

Facile magnetization of metal-organic framework MIL-101 for the  
extraction of polycyclic aromatic hydrocarbons in environmental samples

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Combining UV Lithography and an Imprinting Technique for Patterning Metal-Organic Frameworks. <i>Advanced Materials</i> , 2013, 25, 4701-4705.	11.1	98
4	Polydimethylsiloxane/metal-organic frameworks coated stir bar sorptive extraction coupled to high performance liquid chromatography-ultraviolet detector for the determination of estrogens in environmental water samples. <i>Journal of Chromatography A</i> , 2013, 1310, 21-30.	1.8	105
5	Application of Metal-Organic Frameworks in Sample Pretreatment. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 1297-1300.	0.9	38
6	Applications of magnetic metal-organic framework composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13033.	5.2	275
7	Hollow fiber-protected metal-organic framework materials as micro-solid-phase extraction adsorbents for the determination of polychlorinated biphenyls in water samples by gas chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 4875.	1.3	31
8	Positioning an individual metal-organic framework particle using a magnetic field. <i>Journal of Materials Chemistry C</i> , 2013, 1, 42-45.	2.7	51
9	Metal-organic framework polymethyl methacrylate composites for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2013, 1316, 97-103.	1.8	61
10	Chemical Bonding Approach for Fabrication of Hybrid Magnetic Metal-Organic Framework-5: High Efficient Adsorbents for Magnetic Enrichment of Trace Analytes. <i>Analytical Chemistry</i> , 2013, 85, 6885-6893.	3.2	182
11	Evaluation of metal-organic framework 5 as a new <sc>SPE</sc> material for the determination of polycyclic aromatic hydrocarbons in environmental waters. <i>Journal of Separation Science</i> , 2013, 36, 1283-1290.	1.3	45
12	Amphiphilic block copolymer modified magnetic nanoparticles for microwave-assisted extraction of polycyclic aromatic hydrocarbons in environmental water. <i>Journal of Chromatography A</i> , 2013, 1316, 1-7.	1.8	24
13	Covalent bonding of zeolitic imidazolate framework-90 to functionalized silica fibers for solid-phase microextraction. <i>Chemical Communications</i> , 2013, 49, 2142.	2.2	157
14	Application of nanomaterials in sample preparation. <i>Journal of Chromatography A</i> , 2013, 1300, 2-16.	1.8	186
15	Graphene-based solid-phase extraction disk for fast separation and preconcentration of trace polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Separation Science</i> , 2013, 36, 1834-1842.	1.3	89
16	Zeolite imidazolate framework-8 as sorbent for on-line solid-phase extraction coupled with high-performance liquid chromatography for the determination of tetracyclines in water and milk samples. <i>Journal of Chromatography A</i> , 2013, 1304, 28-33.	1.8	177
18	Metal-Organic Framework Derived Magnetic Nanoporous Carbon: Novel Adsorbent for Magnetic Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2014, 86, 12199-12205.	3.2	180
19	Manganese(III) tetrapyrridylporphyrin-chloromethylated MIL-101 hybrid material: A highly active catalyst for oxidation of hydrocarbons. <i>Applied Catalysis A: General</i> , 2014, 477, 34-41.	2.2	47
20	Frits coated with nano-structured conducting copolymer for solid-phase extraction of polycyclic aromatic hydrocarbons in water samples and liquid chromatographic analysis. <i>Talanta</i> , 2014, 123, 224-232.	2.9	5
21	Metal-organic framework composites. <i>Chemical Society Reviews</i> , 2014, 43, 5468-5512.	18.7	1,901

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22	A metal-organic framework sustained by a nanosized Ag <sub>12</sub> cuboctahedral node for solid-phase extraction of ultra traces of lead(II) ions. <i>Mikrochimica Acta</i> , 2014, 181, 999-1007.	2.5	78
23	Composites of metal-organic frameworks: Preparation and application in adsorption. <i>Materials Today</i> , 2014, 17, 136-146.	8.3	349
24	Fabrication of metal-organic frameworks and graphite oxide hybrid composites for solid-phase extraction and preconcentration of luteolin. <i>Talanta</i> , 2014, 122, 91-96.	2.9	48
25	Fabrication of Gold Nanoparticle-Embedded Metal-Organic Framework for Highly Sensitive Surface-Enhanced Raman Scattering Detection. <i>Analytical Chemistry</i> , 2014, 86, 3955-3963.	3.2	218
