Based Cell Culture Quality Assay through Cell Detection by Surface Imprinted Polymers. <i>Langmuir</i> , 2015, 31, 2043-2050.	1.6	29
29	Electronic Structure of the Positive Radical of ¹³ C-Labeled Poly(3-Octylthienylene Vinylene) Polymer. <i>Applied Magnetic Resonance</i> , 2014, 45, 827-839.	0.6	2
30	MIP-based Sensor Platforms for Detection of Analytes in Nano- and Micromolar Range. , 2012, , 91-124.		1
31	Development of multichannel quartz crystal microbalances for MIP-based biosensing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 892-899.	0.8	26
32	Synthesis of 5,7,12,14-Tetraarylpentacenes from Pentacene-5,7,12,14-tetrone and Characterisation of the Tetro Intermediates. <i>Synlett</i> , 2006, 2006, 1359-1362.	1.0	3