James L Thomas

List of Publications by Year
in descending order

32	600	516710 16	610901 24
papers	citations	h-index	g-index

33	33	33	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doping of MXenes enhances the electrochemical response of peptide-imprinted conductive polymers for the recognition of C-Reactive protein. Biosensors and Bioelectronics, 2022, 200, 113930.	10.1	30
2	Sensing of C-Reactive Protein Using an Extended-Gate Field-Effect Transistor with a Tungsten Disulfide-Doped Peptide-Imprinted Conductive Polymer Coating. Biosensors, 2022, 12, 31.	4.7	3
3	Synthesis of ginsenoside Rb1-imprinted magnetic polymer nanoparticles for the extraction and cellular delivery of therapeutic ginsenosides. Journal of Ginseng Research, 2022, 46, 621-627.	5.7	3
4	Epitope imprinting of alpha-synuclein for sensing in Parkinson's brain organoid culture medium. Biosensors and Bioelectronics, 2021, 175, 112852.	10.1	26
5	Cellular reprogramming with multigene activation by the delivery of CRISPR/dCas9 ribonucleoproteins via magnetic peptide-imprinted chitosan nanoparticles. Materials Today Bio, 2021, 9, 100091.	5.5	16
6	Epitope recognition of magnetic peptide-imprinted chitosan composite nanoparticles for the extraction of CRISPR/dCas9a proteins from transfected cells. Nanotechnology, 2021, 32, 18LT02.	2.6	7
7	Synthesis of Multifunctional Nanoparticles for the Combination of Photodynamic Therapy and Immunotherapy. Pharmaceuticals, 2021, 14, 508.	3.8	7
8	Magnetic analogue-imprinted polymers for the extraction of ginsenosides from the Panax ginseng callus. Industrial Crops and Products, 2021, 163, 113291.	5.2	9
9	Transition metal dichalcogenides to optimize the performance of peptide-imprinted conductive polymers as electrochemical sensors. Mikrochimica Acta, 2021, 188, 203.	5.0	11
10	Porous Biphasic Calcium Phosphate Granules from Oyster Shell Promote the Differentiation of Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2021, 22, 9444.	4.1	8
11	Supercritical Carbon Dioxide Treatment of Porous Silicon Increases Biocompatibility with Cardiomyocytes. International Journal of Molecular Sciences, 2021, 22, 10709.	4.1	1
12	Embedded Upconversion Nanoparticles in Magnetic Molecularly Imprinted Polymers for Photodynamic Therapy of Hepatocellular Carcinoma. Biomedicines, 2021, 9, 1923.	3.2	6
13	Doping of transition metal dichalcogenides in molecularly imprinted conductive polymers for the ultrasensitive determination of 17Î²-estradiol in eel serum. Biosensors and Bioelectronics, 2020, 150, 111901.	10.1	28
14	Peptide-Imprinted Poly(hydroxymethyl 3,4-ethylenedioxythiophene) Nanotubes for Detection of Î± Synuclein in Human Brain Organoids. ACS Applied Nano Materials, 2020, 3, 8027-8036.	5.0	26
15	Self-assembly Synthesis of Molecularly Imprinted Polymers for the Ultrasensitive Electrochemical Determination of Testosterone. Biosensors, 2020, 10, 16.	4.7	17
16	A multichannel system integrating molecularly imprinted conductive polymers for ultrasensitive voltammetric determination of four steroid hormones in urine. Mikrochimica Acta, 2019, 186, 695.	5.0	20
17	Immunotherapy of Hepatocellular Carcinoma with Magnetic PD-1 Peptide-Imprinted Polymer Nanocomposite and Natural Killer Cells. Biomolecules, 2019, 9, 651.	4.0	17
18	Epitope recognition of peptide-imprinted polymers for Regenerating protein 1 (REG1). Separation and Purification Technology, 2018, 192, 213-219.	7.9	30

#	Article	IF	Citations
19	Polymers imprinted with three REG1B peptides for electrochemical determination of Regenerating Protein 1B, a urinary biomarker for pancreatic ductal adenocarcinoma. Mikrochimica Acta, 2017, 184, 1773-1780.	5.0	22
20	Electrosynthesis of Nanostructured, Imprinted Poly(hydroxymethyl 3,4â€ethylenedioxythiophene) for the Ultrasensitive Electrochemical Detection of Urinary Progesterone. ChemistrySelect, 2017, 2, 7935-7939.	1.5	20
21	The potential use of glucose oxidase-imprinted polymer-coated electrodes for biofuel cells. New Journal of Chemistry, 2017, 41, 14646-14651.	2.8	1
22	Electrochemical sensing of nuclear matrix protein 22 in urine with molecularly imprinted poly(ethylene-co-vinyl alcohol) coated zinc oxide nanorod arrays for clinical studies of bladder cancer diagnosis. Biosensors and Bioelectronics, 2016, 79, 789-795.	10.1	56
23	Activation of tumor suppressor p53 gene expression by magnetic thymine-imprinted chitosan nanoparticles. Chemical Communications, 2016, 52, 2137-2140.	4.1	20
24	Recognition of Rhodobacter sphaeroides by microcontact-imprinted poly(ethylene-co-vinyl alcohol). Colloids and Surfaces B: Biointerfaces, 2015, 135, 394-399.	5.0	11
25	Fabrication of Bacteria-imprinted Polymer Coated Electrodes for Microbial Fuel Cells. ACS Sustainable Chemistry and Engineering, 2015, 3, 1190-1196.	6.7	25
26	Recognition of algae by microcontact-imprinted polymers modulates hydrogenase expression. RSC Advances, 2014, 4, 61557-61563.	3.6	6
27	The complete replacement of antibodies by protein-imprinted poly(ethylene-co-vinyl alcohol) in sandwich fluoroimmunoassays. Mikrochimica Acta, 2013, 180, 1393-1399.	5.0	14
28	Hydrolysis of Magnetic Amylase-Imprinted Poly(ethylene-co-vinyl alcohol) Composite Nanoparticles. ACS Applied Materials & Interfaces, 2012, 4, 916-921.	8.0	37
29	Extraction of resveratrol from polygonum cuspidatum with magnetic orcinol-imprinted poly(ethylene-co-vinyl alcohol) composite particles and their in vitro suppression of human osteogenic sarcoma (HOS) cell line. Journal of Materials Chemistry, 2012, 22, 24644.	6.7	21
30	Synthesis of Zirconia with Nanoporous Structure by a Supercritical Carbon Dioxide Microemulsion Route. International Journal of Applied Ceramic Technology, 2010, 7, 874-880.	2.1	5
31	Synthesis of Magnetic Molecularly Imprinted Poly(ethylene-co-vinyl alcohol) Nanoparticles and Their Uses in the Extraction and Sensing of Target Molecules in Urine. ACS Applied Materials & Interfaces, 2010, 2, 1729-1736.	8.0	83
32	A Novel Supercritical CO2Synthesis of Amorphous Hydrous Zirconia Nanoparticles, and Their Calcination to Zirconia. Journal of the American Ceramic Society, 2006, 89, 3624-3630.	3.8	14