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2271	Sorption of strontium on uranyl peroxide: implications for a high-level nuclear waste repository. <b>2010</b> , 181, 881-5		28
2270	Equilibrium two-parameter isotherms of acid dyes sorption by activated carbons: Study of residual errors. <i>Chemical Engineering Journal</i> , <b>2010</b> , 160, 408-416	14.7	211
2269	Insight into adsorption equilibrium, kinetics and thermodynamics of Malachite Green onto clayey soil of Indian origin. <i>Chemical Engineering Journal</i> , <b>2010</b> , 165, 874-882	14.7	238
2268	Competitive biosorption of cadmium(II) and zinc(II) ions from binary systems by Sargassum filipendula. <b>2010</b> , 101, 5104-11		78

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2267	Pseudo-Second-Order Kinetic Model for Biosorption of Methylene Blue onto Tamarind Fruit Shell: Comparison of Linear and Nonlinear Methods. <b>2010</b> , 14, 196-207	33
2266	An overview of dye removal via activated carbon adsorption process. <b>2010</b> , 19, 255-274	97
2265	Oil palm biomass-based adsorbents for the removal of water pollutantsa review. <b>2011</b> , 29, 177-222	73
2264	Pseudo-second-order kinetic models for the sorption of malachite green onto Tamarindus indica seeds: Comparison of linear and non-linear methods. <b>2011</b> , 30, 229-236	11
2263	Optimum Sorption Isotherm by Linear and Nonlinear Methods for Safranin onto Alkali-Treated Rice Husk. <b>2011</b> , 15, 77-89	62
2262	Mechanistic, Kinetic, and Thermodynamic Evaluation of Adsorption of Hazardous Malachite Green onto Conch Shell Powder. <b>2011</b> , 46, 1966-1976	25
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2260	Removal of an azo-metal complex textile dye from colored aqueous solutions using an agro-residue. <b>2011</b> , 99, 296-302	43
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2256	Microwave assisted preparation of activated carbon from pomelo skin for the removal of anionic and cationic dyes. <i>Chemical Engineering Journal</i> , <b>2011</b> , 173, 385-390	126
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1923	Adsorption of basic red 9 onto activated carbon derived from immature cotton seeds: isotherm studies and error analysis. <b>2014</b> , 52, 7743-7765		39
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1764	Fruit peel waste as a novel low-cost bio adsorbent. <b>2015</b> , 31,	76

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1763	, 60, 2684-2693	68
1762	Bionanocomposites for Magnetic Removal of Water Pollutants. <b>2015</b> , 279-310	5
1761	Microwave assisted decoration of titanium oxide nanotubes with CuFe2O4 quantum dots for solid phase extraction of uranium. <b>2015</b> , 5, 62414-62423	19
1760	Water treatment technologies for the remediation of naphthenic acids in oil sands process-affected water. <i>Chemical Engineering Journal</i> , <b>2015</b> , 279, 696-714	50
1759	Distinct adsorption enhancement of bi-component metals (cobalt and nickel) by Fireweed-derived carbon compared to activated carbon: Incorporation of surface group distributions for increased efficiency. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 713-723	28
1758	Carrageenan-grafted magnetite nanoparticles as recyclable sorbents for dye removal. <b>2015</b> , 17, 1	18
1757	Adsorption of silica nanoparticles onto calcite: Equilibrium, kinetic, thermodynamic and DLVO analysis. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 334-344	87
1756	A comparative study on the efficiency of ozonation and coagulation-flocculation as pretreatment to activated carbon adsorption of biologically stabilized landfill leachate. <b>2015</b> , 43, 335-42	60
1755	Use of red mud (bauxite residue) for the retention of aqueous inorganic mercury(II). 2015, 22, 17550-68	5
1754	Sorption of lead by Salisbury biochar produced from British broadleaf hardwood. <b>2015</b> , 193, 553-6	82
1753	Carbon dioxide adsorption on micro-mesoporous composite materials of ZSM-12/MCM-48 type: The role of the contents of zeolite and functionalized amine. <b>2015</b> , 70, 663-672	16
1752	Zeolite membranes - a review and comparison with MOFs. <b>2015</b> , 44, 7128-54	475
