

Hsi-Ya Huang

List of Publications by Year in descending order

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77
papers

3,166
citations

126907

33
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161849

54
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all docs

78
docs citations

78
times ranked

3560
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 984-992.	13.7	310
2	Novel trypsin@FITC@MOF bioreactor efficiently catalyzes protein digestion. <i>Journal of Materials Chemistry B</i> , 2013, 1, 928.	5.8	157
3	Trypsin@Immobilized Metal@Organic Framework as a Biocatalyst In Proteomics Analysis. <i>ChemPlusChem</i> , 2012, 77, 982-986.	2.8	143
4	Determining eight colorants in milk beverages by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2002, 959, 317-325.	3.7	136
5	Metal organic framework@organic polymer monolith stationary phases for capillary electrochromatography and nano-liquid chromatography. <i>Analytica Chimica Acta</i> , 2013, 779, 96-103.	5.4	120
6	Lipase@Supported Metal@Organic Framework Bioreactor Catalyzes Warfarin Synthesis. <i>Chemistry - A European Journal</i> , 2015, 21, 115-119.	3.3	108
7	Aluminum based metal-organic framework-polymer monolith in solid-phase microextraction of penicillins in river water and milk samples. <i>Journal of Chromatography A</i> , 2016, 1428, 236-245.	3.7	88
8	Approaches to drug delivery: Confinement of aspirin in MIL-100(Fe) and aspirin in the de novo synthesis of metal@organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 254-260.	4.4	82
9	Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products. <i>Journal of Chromatography A</i> , 2003, 993, 153-164.	3.7	80
10	Analysis of food colorants by capillary electrophoresis with large-volume sample stacking. <i>Journal of Chromatography A</i> , 2003, 995, 29-36.	3.7	79
11	Metal@organic frameworks: new matrices for surface-assisted laser desorption@ionization mass spectrometry. <i>Chemical Communications</i> , 2013, 49, 4929.	4.1	74
12	A Novel Hybrid Metal@Organic Framework@Polymeric Monolith for Solid@Phase Microextraction. <i>Chemistry - A European Journal</i> , 2014, 20, 3317-3321.	3.3	67
13	Analyses of tobacco alkaloids by cation-selective exhaustive injection sweeping microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2007, 1164, 313-319.	3.7	62
14	Fast Multipoint Immobilized MOF Bioreactor. <i>Chemistry - A European Journal</i> , 2014, 20, 8923-8928.	3.3	58
15	Determination of food colorants by microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2005, 26, 867-877.	2.4	57
16	Immobilization of Protein on Nanoporous Metal-Organic Framework Materials. <i>Comments on Inorganic Chemistry</i> , 2015, 35, 331-349.	5.2	52
17	Enhanced corrosion prevention effect of polysulfone-clay nanocomposite materials prepared by solution dispersion. <i>Journal of Applied Polymer Science</i> , 2004, 92, 631-637.	2.6	51
18	Thermal and optical properties of PMMA-titania hybrid materials prepared by sol-gel approach with HEMA as coupling agent. <i>Journal of Applied Polymer Science</i> , 2004, 94, 400-405.	2.6	51

