

Wassana Yantasee

List of Publications by Year in descending order

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59
papers

4,536
citations

136740

32
h-index

123241

61
g-index

64
all docs

64
docs citations

64
times ranked

5946
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Heavy Metals from Aqueous Systems with Thiol Functionalized Superparamagnetic Nanoparticles. <i>Environmental Science & Technology</i> , 2007, 41, 5114-5119.	4.6	626
2	Selective capture of cesium and thallium from natural waters and simulated wastes with copper ferrocyanide functionalized mesoporous silica. <i>Journal of Hazardous Materials</i> , 2010, 182, 225-231.	6.5	338
3	Oxidative stress in cancer and fibrosis: Opportunity for therapeutic intervention with antioxidant compounds, enzymes, and nanoparticles. <i>Redox Biology</i> , 2017, 11, 240-253.	3.9	263
4	Voltammetric detection of lead(ii) and mercury(ii) using a carbon paste electrode modified with thiol self-assembled monolayer on mesoporous silica (SAMMS). <i>Analyst, The</i> , 2003, 128, 467-472.	1.7	170
5	Phosphate Removal by Anion Binding on Functionalized Nanoporous Sorbents. <i>Environmental Science & Technology</i> , 2010, 44, 3073-3078.	4.6	165
6	Cryogenic Laser Induced Fluorescence Characterization of U(VI) in Hanford Vadose Zone Pore Waters. <i>Environmental Science & Technology</i> , 2004, 38, 5591-5597.	4.6	164
7	Cationic Polymer Modified Mesoporous Silica Nanoparticles for Targeted siRNA Delivery to HER2 ⁺ Breast Cancer. <i>Advanced Functional Materials</i> , 2015, 25, 2646-2659.	7.8	155
8	Simultaneous detection of cadmium, copper, and lead using a carbon paste electrode modified with carbamoylphosphonic acid self-assembled monolayer on mesoporous silica (SAMMS). <i>Analytica Chimica Acta</i> , 2004, 502, 207-212.	2.6	148
9	Electrochemical Sensors for the Detection of Lead and Other Toxic Heavy Metals: The Next Generation of Personal Exposure Biomonitoring. <i>Environmental Health Perspectives</i> , 2007, 115, 1683-1690.	2.8	139
10	Fluorescence spectroscopy of U(VI)-silicates and U(VI)-contaminated Hanford sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1391-1403.	1.6	136
11	Selective Removal of Copper(II) from Aqueous Solutions Using Fine-Grained Activated Carbon Functionalized with Amine. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 2759-2764.	1.8	121
12	High-Performance, Superparamagnetic, Nanoparticle-Based Heavy Metal Sorbents for Removal of Contaminants from Natural Waters. <i>ChemSusChem</i> , 2010, 3, 749-757.	3.6	117
13	Selective removal of lanthanides from natural waters, acidic streams and dialysate. <i>Journal of Hazardous Materials</i> , 2009, 168, 1233-1238.	6.5	116
14	Functionalized Nanoporous Silica for the Removal of Heavy Metals from Biological Systems: Adsorption and Application. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2749-2758.	4.0	115
15	Design and synthesis of self-assembled monolayers on mesoporous supports (SAMMS): The importance of ligand posture in functional nanomaterials. <i>Journal of Materials Chemistry</i> , 2007, 17, 2863.	6.7	108
16	Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. <i>Physics in Medicine and Biology</i> , 2020, 65, 21RM02.	1.6	101
17	Direct detection of Pb in urine and Cd, Pb, Cu, and Ag in natural waters using electrochemical sensors immobilized with DMSA functionalized magnetic nanoparticles. <i>Analyst, The</i> , 2008, 133, 348.	1.7	100
18	Selective Removal of Copper(II) from Natural Waters by Nanoporous Sorbents Functionalized with Chelating Diamines. <i>Environmental Science & Technology</i> , 2010, 44, 6390-6395.	4.6	97