1751	Adsorption behaviour of gluten hydrolysate on mild steel in 1 M HCl and its role as a green corrosion inhibitor. <b>2015</b> , 5, 61170-61178	26
1750	Activity of Horseradish Peroxidase Adsorbed onto Titanate Nanowires. <b>2015</b> , 33, 127-138	1
1749	Ecyclodextrin stabilized magnetic Fe3S4 nanoparticles for efficient removal of Pb(II). <b>2015</b> , 3, 15755-15763	72
1748	Removal of Boron from Aqueous Solution by 2,3-Dihydroxybenzaldehyde Modified Silica Gel. <b>2015</b> , 226, 1	2
1747	Utilisation of sewage sludge derived adsorbents for the removal of recalcitrant compounds from wastewater: Mechanistic aspects, isotherms, kinetics and thermodynamics. <b>2015</b> , 194, 214-24	26
1746	Determination of adsorption isotherm parameters with correlated errors by measurement error models. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 921-930	22

1745	Separation of ethanolaWater liquid mixtures by adsorption on BPL activated carbon with air regeneration. <b>2015</b> , 149, 370-380		15
1744	Synthesis and Adsorption Application of In Situ Photo-Cross-Linked Electrospun Poly(Vinyl Alcohol)-Based Nanofiber Membranes. <b>2015</b> , 226, 1		10
1743	A comparative examination of the adsorption mechanism of an anionic textile dye (RBY 3GL) onto the powdered activated carbon (PAC) using various the isotherm models and kinetics equations with linear and non-linear methods. <b>2015</b> , 354, 279-284		23
1742	Effect of optimized structure and electronic properties of some benzimidazole derivatives on corrosion inhibition of mild steel in hydrochloric acid medium: Electrochemical and theoretical studies. <b>2015</b> , 127, 921-929		16
1741	Acinetobacter haemolyticus MG606 produces a novel, phosphate binding exobiopolymer. <b>2015</b> , 132, 72-9		6
1740	Morphology and kinetic modeling of molecularly imprinted organosilanol polymer matrix for specific uptake of creatinine. <b>2015</b> , 407, 6747-58		8
1739	Batch adsorptive removal of benzoic acid from aqueous solution onto modified natural vermiculite: Kinetic, isotherm and thermodynamic studies. <b>2015</b> , 31, 199-215		38
1738	Improved adsorption of streptomycin onto Thalia dealbata activated carbon modified by sodium thiosulfate. <b>2015</b> , 53, 1699-1709		2
1737	Diethylenetriamine-functionalized chitosan magnetic nano-based particles for the sorption of rare earth metal ions [Nd(III), Dy(III) and Yb(III)]. <b>2015</b> , 22, 2589-2605		64
1736	Development of a chitin/graphene oxide hybrid composite for the removal of pollutant dyes: Adsorption and desorption study. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 41-48	14.7	165
1736 1735		14.7	165
	Adsorption and desorption study. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer	14.7	
1735	Adsorption and desorption study. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer magnetic composite for highly selective adsorption. <b>2015</b> , 481, 439-450  Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree	14.7	22
1735 1734	Adsorption and desorption study. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer magnetic composite for highly selective adsorption. <b>2015</b> , 481, 439-450  Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree of soil weathering. <b>2015</b> , 138, 364-9  The contribution of different vinyl sulphone-reactive dyes to an effluentPeer review under	14.7	22
1735 1734 1733	Adsorption and desorption study. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer magnetic composite for highly selective adsorption. <b>2015</b> , 481, 439-450  Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree of soil weathering. <b>2015</b> , 138, 364-9  The contribution of different vinyl sulphone-reactive dyes to an effluentPeer review under responsibility of Taibah University. View all notes. <b>2015</b> , 9, 594-600	14.7	22 25 9