26	Solid phase extraction of magnetic carbon doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Chromatography A</i> , 2014, 1325, 8-15.	1.8	52
27	Liquid-phase extraction coupled with metal-organic frameworks-based dispersive solid phase extraction of herbicides in peanuts. <i>Talanta</i> , 2014, 128, 345-353.	2.9	81
28	Facile Preparation of Core-Shell Magnetic Metal-Organic Framework Nanospheres for the Selective Enrichment of Endogenous Peptides. <i>Chemistry - A European Journal</i> , 2014, 20, 7389-7395.	1.7	67
29	Adsorptive denitrogenation of model fuel with CuCl-loaded metal-organic frameworks (MOFs). <i>Chemical Engineering Journal</i> , 2014, 251, 35-42.	6.6	101
30	Using Functional Nano- and Microparticles for the Preparation of Metal-Organic Framework Composites with Novel Properties. <i>Accounts of Chemical Research</i> , 2014, 47, 396-405.	7.6	264
31	A cubic luminescent graphene oxide functionalized Zn-based metal-organic framework composite for fast and highly selective detection of Cu <sup>2+</sup> ions in aqueous solution. <i>Analyst</i> , 2014, 139, 764-770.	1.7	26
32	Hydrocarbon Separations in Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2014, 26, 323-338.	3.2	517
33	Application of functionalized magnetic nanoparticles in sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 377-399.	1.9	229
34	A simple solvothermal process for fabrication of a metal-organic framework with an iron oxide enclosure for the determination of organophosphorus pesticides in biological samples. <i>Journal of Chromatography A</i> , 2014, 1371, 74-81.	1.8	101
35	Preparation of mixed lanthanides-immobilized magnetic nanoparticles for selective enrichment and identification of phosphopeptides by MS. <i>Electrophoresis</i> , 2014, 35, 3470-3478.	1.3	15
36	Dispersive micro-solid-phase extraction of hormones in liquid cosmetics with metal-organic framework. <i>Analytical Methods</i> , 2014, 6, 9435-9445.	1.3	38
37	General incorporation of diverse components inside metal-organic framework thin films at room temperature. <i>Nature Communications</i> , 2014, 5, 5532.	5.8	155
38	Synthesis of iron(III)-based metal-organic framework/graphene oxide composites with increased photocatalytic performance for dye degradation. <i>RSC Advances</i> , 2014, 4, 40435-40438.	1.7	146
39	Ultrathin-shell boron nitride hollow spheres as sorbent for dispersive solid-phase extraction of polychlorinated biphenyls from environmental water samples. <i>Journal of Chromatography A</i> , 2014, 1369, 181-185.	1.8	18

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40	Facile in situ hydrothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> @MIL-101 composites for removing textile dyes. RSC Advances, 2014, 4, 47921-47924.	1.7	45
41	Rapid determination of polycyclic aromatic hydrocarbons in environmental water based on magnetite nanoparticles/polypyrrole magnetic solid-phase extraction. Analytical Methods, 2014, 6, 7046-7053.	1.3	24
42	Two novel zeolitic imidazolate frameworks (ZIFs) as sorbents for solid-phase extraction (SPE) of polycyclic aromatic hydrocarbons (PAHs) in environmental water samples. Analyst, The, 2014, 139, 5818-5826.	1.7	74
43	Magnetic solid phase extraction of brominated flame retardants and pentachlorophenol from environmental waters with carbon doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Applied Surface Science, 2014, 321, 126-135.	3.1	47
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48	Chromium terephthalate metal-organic framework MIL-101: synthesis, functionalization, and applications for adsorption and catalysis. RSC Advances, 2014, 4, 52500-52525.	1.7	217
49	Polydimethylsiloxane/metal-organic frameworks coated fiber for solid-phase microextraction of polycyclic aromatic hydrocarbons in river and lake water samples. Talanta, 2014, 129, 600-605.	2.9	91
50	Synthesis and characterization of manganese(III) porphyrin supported on imidazole modified chloromethylated MIL-101(Cr): A heterogeneous and reusable catalyst for oxidation of hydrocarbons with sodium periodate. Journal of Solid State Chemistry, 2014, 218, 56-63.	1.4	37
51	Metal-organic framework UiO-66 coated stainless steel fiber for solid-phase microextraction of phenols in water samples. Journal of Chromatography A, 2014, 1357, 165-171.	1.8	140