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19	Detection of Cd, Pb, and Cu in non-pretreated natural waters and urine with thiol functionalized mesoporous silica and Nafion composite electrodes. <i>Analytica Chimica Acta</i> , 2008, 620, 55-63.	2.6	83
20	Incorporation of Hydroxypyridinone Ligands into Self-Assembled Monolayers on Mesoporous Supports for Selective Actinide Sequestration. <i>Environmental Science & Technology</i> , 2005, 39, 1332-1337.	4.6	79
21	Removal of Heavy Metals from Aqueous Solution Using Novel Nanoengineered Sorbents: Self-Assembled Carbamoylphosphonic Acids on Mesoporous Silica. <i>Separation Science and Technology</i> , 2003, 38, 3809-3825.	1.3	75
22	Nanoengineered electrochemical sensor based on mesoporous silica thin-film functionalized with thiol-terminated monolayer. <i>Analyst, The</i> , 2003, 128, 899.	1.7	70
23	Screen-printed electrodes modified with functionalized mesoporous silica for voltammetric analysis of toxic metal ions. <i>Electrochemistry Communications</i> , 2005, 7, 1170-1176.	2.3	63
24	Dermal delivery of HSP47 siRNA with NOX4-modulating mesoporous silica-based nanoparticles for treating fibrosis. <i>Biomaterials</i> , 2015, 66, 41-52.	5.7	57
25	Prognostic and therapeutic role of tumor-infiltrating lymphocyte subtypes in breast cancer. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 519-536.	2.7	56
26	PLK1 and EGFR targeted nanoparticle as a radiation sensitizer for non-small cell lung cancer. <i>Cancer Letters</i> , 2019, 467, 9-18.	3.2	50
27	Novel Oral Detoxification of Mercury, Cadmium, And Lead with Thiol-Modified Nanoporous Silica. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5483-5493.	4.0	48
28	Lyophilization and stability of antibody-conjugated mesoporous silica nanoparticle with cationic polymer and PEG for siRNA delivery. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4015-4027.	3.3	48
29	siRNA therapeutics for breast cancer: recent efforts in targeting metastasis, drug resistance, and immune evasion. <i>Translational Research</i> , 2019, 214, 105-120.	2.2	48
30	Novel sorbents for removal of gadolinium-based contrast agents in sorbent dialysis and hemoperfusion: preventive approaches to nephrogenic systemic fibrosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 1-8.	1.7	47
31	Carbon Paste Electrode Modified with Carbamoylphosphonic Acid Functionalized Mesoporous Silica: A New Mercury-Free Sensor for Uranium Detection. <i>Electroanalysis</i> , 2004, 16, 870-873.	1.5	46
32	Targeted Treatment of Metastatic Breast Cancer by PLK1 siRNA Delivered by an Antioxidant Nanoparticle Platform. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 763-772.	1.9	44
33	In Situ Tumor Vaccination with Nanoparticle Co-Delivering CpG and STAT3 siRNA to Effectively Induce Whole-Body Antitumor Immune Response. <i>Advanced Materials</i> , 2021, 33, e2100628.	11.1	34
34	Automated portable analyzer for lead(II) based on sequential flow injection and nanostructured electrochemical sensors. <i>Talanta</i> , 2005, 68, 256-261.	2.9	33
35	New functional materials for heavy metal sorption: "Supramolecular" attachment of thiols to mesoporous silica substrates. <i>Chemical Communications</i> , 2008, , 5583.	2.2	32
36	Nanostructured Electrochemical Sensors Based on Functionalized Nanoporous Silica for Voltammetric Analysis of Lead, Mercury, and Copper. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 1537-1540.	0.9	31