1735 1734 1733 1732	Adsorption and desorption study. Chemical Engineering Journal, 2015, 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer magnetic composite for highly selective adsorption. 2015, 481, 439-450  Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree of soil weathering. 2015, 138, 364-9  The contribution of different vinyl sulphone-reactive dyes to an effluentPeer review under responsibility of Taibah University. View all notes. 2015, 9, 594-600  DyeâEollagen interactions. Mechanism, kinetic and thermodynamic analysis. 2015, 5, 57395-57405  A magnetically-separable Fe3O4 nanoparticle surface grafted with polyacrylic acid for chromium(III)	14.7	22 25 9
1735 1734 1733 1732 1731	Adsorption and desorption study. Chemical Engineering Journal, 2015, 280, 41-48  Controlled synthesis of 2,4,6-trichlorophenol-imprinted amino-functionalized nano-Fe3O4-polymer magnetic composite for highly selective adsorption. 2015, 481, 439-450  Sorption of Cu and Zn in low organic matter-soils as influenced by soil properties and by the degree of soil weathering. 2015, 138, 364-9  The contribution of different vinyl sulphone-reactive dyes to an effluentPeer review under responsibility of Taibah University. View all notes. 2015, 9, 594-600  DyeâBollagen interactions. Mechanism, kinetic and thermodynamic analysis. 2015, 5, 57395-57405  A magnetically-separable Fe3O4 nanoparticle surface grafted with polyacrylic acid for chromium(III) removal from tannery effluents. 2015, 5, 50126-50136  Magnetic/pH-responsive beads based on caboxymethyl chitosan and Ecarrageenan and controlled	14.7	22 25 9 13 30

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1727	Adsorption characteristics of amino acids on to calcium oxalate. <b>2015</b> , 454, 144-51	22
1726	Crowding enhances lipase turnover rate on surface-immobilized substrates. <b>2015</b> , 131, 115-21	6
1725	Rapid scavenging of methylene blue dye from a liquid phase by adsorption on alumina nanoparticles. <b>2015</b> , 5, 14425-14440	55
1724	Enhancing oil removal from water by immobilizing multi-wall carbon nanotubes on the surface of polyurethane foam. <b>2015</b> , 157, 279-86	59
1723	Characterization of trichloroethylene adsorption onto waste biocover soil in the presence of landfill gas. <b>2015</b> , 295, 185-92	8
1722	Effect of dried olive pomace âlderived biochar on the mobility of cadmium and nickel in soil. <b>2015</b> , 3, 1163-1176	22
1721	Removal of U(VI) from Aquatic Systems, Using Winery By-Products as Biosorbents: Equilibrium, Kinetic, and Speciation Studies. <b>2015</b> , 226, 1	12
1720	Sorption of radionuclides from aqueous systems onto graphene oxide-based materials: a review. <b>2015</b> , 2, 593-612	137
1719	Study on adsorption of cationic dye on novel kappa-carrageenan/poly(vinyl alcohol)/montmorillonite nanocomposite hydrogels. <b>2015</b> , 72, 1339-1363	55
1718	Adsorption of reactive yellow 145 onto chitosan in aqueous solution: kinetic modeling and thermodynamic analysis. <b>2015</b> , 72, 1879-1897	14
1717	Primary sewage sludge-derived activated carbon: characterisation and application in wastewater treatment. <b>2015</b> , 17, 1619-1631	22
1716	Removal behavior of peat collected from Brunei Darussalam for Pb(II) ions from aqueous solution: equilibrium isotherm, thermodynamics, kinetics and regeneration studies. <b>2015</b> , 74, 2541-2551	12
1715	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H3PO4-activated langsat empty fruit bunch. <b>2015</b> , 154, 138-44	60
1714	Synthesis of Core-Shell Magnetic Fe3O4@poly(m-Phenylenediamine) Particles for Chromium Reduction and Adsorption. <b>2015</b> , 49, 5654-62	267
1713	Compatibility analysis of reactive dyes by exhaustion-fixation and adsorption isotherm on knitted cotton fabric. <b>2015</b> , 2,	16
1712	Cysteine-Functionalized Chitosan Magnetic Nano-Based Particles for the Recovery of Light and Heavy Rare Earth Metals: Uptake Kinetics and Sorption Isotherms. <b>2015</b> , 5, 154-179	87
1711	Uranium extraction using a magnetic CoFe2O4âgraphene nanocomposite: kinetics and thermodynamics studies. <b>2015</b> , 39, 2832-2838	29
1710	Investigation of cobalt(II) retention from aqueous solutions by a polyamide nanofiltration membrane. <b>2015</b> , 490, 46-56	38

1709	Experimental study on the adsorptive behavior of Congo red in cationic surfactant-modified tea waste. <b>2015</b> , 95, 226-236	78