55	Enhanced Photocatalytic Activity of MIL-125 by Post-Synthetic Modification with Cr <sup>III</sup> and Ag Nanoparticles. Chemistry - A European Journal, 2015, 21, 11072-11081.	1.7	94
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62	Fabrication of hybrid magnetic HKUST-1 and its highly efficient adsorption performance for Congo red dye. <i>RSC Advances</i> , 2015, 5, 19199-19202.	1.7	46
63	A metal (Co)-organic framework-based chemiluminescence system for selective detection of L-cysteine. <i>Analyst</i> , 2015, 140, 2656-2663.	1.7	79
64	Synthesis of a metal-organic framework confined in periodic mesoporous silica with enhanced hydrostability as a novel fiber coating for solid-phase microextraction. <i>Journal of Separation Science</i> , 2015, 38, 1187-1193.	1.3	48
65	Nanometer-sized materials for solid-phase extraction of trace elements. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2685-2710.	1.9	114
66	Preparation of magnetic metal organic frameworks adsorbent modified with mercapto groups for the extraction and analysis of lead in food samples by flame atomic absorption spectrometry. <i>Food Chemistry</i> , 2015, 181, 191-197.	4.2	80
67	Determination of phthalate esters in environmental water by magnetic Zeolitic Imidazolate Framework-8 solid-phase extraction coupled with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1409, 46-52.	1.8	108
68	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015, 87, 7545-7549.	3.2	75
69	Magnetic solid phase extraction and gas chromatography-mass spectrometry analysis of sixteen polycyclic aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 2015, 1406, 40-47.	1.8	29
70	Ultramicro chitosan-assisted in-syringe dispersive micro-solid-phase extraction for flavonols from healthcare tea by ultra-high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1409, 11-18.	1.8	26
71	Preparation of naphthyl functionalized magnetic nanoparticles for extraction of polycyclic aromatic hydrocarbons from river waters. <i>RSC Advances</i> , 2015, 5, 56189-56197.	1.7	20
72	Preparation of dithizone grafted poly(allyl chloride) core-shell magnetic composite microspheres for solid-phase extraction of ultra-trace levels of Pb <sup>2+</sup> , Cu <sup>2+</sup> and Cr <sup>3+</sup> ions. <i>RSC Advances</i> , 2015, 5, 58873-58879.	1.7	3
73	Micro-solid-phase extraction of organochlorine pesticides using porous metal-organic framework MIL-101 as sorbent. <i>Journal of Chromatography A</i> , 2015, 1401, 9-16.	1.8	143
74	Performance of metal-organic framework MIL-101 after surfactant modification in the extraction of endocrine disrupting chemicals from environmental water samples. <i>Talanta</i> , 2015, 143, 366-373.	2.9	33
75	Metal-organic framework UiO-66 modified magnetite@silica core-shell magnetic microspheres for magnetic solid-phase extraction of domoic acid from shellfish samples. <i>Journal of Chromatography A</i> , 2015, 1400, 10-18.	1.8	109
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78	Fabrication of aluminum terephthalate metal-organic framework incorporated polymer monolith for the microextraction of non-steroidal anti-inflammatory drugs in water and urine samples. <i>Journal of Chromatography A</i> , 2015, 1393, 1-7.	1.8	74

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80	Etched Stainless Steel Powder as Novel Sorbent Material for Solid-Phase Extraction Coupled with High-Performance Liquid Chromatography for Determination of Polycyclic Aromatic Hydrocarbons in Water. <i>Applied Mechanics and Materials</i> , 2015, 713-715, 2699-2702.	0.2	0
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82	Adsorption on Mesoporous Metal-Organic Frameworks in Solution: Aromatic and Heterocyclic Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 16726-16742.	1.7	53
83	Nano-Al <sub>2</sub> O <sub>3</sub> -based micro solid-phase filter membrane extraction for simultaneous determination of tartrazine and sunset yellow in food. <i>RSC Advances</i> , 2015, 5, 86445-86452.	1.7	9
84	Magnetization of a Cu(II)-1,3,5-benzenetricarboxylate metal-organic framework for efficient solid-phase extraction of Congo Red. <i>Mikrochimica Acta</i> , 2015, 182, 2313-2320.	2.5	38
85	Lead(II) uptake by aluminium based magnetic framework composites (MFCs) in water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19822-19831.	5.2	141
