

Nagy Lk Torad

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

6,438
citations

168829

31
h-index

214428

50
g-index

53
all docs

53
docs citations

53
times ranked

10301
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly adhesive and disposable inorganic barrier films: made from 2D silicate nanosheets and water. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1956-1964.	5.2	1
2	The development of a rapid monitoring method for radiocesium in seawater in the Fukushima region. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1547-1560.	1.2	3
3	Template- and etching-free fabrication of two-dimensional hollow bimetallic metal-organic framework hexagonal nanoplates for ammonia sensing. <i>Chemical Engineering Journal</i> , 2022, 450, 138065.	6.6	22
4	Nanoarchitected porous carbons derived from ZIFs toward highly sensitive and selective QCM sensor for hazardous aromatic vapors. <i>Journal of Hazardous Materials</i> , 2021, 405, 124248.	6.5	36
5	Study on catalytic efficiency of platinum and silver nanoparticles confined in nanosized channels of a 3-D mesostructured silica. <i>Journal of Porous Materials</i> , 2021, 28, 65-79.	1.3	6
6	Green synthesis of carbon quantum dots from purslane leaves for the detection of formaldehyde using quartz crystal microbalance. <i>Carbon</i> , 2021, 179, 159-171.	5.4	43
7	Phenyl-Modified Carbon Nitride Quantum Nanoflakes for Ultra-Highly Selective Sensing of Formic Acid: A Combined Experimental by QCM and Density Functional Theory Study. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48595-48610.	4.0	22
8	Gas sensing properties of polypyrrole/poly(N-vinylpyrrolidone) nanorods/nanotubes-coated quartz-crystal microbalance sensor. <i>Synthetic Metals</i> , 2021, 282, 116935.	2.1	12
9	Rational Design of Nanoporous MoS ₂ /VS ₂ Heteroarchitecture for Ultrahigh Performance Ammonia Sensors. <i>Small</i> , 2020, 16, e1901718.	5.2	67
10	A General Approach to Shaped MOF-Containing Aerogels toward Practical Water Treatment Application. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000060.	2.7	43
11	MOF-derived hybrid nanoarchitected carbons for gas discrimination of volatile aromatic hydrocarbons. <i>Carbon</i> , 2020, 168, 55-64.	5.4	20
12	Assembling well-arranged covalent organic frameworks on MOF-derived graphitic carbon for remarkable formaldehyde sensing. <i>Nanoscale</i> , 2020, 12, 15611-15619.	2.8	78
13	Advanced Nanoporous Material-Based QCM Devices: A New Horizon of Interfacial Mass Sensing Technology. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900849.	1.9	69
14	Decontamination of very dilute Cs in seawater by a coagulation-precipitation method using a nanoparticle slurry of copper hexacyanoferrate. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1328-1338.	1.2	12
15	A wide range sensor of a 3D mesoporous silica coated QCM electrodes for the detection of volatile organic compounds. <i>Journal of Porous Materials</i> , 2019, 26, 1731-1741.	1.3	12
16	A Facile Synthesis of Hematite Nanorods from Rice Starch and Their Application to Pb(II) Ions Removal. <i>ChemistrySelect</i> , 2019, 4, 3730-3736.	0.7	10
17	Fabrication of Nanoporous Carbon Materials with Hard- and Soft-Templating Approaches: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3673-3685.	0.9	64
18	Cyclodextrin Functionalized Mesoporous Silica for Environmental Remediation of Methylene Blue Dye. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 770-779.	0.9	4