1708	Heavy metal adsorption with biogenic manganese oxides generated by Pseudomonas putida strain MnB1. <b>2015</b> , 24, 132-139	65
1707	Nanocomposite scaffolds incorporated with hydrophobically-functionalized mesoporous nanocarriers for the effective loading and long-term delivery of osteogenic drugs. <b>2015</b> , 5, 26832-26842	7
1706	Kinetic, isotherm, and thermodynamic investigations of uranium(VI) adsorption on synthesized ion-exchange chelating resin and prediction with an artificial neural network. <b>2015</b> , 55, 1076-1087	17
1705	Adsorption of imidazolium-based ionic liquids with different chemical structures onto various resins from aqueous solutions. <b>2015</b> , 5, 41352-41358	19
1704	Adsorption of cationic dye from aqueous solution onto activated carbon prepared from olive stones. <b>2015</b> , 4, 36-51	81
1703	Catecholamine coated maghemite nanoparticles for the environmental remediation: Hexavalent chromium ions removal. <i>Chemical Engineering Journal</i> , <b>2015</b> , 277, 21-29	65
1702	Phenol adsorption from aqueous solutions by functionalized multiwalled carbon nanotubes with a pyrazoline derivative in the presence of ultrasound. <b>2015</b> , 5, 44263-44273	34
1701	As(III) adsorption and antimicrobial properties of Cuâllhitosan/alumina nanocomposite. <i>Chemical Engineering Journal</i> , <b>2015</b> , 273, 610-621	29
1700	Kinetics and thermodynamics of chromate and phosphate uptake by polypyrrole: batch and column studies. <b>2015</b> , 82, 395-405	7
1699	Synthesis of L-lysine imprinted cryogels for immunoglobulin G adsorption. <b>2015</b> , 52, 315-24	14
1698	Multiphysics modelling, quantum chemistry and risk analysis for corrosion inhibitor design and lifetime prediction. <b>2015</b> , 180, 459-77	15
1697	Removal of fluoxetine from water by adsorbent materials produced from paper mill sludge. <b>2015</b> , 448, 32-40	42
1696	Methylene blue adsorption on factory-rejected tea activated carbon prepared by conjunction of hydrothermal carbonization and sodium hydroxide activation processes. <b>2015</b> , 52, 57-64	111
1695	Preparation and evaluation of adsorptive properties of micro-mesoporous activated carbon via sodium aluminate activation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 274, 76-83	27
1694	Preparation and characterization of activated carbon from pineapple waste biomass for dye removal. <b>2015</b> , 102, 274-280	140
1693	Removal of aluminum from synthetic solutions and well water by chitin: batch and continuous experiments. <b>2015</b> , 53, 3531-3542	4
1692	The adsorption kinetics and modeling for heavy metals removal from wastewater by Moringa pods. <b>2015</b> , 3, 775-784	154

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1690	TEMPO-Oxidized Nanofibrillated Cellulose as a High Density Carrier for Bioactive Molecules. <b>2015</b> , 16, 3640-50	67
1689	Isosteric heat of hydrogen adsorption on MOFs: comparison between adsorption calorimetry, sorption isosteric method, and analytical models. <b>2015</b> , 121, 1417-1424	32
1688	Corrosion mitigation of J55 steel in 3.5% NaCl solution by a macrocyclic inhibitor. <b>2015</b> , 356, 341-347	54
1687	HSA immobilized novel polymeric matrix as an alternative sorbent in hemoperfusion columns for bilirubin removal. <b>2015</b> , 96, 25-31	24
1686	The removal of lead ions from aqueous solutions by modified multi-walled carbon nanotubes with 1-isatin-3-thiosemicarbazone. <b>2015</b> , 212, 219-226	33
1685	Influence of anion induced proton abstraction on Cu(II) adsorption by alginic acid. 2015, 97, 48-55	14
1684	Electronic Nose for Recognition of Volatile Vapor Mixtures Using a Nanopore-Enhanced Opto-Calorimetric Spectroscopy. <b>2015</b> , 87, 7125-32	11
1683	Equilibrium, Kinetics, and Thermodynamics of Soybean Oil Deacidification Using a Strong Anion Exchange Resin. <b>2015</b> , 54, 11167-11179	8
1682	Biosorption of Pb and Cu from aqueous solution using banana peel powder. <b>2015</b> , 1-12	6
1681	Preparation of PVA-chitosan blend nanofiber and its dye removal ability from colored wastewater. <b>2015</b> , 16, 1861-1869	74