86	Magnetic metal-organic frameworks coated stir bar sorptive extraction coupled with GC-MS for determination of polychlorinated biphenyls in fish samples. <i>Talanta</i> , 2015, 144, 1139-1145.	2.9	74
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88	Magnetic nanoparticles coated with dithizone-modified chitosan for use in solid-phase extraction of copper(II). <i>Analytical Methods</i> , 2015, 7, 2050-2054.	1.3	15
89	In Situ Solvothermal Growth of Metal-Organic Framework-5 Supported on Porous Copper Foam for Noninvasive Sampling of Plant Volatile Sulfides. <i>Analytical Chemistry</i> , 2015, 87, 406-412.	3.2	76
90	Fabrication of graphene/Fe <sub>3</sub> O <sub>4</sub> @polythiophene nanocomposite and its application in the magnetic solid-phase extraction of polycyclic aromatic hydrocarbons from environmental water samples. <i>Analytica Chimica Acta</i> , 2015, 868, 1-9.	2.6	128
91	Metal organic framework MIL-101 coated fiber for headspace solid phase microextraction of volatile aromatic compounds. <i>Analytical Methods</i> , 2015, 7, 918-923.	1.3	28
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93	Preparation and characterization of metal-organic framework MIL-101(Cr)-coated solid-phase microextraction fiber. <i>Analytica Chimica Acta</i> , 2015, 853, 303-310.	2.6	142
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95	Pyrene: The Guest of Honor. , 2016, , 421-461.		10
96	Rapid collection and re-dispersion of MOF particles by a simple and versatile method using a thermo-responsive polymer. <i>RSC Advances</i> , 2016, 6, 63398-63402.	1.7	3

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98	Planar graphene oxide-based magnetic ionic liquid nanomaterial for extraction of chlorophenols from environmental water samples coupled with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1459, 38-46.	1.8	47
99	Speciation analysis of inorganic arsenic in food and water samples by electrothermal atomic absorption spectrometry after magnetic solid phase extraction by a novel MOF-199/modified magnetite nanoparticle composite. <i>RSC Advances</i> , 2016, 6, 113727-113736.	1.7	27
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103	Polydimethylsiloxane/metal-organic frameworks coated stir bar sorptive extraction coupled to gas chromatography-flame photometric detection for the determination of organophosphorus pesticides in environmental water samples. <i>Talanta</i> , 2016, 156-157, 126-133.	2.9	75
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105	Magnetic metal-organic framework-titanium dioxide nanocomposite as adsorbent in the magnetic solid-phase extraction of fungicides from environmental water samples. <i>Journal of Chromatography A</i> , 2016, 1466, 21-28.	1.8	95
106	Facile synthesis of a Fe <sub>3</sub> O <sub>4</sub> /MIL-101(Fe) composite with enhanced catalytic performance. <i>RSC Advances</i> , 2016, 6, 86443-86446.	1.7	28
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108	Simultaneous Enrichment of Polycyclic Aromatic Hydrocarbons and Cu <sup>2+</sup> in Water Using Tetraazacalix[2]arene[2]triazine as a Solid-Phase Extraction Selector. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6233-6239.	2.4	15
109	Superhydrophobic magnetic nanoparticle-free fatty acid regenerated from waste cooking oil for the enrichment of carcinogenic polycyclic aromatic hydrocarbons in sewage sludges and landfill leachates. <i>RSC Advances</i> , 2016, 6, 87719-87729.	1.7	16
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111	Magnetized graphene layers synthesized on the carbon nanofibers as novel adsorbent for the extraction of polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Chromatography A</i> , 2016, 1465, 1-8.	1.8	60
112	Preparation of magnetic metal organic framework composites for the extraction of neonicotinoid insecticides from environmental water samples. <i>RSC Advances</i> , 2016, 6, 113144-113151.	1.7	44
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114	A metal-organic framework-derived nanoporous carbon/iron composite for enrichment of endocrine disrupting compounds from fruit juices and milk samples. <i>Analytical Methods</i> , 2016, 8, 3528-3535.	1.3	28

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116	Sulfonated metal organic framework loaded on iron oxide nanoparticles as a new sorbent for the magnetic solid phase extraction of cadmium from environmental water samples. <i>Analytical Methods</i> , 2016, 8, 6337-6346.	1.3	46