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19	Nanoporous Carbons Derived from Metal-Organic Frameworks as Novel Matrices for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Small</i> , 2016, 12, 2057-2066.	10.0	51
20	Analyses of sulfonamide antibiotics in meat samples by on-line concentration capillary electrochromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 7640-7647.	3.7	50
21	Determination of eight penicillin antibiotics in pharmaceuticals, milk and porcine tissues by nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 7186-7194.	3.7	45
22	Metal-Organic Framework-Polymer Composite as a Highly Efficient Sorbent for Sulfonamide Adsorption and Desorption: Effect of Coordinatively Unsaturated Metal Site and Topology. <i>Langmuir</i> , 2016, 32, 11465-11473.	3.5	45
23	A Simple Approach to Enhance the Water Stability of a Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2017, 23, 42-46.	3.3	45
24	A rapid synthetic method for organic polymer-based monoliths in a room temperature ionic liquid medium via microwave-assisted vinylization and polymerization. <i>Green Chemistry</i> , 2011, 13, 296-299.	9.0	44
25	Solid-phase microextraction of phthalate esters in water sample using different activated carbon-polymer monoliths as adsorbents. <i>Analytica Chimica Acta</i> , 2016, 927, 55-63.	5.4	44
26	Preparation and properties of (BATB-ODPA) polyimide-clay nanocomposite materials. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1072-1079.	2.6	43
27	Capillary electrochromatography-mass spectrometry determination of melamine and related triazine by-products using poly(divinyl benzene-alkene-vinylbenzyl trimethylammonium chloride) monolithic stationary phases. <i>Analytica Chimica Acta</i> , 2012, 719, 96-103.	5.4	43
28	Enzyme Immobilized on Nanoporous Carbon Derived from Metal-Organic Framework: A New Support for Biodiesel Synthesis. <i>ChemSusChem</i> , 2017, 10, 1364-1369.	6.8	41
29	A novel type of matrix for surface-assisted laser desorption-ionization mass spectrometric detection of biomolecules using metal-organic frameworks. <i>Analytica Chimica Acta</i> , 2015, 888, 103-109.	5.4	40
30	Anion-selective exhaustive injection-sweeping microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2006, 27, 3202-3209.	2.4	38
31	Determination of melamine and related triazine by-products ammeline, ammelide, and cyanuric acid by micellar electrokinetic chromatography. <i>Analytica Chimica Acta</i> , 2010, 673, 206-211.	5.4	37
32	Synthesis and characterization of trimetallic cobalt, zinc and nickel complexes containing amine-bis(benzotriazole phenolate) ligands: efficient catalysts for coupling of carbon dioxide with epoxides. <i>Dalton Transactions</i> , 2017, 46, 15399-15406.	3.3	35
33	Ionic liquids as porogens in the microwave-assisted synthesis of methacrylate monoliths for chromatographic application. <i>Analytica Chimica Acta</i> , 2012, 746, 123-133.	5.4	34
34	Organo-soluble polyimide (ODA-BSAA)/montmorillonite nanocomposite materials prepared by solution dispersion technique. <i>Journal of Applied Polymer Science</i> , 2005, 95, 1082-1090.	2.6	32
35	Air-stable copper derivatives as efficient catalysts for controlled lactide polymerization: Facile synthesis and characterization of well-defined benzotriazole phenoxide copper complexes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3840-3849.	2.3	32
36	Comparison of microemulsion electrokinetic chromatography and micellar electrokinetic chromatography methods for the analysis of phenolic compounds. <i>Journal of Separation Science</i> , 2005, 28, 973-981.	2.5	31

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37	Analyses of preservatives by capillary electrochromatography using methacrylate ester-based monolithic columns. <i>Electrophoresis</i> , 2004, 25, 3237-3246.	2.4	27
38	Nitrogen-doped porous carbon material derived from metal-organic gel for small biomolecular sensing. <i>Chemical Communications</i> , 2017, 53, 5725-5728.	4.1	26
39	A poly(alkyl methacrylate-divinylbenzene-vinylbenzyl trimethylammonium chloride) monolithic column for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2015, 1395, 32-40.	3.7	25
40	Determination of saikosaponins by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 1997, 759, 193-201.	3.7	24
41	Sample stacking for the analysis of penicillins by microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2008, 29, 3905-3915.	2.4	24
42	Analyses of non-steroidal anti-inflammatory drugs by on-line concentration capillary electrochromatography using poly(stearyl methacrylate-divinylbenzene) monolithic columns. <i>Journal of Chromatography A</i> , 2011, 1218, 350-358.	3.7	24
43	Enhancement of corrosion protection effect of poly(styrene-co-acrylonitrile) by the incorporation of nanolayers of montmorillonite clay into copolymer matrix. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2269-2277.	2.6	23
44	CEC with monolithic poly(styrene-divinylbenzene-vinylsulfonic acid) as the stationary phase. <i>Electrophoresis</i> , 2006, 27, 4674-4681.	2.4	23
45	Development of capillary electrochromatography with poly(styrene-divinylbenzene-vinylbenzenesulfonic acid) monolith as the stationary phase. <i>Journal of Chromatography A</i> , 2008, 1190, 263-270.	3.7	23
46	Analyses of alkaloids in different products by NACE-MS. <i>Electrophoresis</i> , 2007, 28, 4220-4226.	2.4	22
47	Separation of parabens in capillary electrochromatography using poly(styrene-divinylbenzene-methacrylic acid) monolithic column. <i>Journal of Separation Science</i> , 2006, 29, 2038-2048.	2.5	21
48	Analyses of sulfonamide antibiotics by a successive anion- and cation-selective injection coupled to microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2010, 31, 2260-2266.	2.4	21
49	In vitro angiotensin I converting enzyme inhibition by a peptide isolated from <i>Chiropsalmus quadrigatus</i> Haeckel (box jellyfish) venom hydrolysate. <i>Toxicon</i> , 2016, 119, 77-83.	1.6	20
50	Sample stacking for determination of aromatic acid impurities by microemulsion electrokinetic chromatography. <i>Analytica Chimica Acta</i> , 2009, 632, 148-155.	5.4	19
51	Poly(divinylbenzene-alkyl methacrylate) monolithic stationary phases in capillary electrochromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 5839-5847.	3.7	19
52	Comparison of microemulsion electrokinetic chromatography and micellar electrokinetic chromatography as methods for the analysis of ten benzophenones. <i>Electrophoresis</i> , 2005, 26, 895-902.	2.4	18
53	Sample stacking for the analysis of catechins by microemulsion EKC. <i>Electrophoresis</i> , 2007, 28, 1735-1743.	2.4	18
54	Determination of imidazole derivatives by micellar electrokinetic chromatography combined with solid-phase microextraction using activated carbon-polymer monolith as adsorbent. <i>Journal of Chromatography A</i> , 2016, 1428, 336-345.	3.7	18

