

James L Thomas

List of Publications by Year in descending order

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papers

600
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33
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Magnetic Molecularly Imprinted Poly(ethylene-co-vinyl alcohol) Nanoparticles and Their Uses in the Extraction and Sensing of Target Molecules in Urine. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1729-1736.	8.0	83
2	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. <i>Biosensors and Bioelectronics</i> , 2016, 79, 789-795.	10.1	56
3	Hydrolysis of Magnetic Amylase-Imprinted Poly(ethylene-co-vinyl alcohol) Composite Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 916-921.	8.0	37
4	Epitope recognition of peptide-imprinted polymers for Regenerating protein 1 (REG1). <i>Separation and Purification Technology</i> , 2018, 192, 213-219.	7.9	30
5	Doping of MXenes enhances the electrochemical response of peptide-imprinted conductive polymers for the recognition of C-Reactive protein. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113930.	10.1	30
6	Doping of transition metal dichalcogenides in molecularly imprinted conductive polymers for the ultrasensitive determination of 17 β -estradiol in eel serum. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111901.	10.1	28
7	Peptide-Imprinted Poly(hydroxymethyl 3,4-ethylenedioxythiophene) Nanotubes for Detection of $\hat{\pm}$ Synuclein in Human Brain Organoids. <i>ACS Applied Nano Materials</i> , 2020, 3, 8027-8036.	5.0	26
8	Epitope imprinting of alpha-synuclein for sensing in Parkinson's brain organoid culture medium. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112852.	10.1	26
9	Fabrication of Bacteria-imprinted Polymer Coated Electrodes for Microbial Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1190-1196.	6.7	25
10	Polymers imprinted with three REG1B peptides for electrochemical determination of Regenerating Protein 1B, a urinary biomarker for pancreatic ductal adenocarcinoma. <i>Mikrochimica Acta</i> , 2017, 184, 1773-1780.	5.0	22
11	Extraction of resveratrol from <i>polygnum cuspidatum</i> with magnetic orcinol-imprinted poly(ethylene-co-vinyl alcohol) composite particles and their in vitro suppression of human osteogenic sarcoma (HOS) cell line. <i>Journal of Materials Chemistry</i> , 2012, 22, 24644.	6.7	21
12	Activation of tumor suppressor p53 gene expression by magnetic thymine-imprinted chitosan nanoparticles. <i>Chemical Communications</i> , 2016, 52, 2137-2140.	4.1	20
13	Electrosynthesis of Nanostructured, Imprinted Poly(hydroxymethyl 3,4-ethylenedioxythiophene) for the Ultrasensitive Electrochemical Detection of Urinary Progesterone. <i>ChemistrySelect</i> , 2017, 2, 7935-7939.	1.5	20
14	A multichannel system integrating molecularly imprinted conductive polymers for ultrasensitive voltammetric determination of four steroid hormones in urine. <i>Mikrochimica Acta</i> , 2019, 186, 695.	5.0	20
15	Immunotherapy of Hepatocellular Carcinoma with Magnetic PD-1 Peptide-Imprinted Polymer Nanocomposite and Natural Killer Cells. <i>Biomolecules</i> , 2019, 9, 651.	4.0	17
16	Self-assembly Synthesis of Molecularly Imprinted Polymers for the Ultrasensitive Electrochemical Determination of Testosterone. <i>Biosensors</i> , 2020, 10, 16.	4.7	17
17	Cellular reprogramming with multigene activation by the delivery of CRISPR/dCas9 ribonucleoproteins via magnetic peptide-imprinted chitosan nanoparticles. <i>Materials Today Bio</i> , 2021, 9, 100091.	5.5	16
18	A Novel Supercritical CO ₂ Synthesis of Amorphous Hydrous Zirconia Nanoparticles, and Their Calcination to Zirconia. <i>Journal of the American Ceramic Society</i> , 2006, 89, 3624-3630.	3.8	14

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19	The complete replacement of antibodies by protein-imprinted poly(ethylene-co-vinyl alcohol) in sandwich fluoroimmunoassays. <i>Mikrochimica Acta</i> , 2013, 180, 1393-1399.	5.0	14
20	Recognition of <i>Rhodobacter sphaeroides</i> by microcontact-imprinted poly(ethylene-co-vinyl alcohol). <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 394-399.	5.0	11
21	Transition metal dichalcogenides to optimize the performance of peptide-imprinted conductive polymers as electrochemical sensors. <i>Mikrochimica Acta</i> , 2021, 188, 203.	5.0	11
22	Magnetic analogue-imprinted polymers for the extraction of ginsenosides from the <i>Panax ginseng</i> callus. <i>Industrial Crops and Products</i> , 2021, 163, 113291.	5.2	9
23	Porous Biphasic Calcium Phosphate Granules from Oyster Shell Promote the Differentiation of Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9444.	4.1	8
24	Epitope recognition of magnetic peptide-imprinted chitosan composite nanoparticles for the extraction of CRISPR/dCas9a proteins from transfected cells. <i>Nanotechnology</i> , 2021, 32, 18LT02.	2.6	7
25	Synthesis of Multifunctional Nanoparticles for the Combination of Photodynamic Therapy and Immunotherapy. <i>Pharmaceuticals</i> , 2021, 14, 508.	3.8	7
26	Recognition of algae by microcontact-imprinted polymers modulates hydrogenase expression. <i>RSC Advances</i> , 2014, 4, 61557-61563.	3.6	6
27	Embedded Upconversion Nanoparticles in Magnetic Molecularly Imprinted Polymers for Photodynamic Therapy of Hepatocellular Carcinoma. <i>Biomedicines</i> , 2021, 9, 1923.	3.2	6
28	Synthesis of Zirconia with Nanoporous Structure by a Supercritical Carbon Dioxide Microemulsion Route. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 874-880.	2.1	5
29	Sensing of C-Reactive Protein Using an Extended-Gate Field-Effect Transistor with a Tungsten Disulfide-Doped Peptide-Imprinted Conductive Polymer Coating. <i>Biosensors</i> , 2022, 12, 31.	4.7	3
30	Synthesis of ginsenoside Rb1-imprinted magnetic polymer nanoparticles for the extraction and cellular delivery of therapeutic ginsenosides. <i>Journal of Ginseng Research</i> , 2022, 46, 621-627.	5.7	3
31	The potential use of glucose oxidase-imprinted polymer-coated electrodes for biofuel cells. <i>New Journal of Chemistry</i> , 2017, 41, 14646-14651.	2.8	1
32	Supercritical Carbon Dioxide Treatment of Porous Silicon Increases Biocompatibility with Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10709.	4.1	1