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37	The dissolution of synthetic Na-boltwoodite in sodium carbonate solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4836-4849.	1.6	30
38	Hydroxypyridinone Functionalized Self-Assembled Monolayers on Nanoporous Silica for Sequestering Lanthanide Cations. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 527-529.	0.9	29
39	IN VITRO AND IN VIVO EVALUATION OF A NOVEL FERROCYANIDE FUNCTIONALIZED NANOPOROUS SILICA DECORPORATION AGENT FOR CESIUM IN RATS. <i>Health Physics</i> , 2010, 99, 420-429.	0.3	29
40	Therapeutic siRNA for drug-resistant HER2-positive breast cancer. <i>Oncotarget</i> , 2016, 7, 14727-14741.	0.8	29
41	Templated synthesis of mesoporous titanium phosphates for the sequestration of radionuclides. <i>Inorganic Chemistry Communication</i> , 2006, 9, 293-295.	1.8	27
42	Stimuli-responsive mesoporous silica nanoparticles: A custom-tailored next generation approach in cargo delivery. <i>Materials Science and Engineering C</i> , 2021, 124, 112084.	3.8	27
43	Synthesis of nanoporous iminodiacetic acid sorbents for binding transition metals. <i>Inorganic Chemistry Communication</i> , 2009, 12, 312-315.	1.8	26
44	FUNCTIONAL SORBENTS FOR SELECTIVE CAPTURE OF PLUTONIUM, AMERICIUM, URANIUM, AND THORIUM IN BLOOD. <i>Health Physics</i> , 2010, 99, 413-419.	0.3	24
45	Targeted Nanoparticle for Co-delivery of HER2 siRNA and a Taxane to Mirror the Standard Treatment of HER2-positive Breast Cancer: Efficacy in Breast Tumor and Brain Metastasis. <i>Small</i> , 2022, 18, e2107550.	5.2	23
46	Microanalyzer for biomonitoring lead (Pb) in blood and urine. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 335-341.	1.9	22
47	Voltammetric analysis of europium at screen-printed electrodes modified with salicylamide self-assembled on mesoporous silica. <i>Analyst</i> , 2006, 131, 1342.	1.7	21
48	Current development of targeted oligonucleotide-based cancer therapies: Perspective on HER2-positive breast cancer treatment. <i>Cancer Treatment Reviews</i> , 2016, 45, 19-29.	3.4	21
49	Selective capture of radionuclides (U, Pu, Th, Am and Co) using functional nanoporous sorbents. <i>Journal of Hazardous Materials</i> , 2019, 366, 677-683.	6.5	19
50	Optimization of a portable microanalytical system to reduce electrode fouling from proteins associated with biomonitoring of lead (Pb) in saliva. <i>Talanta</i> , 2005, 67, 617-624.	2.9	18
51	Lack of acquired resistance in HER2-positive breast cancer cells after long-term HER2 siRNA nanoparticle treatment. <i>PLoS ONE</i> , 2018, 13, e0198141.	1.1	17
52	Augmenting the therapeutic window of radiotherapy: A perspective on molecularly targeted therapies and nanomaterials. <i>Radiotherapy and Oncology</i> , 2020, 150, 225-235.	0.3	12
53	Improved deposition and deprotection of silane tethered 3,4 hydroxypyridinone (HOPO) ligands on functionalized nanoporous silica. <i>Inorganic Chemistry Communication</i> , 2012, 18, 92-96.	1.8	8
54	Transition metal ion capture using functional mesoporous carbon made with 1,10-phenanthroline. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1099-1103.	1.8	6

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55	Electrochemical Sensor Based on Carbon Paste Electrode Modified with Nanostructured Cryptomelane-Type Manganese Oxides for Detection of Heavy Metals. <i>Sensor Letters</i> , 2005, 3, 16-21.	0.4	6
56	Nanoporous Sorbent Material as an Oral Phosphate Binder and for Aqueous Phosphate, Chromate, and Arsenate Removal. <i>Journal of Nanomedicine & Nanotechnology</i> , 2014, 05, .	1.1	5
57	Lanthanide-Loaded Nanoparticles as Potential Fluorescent and Mass Probes for High-Content Protein Analysis. <i>Bioengineering</i> , 2019, 6, 23.	1.6	5
58	Removal of a gadolinium based contrast agent by a novel sorbent hemoperfusion in a chronic kidney disease (CKD) rodent model. <i>Scientific Reports</i> , 2019, 9, 709.	1.6	4
59	Tumor Therapy: In Situ Tumor Vaccination with Nanoparticle Coâ€Delivering CpG and STAT3 siRNA to Effectively Induce Wholeâ€Body Antitumor Immune Response (<i>Adv. Mater.</i> 31/2021). <i>Advanced Materials</i> , 2021, 33, 2170244.	11.1	0