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55	Analyses of Non-steroidal Anti-inflammatory Drugs in Environmental Water Samples with Microemulsion Electrokinetic Chromatography. <i>Analytical Sciences</i> , 2010, 26, 703-707.	1.6	17
56	Analyses of benzophenones by capillary electrochromatography using methacrylate ester-based monolithic columns. <i>Journal of Chromatography A</i> , 2005, 1089, 250-257.	3.7	16
57	Analyses of phenolic compounds by microemulsion electrokinetic chromatography. <i>Electrophoresis</i> , 2005, 26, 3134-3140.	2.4	16
58	On-line concentration sample stacking coupled with water-in-oil microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 7663-7669.	3.7	16
59	Penicillin analyses by capillary electrochromatography-mass spectrometry with different charged poly(stearyl methacrylate-co-divinylbenzene) monoliths as stationary phases. <i>Talanta</i> , 2012, 101, 71-77.	5.5	16
60	Analyses of polycyclic aromatic hydrocarbons in seafood by capillary electrochromatography-atmospheric pressure chemical ionization/mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1313, 132-138.	3.7	16
61	Di-nuclear zinc complexes containing tridentate imino-benzotriazole phenolate derivatives as efficient catalysts for ring-opening polymerization of cyclic esters and copolymerization of phthalic anhydride with cyclohexene oxide. <i>Journal of Polymer Science Part A</i> , 2016, 54, 714-725.	2.3	16
62	A green and facile approach to obtain 100 nm zeolitic imidazolate framework-90 (ZIF-90) particles via leveraging viscosity effects. <i>RSC Advances</i> , 2014, 4, 52883-52886.	3.6	15
63	Determining organic impurities in mother liquors from oxidative terephthalic acid synthesis by microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 2560-2566.	3.7	14
64	Determination of amino acids by microemulsion electrokinetic chromatography laser induced fluorescence method. <i>Electrophoresis</i> , 2014, 35, 1751-1755.	2.4	14
65	The Cooperativity of Fe ₃ O ₄ and Metal-Organic Framework as Multifunctional Nanocomposites for Laser Desorption Ionization Process. <i>Chemistry - A European Journal</i> , 2018, 24, 9598-9605.	3.3	14
66	Analyses of sulfonamide antibiotics by CEC using poly(divinylbenzene-co-octadecene-co-vinylbenzyl trimethyl) Tj ETQq0 0 0 rgBT /Over	2.4	13
67	Capillary electrophoresis-laser-induced fluorescence detection of rat brain catecholamines with microwave-assisted derivatization. <i>Electrophoresis</i> , 2012, 33, 3008-3011.	2.4	13
68	Fast multipoint immobilization of lipase through chiral-proline on a MOF as a chiral bioreactor. <i>Dalton Transactions</i> , 2021, 50, 1866-1873.	3.3	12
69	Poly(triallyl isocyanurate-co-ethylene dimethacrylate-co-alkyl methacrylate) stationary phases in the chromatographic separation of hydrophilic solutes. <i>Journal of Chromatography A</i> , 2013, 1272, 65-72.	3.7	11
70	Application of mesoporous carbon-polymer monolith for the extraction of phenolic acid in food samples. <i>Journal of Chromatography A</i> , 2018, 1539, 12-18.	3.7	10
71	Analyses of synthetic antioxidants by capillary electrochromatography using poly(styrene-co-divinylbenzene-co-lauryl methacrylate) monolith. <i>Talanta</i> , 2010, 82, 1426-1433.	5.5	9
72	Purification of deteriorated liquid crystals by employing porous metal-organic-framework/polymer composites. <i>Optical Materials Express</i> , 2015, 5, 639.	3.0	7

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73	A simple approach to achieve a metastable metal oxide derived from carbonized metal-organic gels. <i>Chemical Communications</i> , 2019, 55, 4475-4478.	4.1	6
74	Monitoring the Effect of Different Metal Centers in Metal-Organic Frameworks and Their Adsorption of Aromatic Molecules using Experimental and Simulation Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 14044-14047.	3.3	5
75	β -secretase 1 inhibitory activity and AMP-activated protein kinase activation of <i>Callyspongia samarensis</i> extracts. <i>Natural Product Research</i> , 2020, 34, 525-529.	1.8	3
76	Fragmented α -Amylase into Microporous Metal-Organic Frameworks as Bioreactors. <i>Materials</i> , 2021, 14, 870.	2.9	3
77	Laser Chemistry: Nanoporous Carbons Derived from Metal-Organic Frameworks as Novel Matrices for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry (<i>Small</i> 15/2016). <i>Small</i> , 2016, 12, 2056-2056.	10.0	1