117	Metal-organic framework MIL-101 as sorbent based on double pumps controlled on-line solid-phase extraction coupled with high-performance liquid chromatography for the determination of flavonoids in environmental water samples. <i>Electrophoresis</i> , 2016, 37, 2478-2486.	1.3	7
118	Experimental and molecular docking investigation on metal-organic framework MIL-101(Cr) as a sorbent for vortex assisted dispersive micro-solid-phase extraction of trace 5-nitroimidazole residues in environmental water samples prior to UPLC-MS/MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8515-8528.	1.9	45
119	Magnetic solid-phase extraction of triclosan using core-shell Fe <sub>3</sub> O <sub>4</sub> @MIL-100 magnetic nanoparticles, and its determination by HPLC with UV detection. <i>Mikrochimica Acta</i> , 2016, 183, 2467-2472.	2.5	32
120	Magnetic metal-organic frameworks for selective enrichment and exclusion of proteins for MALDI-TOF MS analysis. <i>Analyst</i> , The, 2016, 141, 4568-4572.	1.7	17
121	The metal-organic framework MIL-101(Cr) as efficient adsorbent in a vortex-assisted dispersive solid-phase extraction of imatinib mesylate in rat plasma coupled with ultra-performance liquid chromatography/mass spectrometry: Application to a pharmacokinetic study. <i>Journal of Chromatography A</i> , 2016, 1449, 30-38.	1.8	39
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123	Magnetic metal-organic framework MIL-100(Fe) microspheres for the magnetic solid-phase extraction of trace polycyclic aromatic hydrocarbons from water samples. <i>Journal of Separation Science</i> , 2016, 39, 2356-2364.	1.3	48
124	Hydrothermal synthesis of functionalized magnetic MIL-101 for magnetic enrichment of estrogens in environmental water samples. <i>RSC Advances</i> , 2016, 6, 15362-15369.	1.7	41
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127	Magnetic adsorbent constructed from the loading of amino functionalized Fe <sub>3</sub> O <sub>4</sub> on coordination complex modified polyoxometalates nanoparticle and its tetracycline adsorption removal property study. <i>Journal of Solid State Chemistry</i> , 2016, 238, 182-188.	1.4	35
128	Competitive removal of hazardous dyes from aqueous solution by MIL-68(Al): Derivative spectrophotometric method and response surface methodology approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 160, 8-18.	2.0	125
129	A magnetic-based dispersive micro-solid-phase extraction method using the metal-organic framework HKUST-1 and ultra-high-performance liquid chromatography with fluorescence detection for determining polycyclic aromatic hydrocarbons in waters and fruit tea infusions. <i>Journal of Chromatography A</i> , 2016, 1436, 42-50.	1.8	100
130	Magnetic hydrophilic-lipophilic balance sorbent for efficient extraction of chemical warfare agents from water samples. <i>Journal of Chromatography A</i> , 2016, 1434, 39-49.	1.8	16
131	In situ hydrothermal growth of a dual-ligand metal-organic framework film on a stainless steel fiber for solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples. <i>RSC Advances</i> , 2016, 6, 14042-14048.	1.7	59
132	Facile fabrication of Fe <sub>3</sub> O <sub>4</sub> /MIL-101(Cr) for effective removal of acid red 1 and orange G from aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 295, 403-413.	6.6	191

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134	Modern trends in solid phase extraction: New sorbent media. TrAC - Trends in Analytical Chemistry, 2016, 77, 23-43.	5.8	474
135	Upconversion fluorescence metal-organic frameworks thermo-sensitive imprinted polymer for enrichment and sensing protein. Biosensors and Bioelectronics, 2016, 79, 341-346.	5.3	108
136	Facile synthesis of magnetic hybrid Fe <sub>3</sub> O <sub>4</sub> /MIL-101 via heterogeneous coprecipitation assembly for efficient adsorption of anionic dyes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 373-379.	2.7	56
137	Application of metal and metal oxide nanoparticles@MOFs. Coordination Chemistry Reviews, 2016, 307, 237-254.	9.5	479
138	Magnetic responsive metal-organic frameworks nanosphere with core-shell structure for highly efficient removal of methylene blue. Chemical Engineering Journal, 2016, 283, 1127-1136.	6.6	175
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