

Todd Cowen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

568
citations

623734

14
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational approaches in the design of synthetic receptors – A review. <i>Analytica Chimica Acta</i> , 2016, 936, 62-74.	5.4	136
2	Highly Efficient Abiotic Assay Formats for Methyl Parathion: Molecularly Imprinted Polymer Nanoparticle Assay as an Alternative to Enzyme-Linked Immunosorbent Assay. <i>Analytical Chemistry</i> , 2019, 91, 958-964.	6.5	42
3	Electrochemical sensing of cocaine in real samples based on electrodeposited biomimetic affinity ligands. <i>Analyst, The</i> , 2019, 144, 4639-4646.	3.5	41
4	Modulation of Quorum Sensing in a Gram-Positive Pathogen by Linear Molecularly Imprinted Polymers with Anti-Infective Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16555-16558.	13.8	39
5	Conductive imprinted polymers for the direct electrochemical detection of β -lactam antibiotics: The case of cefquinome. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126786.	7.8	37
6	Disposable paracetamol sensor based on electroactive molecularly imprinted polymer nanoparticles for plasma monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129128.	7.8	36
7	Synthetic Mechanism of Molecular Imprinting at the Solid Phase. <i>Macromolecules</i> , 2020, 53, 1435-1442.	4.8	34
8	Polymer platforms for selective detection of cocaine in street samples adulterated with levamisole. <i>Talanta</i> , 2018, 186, 362-367.	5.5	29
9	Design and fabrication of a smart sensor using in silico epitope mapping and electro-responsive imprinted polymer nanoparticles for determination of insulin levels in human plasma. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112536.	10.1	29
10	Molecularly imprinted nanoparticles-based assay (MINA) – detection of leukotrienes and insulin. <i>Analyst, The</i> , 2020, 145, 4224-4232.	3.5	24
11	Synthesis and Application of Ion-Imprinted Nanoparticles in Electrochemical Sensors for Copper (II) Determination. <i>ChemNanoMat</i> , 2019, 5, 754-760.	2.8	20
12	Solubility and size of polymer nanoparticles. <i>Polymer Chemistry</i> , 2018, 9, 4566-4573.	3.9	16
13	In Silico Synthesis of Synthetic Receptors: A Polymerization Algorithm. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2011-2016.	3.9	15
14	Study of Epitope Imprinting for Small Templates: Preparation of NanoMIPs for Ochratoxin A. <i>ChemNanoMat</i> , 2019, 5, 651-657.	2.8	15
15	Electropolymerized α -Phenylenediamine on Graphite Promoting the Electrochemical Detection of Nafcillin. <i>Electroanalysis</i> , 2020, 32, 135-141.	2.9	14
16	Modulation of Quorum Sensing in a Gram-Positive Pathogen by Linear Molecularly Imprinted Polymers with Anti-Infective Properties. <i>Angewandte Chemie</i> , 2017, 129, 16782-16785.	2.0	10
17	Probing Peptide Sequences on Their Ability to Generate Affinity Sites in Molecularly Imprinted Polymers. <i>Langmuir</i> , 2020, 36, 279-283.	3.5	10
18	Development of MIP sensor for monitoring propofol in clinical procedures. <i>Journal of the Chinese Advanced Materials Society</i> , 2015, 3, 149-160.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Theoretical aspects of peptide imprinting: screening of MIP (virtual) binding sites for their interactions with amino acids, di- and tripeptides. Journal of the Chinese Advanced Materials Society, 2018, 6, 301-310.	0.7	7
20	Modeling molecularly imprinted polymer mechanics. , 2019, , 51-75.		3
21	Use of polymeric solid phase in synthesis of MIP nanoparticles for biotin. Reactive and Functional Polymers, 2022, 170, 105109.	4.1	2
22	Computational Simulation for Antioxidant Activities: Identification of Physical Properties of Peptide from Mare Milk. Journal of Food Chemistry and Nanotechnology, 2021, 7, 25-29.	0.3	0