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19	Synthesis of nanoporous calcium carbonate spheres using double hydrophilic block copolymer poly(acrylic acid-b-N-isopropylacrylamide). <i>Materials Letters</i> , 2018, 230, 143-147.	1.3	11
20	Hydrogels Containing Prussian Blue Nanoparticles Toward Removal of Radioactive Cesium Ions. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4200-4204.	0.9	11
21	Amine-functionalized mesoporous silica KIT-6 as a controlled release drug delivery carrier. <i>Microporous and Mesoporous Materials</i> , 2016, 229, 166-177.	2.2	62
22	pH-Responsive sulphonated mesoporous silica: a comparative drug release study. <i>RSC Advances</i> , 2016, 6, 57929-57940.	1.7	19
23	Thermal Conversion of Core-Shell Metal-Organic Frameworks: A New Method for Selectively Functionalized Nanoporous Hybrid Carbon. <i>Journal of the American Chemical Society</i> , 2015, 137, 1572-1580.	6.6	1,307
24	Dual Soft-Template System Based on Colloidal Chemistry for the Synthesis of Hollow Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 6375-6380.	1.7	55
25	Study on adsorption of copper ion from aqueous solution by MOF-derived nanoporous carbon. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 173-177.	2.2	80
26	Fabrication of Asymmetric Supercapacitors Based on Coordination Polymer Derived Nanoporous Materials. <i>Electrochimica Acta</i> , 2015, 183, 94-99.	2.6	24
27	Towards Vaporized Molecular Discrimination: A Quartz Crystal Microbalance (QCM) Sensor System Using Cobalt-Containing Mesoporous Graphitic Carbon. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3238-3244.	1.7	33
28	Highly Crystallized Nanometer-Sized Zeolite A with Large Cs Adsorption Capability for the Decontamination of Water. <i>Chemistry - an Asian Journal</i> , 2014, 9, 759-763.	1.7	34
29	Fabrication of symmetric supercapacitors based on MOF-derived nanoporous carbons. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19848-19854.	5.2	419
30	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. <i>Chemistry Letters</i> , 2014, 43, 717-719.	0.7	165
31	Synthesis of Nanoporous Carbon-Cobalt-Oxide Hybrid Electrocatalysts by Thermal Conversion of Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2014, 20, 4217-4221.	1.7	253
32	Trace-level gravimetric detection promoted by surface interactions of mesoporous materials with chemical vapors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8196.	5.2	17
33	Nanoarchitected Graphene-Based Supercapacitors for Next-Generation Energy Storage Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 13838-13852.	1.7	274
34	Polymeric Micelle Assembly for the Direct Synthesis of Platinum-Decorated Mesoporous TiO ₂ toward Highly Selective Sensing of Acetaldehyde. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 854-860.	4.0	46
35	Tailored design of functional nanoporous carbon materials toward fuel cell applications. <i>Nano Today</i> , 2014, 9, 305-323.	6.2	254
36	Electric Double-Layer Capacitors Based on Highly Graphitized Nanoporous Carbons Derived from ZIF-67. <i>Chemistry - A European Journal</i> , 2014, 20, 7895-7900.	1.7	423

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37	Direct Synthesis of MOF-Derived Nanoporous Carbon with Magnetic Co Nanoparticles toward Efficient Water Treatment. <i>Small</i> , 2014, 10, 2096-2107.	5.2	588
38	Facile synthesis of nanoporous carbons with controlled particle sizes by direct carbonization of monodispersed ZIF-8 crystals. <i>Chemical Communications</i> , 2013, 49, 2521.	2.2	474
39	Preparation of Mesoporous Titania Thin Films with Well-Crystallized Frameworks by Using Thermally Stable Triblock Copolymers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2330-2335.	1.0	36
40	Synthesis of Highly Strained Mesostructured SrTiO ₃ /BaTiO ₃ Composite Films with Robust Ferroelectricity. <i>Chemistry - A European Journal</i> , 2013, 19, 4446-4450.	1.7	27
41	Replication of Mesoporous Silica Films from Block Copolymer Films through a Chemical Vapor Approach. <i>Chemistry - A European Journal</i> , 2013, 19, 10478-10481.	1.7	4
42	Large Cs adsorption capability of nanostructured Prussian Blue particles with high accessible surface areas. <i>Journal of Materials Chemistry</i> , 2012, 22, 18261.	6.7	174
43	Preparation of Various Prussian Blue Analogue Hollow Nanocubes with Single Crystalline Shells. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4795-4799.	1.0	82
44	Direct Carbonization of Al-Based Porous Coordination Polymer for Synthesis of Nanoporous Carbon. <i>Journal of the American Chemical Society</i> , 2012, 134, 2864-2867.	6.6	588
45	Novel block copolymer templates for tuning mesopore connectivity in cage-type mesoporous silica films. <i>Journal of Materials Chemistry</i> , 2012, 22, 20008.	6.7	26
46	Size- and shape-controlled synthesis of Prussian Blue nanoparticles by a polyvinylpyrrolidone-assisted crystallization process. <i>CrystEngComm</i> , 2012, 14, 3387.	1.3	143
47	Quartz crystal microbalance sensor for detection of aliphatic amines vapours. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 481-487.	4.0	50
48	A sensor of alcohol vapours based on thin polyaniline base film and quartz crystal microbalance. <i>Journal of Hazardous Materials</i> , 2009, 168, 85-88.	6.5	109
49	Alcohol vapours sensor based on thin polyaniline salt film and quartz crystal microbalance. <i>Talanta</i> , 2009, 78, 1280-1285.	2.9	63
50	Quartz crystal microbalance sensor coated with polyaniline emeraldine base for determination of chlorinated aliphatic hydrocarbons. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 887-894.	4.0	56
51	Gas Sensors Based on Conducting Polymers. , 0, , .		7
52	Template- and Etching-Free Fabrication of Hollow Two-Dimensional Bimetallic Metal-Organic Framework Hexagonal Nanoplates for Ammonia Sensing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0