Francesco Canfarotta

List of Publications by Year
in descending order

42	1,855	304743 22	276875 41
papers	citations	h-index	g-index

43	43	43	1830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nano-molecularly imprinted polymers (nanoMIPs) as a novel approach to targeted drug delivery in nanomedicine. RSC Advances, 2022, 12, 3957-3968.	3.6	21
2	Modulation of acetylcholinesterase activity using molecularly imprinted polymer nanoparticles. Journal of Materials Chemistry B, 2022, 10, 6732-6741.	5.8	7
3	Nanoplasmonic biosensor for rapid detection of multiple viral variants in human serum. Sensors and Actuators B: Chemical, 2022, 365, 131906.	7.8	32
4	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
5	Carboxyl-fentanyl detection using optical fibre grating-based sensors functionalised with molecularly imprinted nanoparticles. Biosensors and Bioelectronics, 2021, 177, 113002.	10.1	13
6	Approaches to the Rational Design of Molecularly Imprinted Polymers Developed for the Selective Extraction or Detection of Antibiotics in Environmental and Food Samples. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100021.	1.8	15
7	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
8	Mass spectrometric detection of KRAS protein mutations using molecular imprinting. Nanoscale, 2021, 13, 20401-20411.	5.6	8
9	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
10	Molecularly Imprinted Polymers for Cell Recognition. Trends in Biotechnology, 2020, 38, 368-387.	9.3	162
11	Sensor based on electrosynthesised imprinted polymeric film for rapid and trace detection of copper(II) ions. Sensors and Actuators B: Chemical, 2020, 307, 127648.	7.8	46
12	Probing Peptide Sequences on Their Ability to Generate Affinity Sites in Molecularly Imprinted Polymers. Langmuir, 2020, 36, 279-283.	3.5	10
13	Functionalized Core-Shell Yttrium Oxide Nanoparticles as Antioxidants Agents in Heat Stressed Rats. Biological Trace Element Research, 2020, 198, 189-197.	3.5	5
14	Synthetic Mechanism of Molecular Imprinting at the Solid Phase. Macromolecules, 2020, 53, 1435-1442.	4.8	34
15	Generation of High-Affinity Molecularly Imprinted Nanoparticles for Protein Recognition via a Solid-Phase Synthesis Protocol. Methods in Molecular Biology, 2020, 2073, 183-194.	0.9	7
16	Competitive pseudo-ELISA based on molecularly imprinted nanoparticles for microcystin-LR detection in water. Pure and Applied Chemistry, 2019, 91, 1593-1604.	1.9	7
17	Optimisation of the preservation conditions for molecularly imprinted polymer nanoparticles specific for trypsin. Nanoscale Advances, 2019, 1, 3709-3714.	4.6	21
18	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

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19	Synthesis and Application of Ionâ€Imprinted Nanoparticles in Electrochemical Sensors for Copper (II) Determination. ChemNanoMat, 2019, 5, 754-760.	2.8	20
20	Detecting and targeting senescent cells using molecularly imprinted nanoparticles. Nanoscale Horizons, 2019, 4, 757-768.	8.0	67
21	NanoMIP-based approach for the suppression of interference signals in electrochemical sensors. Analyst, The, 2019, 144, 7290-7295.	3.5	10
22	Development of a homogenous assay based on fluorescent imprinted nanoparticles for analysis of nitroaromatic compounds. Nano Research, 2019, 12, 3044-3050.	10.4	18
23	A novel thermal detection method based on molecularly imprinted nanoparticles as recognition elements. Nanoscale, 2018, 10, 2081-2089.	5.6	53
24	Recent advances in electrochemical sensors based on chiral and nano-sized imprinted polymers. Current Opinion in Electrochemistry, 2018, 7, 146-152.	4.8	41
25	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
26	Molecularly imprinted polymer nanoparticle-based assay (MINA): application for fumonisin B1 determination. Analyst, The, 2018, 143, 3481-3488.	3.5	35
27	Specific Drug Delivery to Cancer Cells with Double-Imprinted Nanoparticles against Epidermal Growth Factor Receptor. Nano Letters, 2018, 18, 4641-4646.	9.1	128
28	A novel capacitive sensor based on molecularly imprinted nanoparticles as recognition elements. Biosensors and Bioelectronics, 2018, 120, 108-114.	10.1	48
29	Molecularly Imprinted Nanoparticles Based on Long Period Grating Sensor for Detection of Fentanyl. , 2018, , .		0
30	Replacement of Antibodies in Pseudo-ELISAs: Molecularly Imprinted Nanoparticles for Vancomycin Detection. Methods in Molecular Biology, 2017, 1575, 389-398.	0.9	16
31	A pseudo-ELISA based on molecularly imprinted nanoparticles for detection of gentamicin in real samples. Analytical Methods, 2017, 9, 2853-2858.	2.7	30
32	In Vivo Recognition of Human Vascular Endothelial Growth Factor by Molecularly Imprinted Polymers. Nano Letters, 2017, 17, 2307-2312.	9.1	108
33	Biomimetic Silica Nanoparticles Prepared by a Combination of Solid-Phase Imprinting and Ostwald Ripening. Scientific Reports, 2017, 7, 11537.	3.3	20
34	Formation of target-specific binding sites in enzymes: solid-phase molecular imprinting of HRP. Nanoscale, 2016, 8, 11060-11066.	5.6	14
35	A comparison of the performance of molecularly imprinted polymer nanoparticles for small molecule targets and antibodies in the ELISA format. Scientific Reports, 2016, 6, 37638.	3.3	94
36	Biocompatibility and internalization of molecularly imprinted nanoparticles. Nano Research, 2016, 9, 3463-3477.	10.4	61

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37	Does size matter? Study of performance of pseudo-ELISAs based on molecularly imprinted polymer nanoparticles prepared for analytes of different sizes. Analyst, The, 2016, 141, 1405-1412.	3.5	42
38	Solid-phase synthesis of molecularly imprinted nanoparticles. Nature Protocols, 2016, 11, 443-455.	12.0	282
39	Engineered Magnetic Nanoparticles for Biomedical Applications. Advanced Healthcare Materials, 2014, 3, 160-175.	7.6	44
40	Polymeric nanoparticles for optical sensing. Biotechnology Advances, 2013, 31, 1585-1599.	11.7	118
41	Synthesis of Monodisperse Polymeric Nano- and Microparticles and Their Application in Bioanalysis. Bioanalytical Reviews, 2013, , 131-154.	0.2	3
42	Surface-modified multifunctional MIP nanoparticles. Nanoscale, 2013, 5, 3733.	5.6	79