Joanna Czulak

List of Publications by Year
in descending order

14 papers	330 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	421 citing authors

#	Article	IF	Citations
1	A novel thermal detection method based on molecularly imprinted nanoparticles as recognition elements. Nanoscale, 2018, 10, 2081-2089.	5.6	53
2	Thermal Detection of Cardiac Biomarkers Heart-Fatty Acid Binding Protein and ST2 Using a Molecularly Imprinted Nanoparticle-Based Multiplex Sensor Platform. ACS Sensors, 2019, 4, 2838-2845.	7.8	50
3	Molecularly Imprinted Polymer Nanoparticles Enable Rapid, Reliable, and Robust Point-of-Care Thermal Detection of SARS-CoV-2. ACS Sensors, 2022, 7, 1122-1131.	7.8	45
4	Highly Efficient Abiotic Assay Formats for Methyl Parathion: Molecularly Imprinted Polymer Nanoparticle Assay as an Alternative to Enzyme-Linked Immunosorbent Assay. Analytical Chemistry, 2019, 91, 958-964.	6.5	42
5	Immobilization of Molecularly Imprinted Polymer Nanoparticles onto Surfaces Using Different Strategies: Evaluating the Influence of the Functionalized Interface on the Performance of a Thermal Assay for the Detection of the Cardiac Biomarker Troponin I. ACS Applied Materials & Interfaces, 2021, 13, 27868-27879.	8.0	24
6	New protocol for optimisation of polymer composition for imprinting of peptides and proteins. RSC Advances, 2019, 9, 27849-27855.	3.6	20
7	A Novel Assay Format as an Alternative to ELISA: MINA Test for Biotin. ChemNanoMat, 2018, 4, 1214-1222.	2.8	18
8	Development of a homogenous assay based on fluorescent imprinted nanoparticles for analysis of nitroaromatic compounds. Nano Research, 2019, 12, 3044-3050.	10.4	18
9	Application of molecularly imprinted polymer nanoparticles for degradation of the bacterial autoinducerN-hexanoyl homoserine lactone. Chemical Communications, 2019, 55, 2664-2667.	4.1	16
10	Polymer Catalysts Imprinted with Metal Ions as Biomimics of Metalloenzymes. Advances in Materials Science and Engineering, 2013, 2013, 1-9.	1.8	12
11	Biocompatibility and biodistribution of surface-modified yttrium oxide nanoparticles for potential theranostic applications. Environmental Science and Pollution Research, 2020, 27, 19095-19107.	5.3	12
12	Negative selection of MIPs to create high specificity ligands for glycated haemoglobin. Sensors and Actuators B: Chemical, 2019, 301, 126967.	7.8	9
13	A magnetic molecularly imprinted nanoparticle assay (MINA) for detection of pepsin. Reactive and Functional Polymers, 2022, 170, 105133.	4.1	6
14	Novel assay format for proteins based on magnetic molecularly imprinted polymer nanoparticlesâ€"detection of pepsin. Journal of the Chinese Advanced Materials Society, 2018, 6, 341-351.	0.7	5