Hanne DiliÃ«n

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/195630/publications.pdf

Version: 2024-02-01

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	MIPs for commercial application in low-cost sensors and assays â€“ An overview of the current status quo. Sensors and Actuators B: Chemical, 2020, 325, 128973.	4.0	130
2	Label-Free Detection of Escherichia coli Based on Thermal Transport through Surface Imprinted Polymers. ACS Sensors, 2016, 1, 1140-1147.	4.0	64
3	Point of Care Diagnostics in Resource-Limited Settings: A Review of the Present and Future of PoC in Its Most Needed Environment. Biosensors, 2020, 10, 133.	2.3	57
4	Biomimetic Bacterial Identification Platform Based on Thermal Wave Transport Analysis (TWTA) through Surface-Imprinted Polymers. ACS Infectious Diseases, 2017, 3, 388-397.	1.8	33
5	Label-Free Detection of Small Organic Molecules by Molecularly Imprinted Polymer Functionalized Thermocouples: Toward In Vivo Applications. ACS Sensors, 2017, 2, 583-589.	4.0	31
6	Heat-Transfer-Method-Based Cell Culture Quality Assay through Cell Detection by Surface Imprinted Polymers. Langmuir, 2015, 31, 2043-2050.	1.6	29
7	Development of multichannel quartz crystal microbalances for MIPâ€based biosensing. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 892-899.	0.8	26
8	Thermal Detection of Glucose in Urine Using a Molecularly Imprinted Polymer as a Recognition Element. ACS Sensors, 2021, 6, 4515-4525.	4.0	26
9	Biomimetic sensing of Escherichia coli at the solid-liquid interface: From surface-imprinted polymer synthesis toward real sample sensing in food safety. Microchemical Journal, 2021, 169, 106554.	2.3	25
10	Surface grafted molecularly imprinted polymeric receptor layers for thermal detection of the New Psychoactive substance 2-methoxphenidine. Sensors and Actuators A: Physical, 2019, 295, 586-595.	2.0	24
11	Substrate displacement colorimetry for the detection of diarylethylamines. Sensors and Actuators B: Chemical, 2019, 282, 137-144.	4.0	19
12	Imprinted Polymers as Synthetic Receptors in Sensors for Food Safety. Biosensors, 2021, 11, 46.	2.3	17
13	A Novel Biomimetic Tool for Assessing Vitamin K Status Based on Molecularly Imprinted Polymers. Nutrients, 2018, 10, 751.	1.7	15
14	The Liberalization of Microfluidics: Form 2 Benchtop 3D Printing as an Affordable Alternative to Established Manufacturing Methods. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900935.	0.8	15
15	Colorimetric Sensing of Amoxicillin Facilitated by Molecularly Imprinted Polymers. Polymers, 2021, 13, 2221.	2.0	15
16	A Molecularly Imprinted Polymer-based Dye Displacement Assay for the Rapid Visual Detection of Amphetamine in Urine. Molecules, 2020, 25, 5222.	1.7	14
17	Polyphosphate-Based Hydrogels as Drug-Loaded Wound Dressing: An In Vitro Study. ACS Applied Polymer Materials, 2022, 4, 2871-2879.	2.0	13
18	Phosphodiester Hydrogels for Cell Scaffolding and Drug Release Applications. Macromolecular Bioscience, 2019, 19, e1900090.	2.1	9

#	Article	IF	Citations
19	Imprinted Polydimethylsiloxane-Graphene Oxide Composite Receptor for the Biomimetic Thermal Sensing of Escherichia coli. ACS Sensors, 2022, 7, 1467-1475.	4.0	8
20	Rapid Colorimetric Screening of Elevated Phosphate in Urine: A Charge-Transfer Interaction. ACS Omega, 2020, 5, 21054-21066.	1.6	6
21	Modular Science Kit as a support platform for STEM learning in primary and secondary school. Journal of Chemical Education, 2021, 98, 439-444.	1.1	6
22	Identifying Potential Machine Learning Algorithms for the Simulation of Binding Affinities to Molecularly Imprinted Polymers. Computation, 2021, 9, 103.	1.0	6
23	Application of electrodeposited piezoâ€resistive polypyrrole for a pressureâ€sensitive bruxism sensor. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1505-1509.	0.8	5
24	Studying the Effect of Adhesive Layer Composition on MIPâ€Based Thermal Biosensing. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800941.	0.8	5
25	Biomimetic Bacterial Identification Platform Based on Thermal Transport Analysis Through Surface Imprinted Polymers: From Proof of Principle to Proof of Application. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800688.	0.8	5
26	An Efficient Thermal Elimination Pathway toward Phosphodiester Hydrogels via a Precursor Approach. Macromolecular Chemistry and Physics, 2020, 221, 1900466.	1.1	5
27	Studying the Drug Delivery Kinetics of a Nanoporous Matrix Using a MIP-Based Thermal Sensing Platform. Polymers, 2017, 9, 560.	2.0	4
28	Topographical Vacuum Sealing of 3D-Printed Multiplanar Microfluidic Structures. Biosensors, 2021, 11, 395.	2.3	4
29	Synthesis of 5,7,12,14-Tetraarylpentacenes from Pentacene-5,7,12,14-tetrone and Characterisation of the Tetrol Intermediates. Synlett, 2006, 2006, 1359-1362.	1.0	3
30	SIPâ€Based Thermal Detection Platform for the Direct Detection of Bacteria Obtained from a Contaminated Surface. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700777.	0.8	3
31	Electronic Structure of the Positive Radical of 13C-Labeled Poly(3-Octylthienylene Vinylene) Polymer. Applied Magnetic Resonance, 2014, 45, 827-839.	0.6	2
32	MIP-based Sensor Platforms for Detection of Analytes in Nano- and Micromolar Range. , 2012, , 91-124.		1