1680	Influence of water on the retention of methyl tertiary-butyl ether by high silica ZSM-5 and Y zeolites: a multidisciplinary study on the adsorption from liquid and gas phase. <b>2015</b> , 5, 86997-87006	16
1679	Adsorption studies of Malachite green on 5-sulphosalicylic acid doped tetraethoxysilane (SATEOS) composite material. <b>2015</b> , 5, 92788-92798	8
1678	Efficient adsorption of malachite green and Congo red dyes by the surfactant (DS) intercalated layered hydroxide containing Zn2 + and Y3 +-ions. <b>2015</b> , 118, 308-315	11
1677	Kinetic study of self-assembly of Ni(II)-doped TiO2 nanocatalysts for the photodegradation of azo pollutants. <b>2015</b> , 5, 88266-88271	17
1676	Synthesis of activated carbon from aguaje seeds (Mauritia flexuosa) for the adsorption of the N,N-dimethylamine. <b>2015</b> , 21, 577-587	4
1675	Iron and Manganese Removal from Groundwater Using High Quality Limestone. 2015, 802, 460-465	5

1673	Adsorption of EDTA onto calcium oxalate monohydrate. <b>2015</b> , 5, 86795-86802	3
1672	Phosphate adsorption ability of biochar/Mg-Al assembled nanocomposites prepared by aluminum-electrode based electro-assisted modification method with MgClâlas electrolyte. <b>2015</b> , 198, 603-10	99
1671	Removal of Zn2+ and Pb2+ ions from aqueous solution using sulphonated waste polystyrene. <b>2015</b> , 3, 2528-2537	26
1670	Nuclear Magnetic Resonance Investigation of the Fractionation of Waterâ <b>E</b> thanol Mixtures with Cellulose and Its Cross-Linked Biopolymer Forms. <b>2015</b> , 29, 6512-6521	9
1669	Adsorption kinetics of dyes and their mixtures with Co 3 O 4 â\(\mathbb{Z}\)rO 2 composites. <b>2015</b> , 3, 2684-2696	36
1668	Mesoporous silica materials with different structures as the carriers for antimicrobial agent. Modeling of chlorhexidine adsorption and release. <b>2015</b> , 356, 1327-1340	22
1667	CF4 Adsorption on Microporous Carbons Prepared by Carbonization of Poly(vinylidene fluoride). <b>2015</b> , 54, 8561-8568	20
1666	Effect of concentration and addition of ions on the adsorption of sodium dodecyl sulfate on stainless steel surface in aqueous solutions. <b>2015</b> , 484, 408-415	17
1665	Adsorption of sulfamonomethoxine antibiotics to cucurbit[6]uril-anchored silica gel: effect of aqueous solution chemistry. <b>2015</b> , 56, 552-563	3
1664	Interactions of Cd and Pb with HumateâPalygorskite and HumateâBepiolite Complexes. <b>2015</b> , 226, 1	2
1663	Removal of Pb2+, Ni2+ and Cd2+ ions in aqueous media using functionalized MWCNT wrapped polypyrrole nanocomposite. <b>2015</b> , 1-15	4
1662	Synthesis and characterization of a novel SnFe 2 O 4 @activated carbon magnetic nanocomposite and its effectiveness in the removal of crystal violet from aqueous solution. <b>2015</b> , 3, 2281-2291	58
1661	Modeling and thermodynamics of methylene blue and acid blue 80 adsorption onto potato residue based activated carbon. <b>2015</b> , 31, 627-632	3
1660	Sustainable wastewater treatment and recycling in membrane manufacturing. <b>2015</b> , 17, 5196-5205	178
1659	Influence of pH and ionic strength on Cd, Cu and Pb removal from water by adsorption in Na-bentonite. <b>2015</b> , 118, 61-67	63
1658	MgFe2O4 nanoparticles loaded on activated charcoal for effective removal of Cr (VI) âlA novel approach. <b>2015</b> , 41, 13739-13750	40
1657	Synthesis, characterization, swelling and dye adsorption properties of starch incorporated acrylic gels. <b>2015</b> , 81, 847-57	16
1656	From Spill to Sequestration: The Molecular Journey of Contamination via Comprehensive Multiphase NMR. <b>2015</b> , 49, 13983-91	22

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1637	Preparation and characterisation of biodegradable pollen-chitosan microcapsules and its application in heavy metal removal. <b>2015</b> , 177, 1-7	66
1636	Synthesis and characterization of MCM-41 with different methods and adsorption of Sr2+ on MCM-41. <b>2015</b> , 41, 199-211	15
1635	Heavy metals removal in aqueous environments using bark as a biosorbent. <b>2015</b> , 12, 391-404	63
1634	Adsorption behaviors of surfactants for chemical flooding in enhanced oil recovery. <b>2015</b> , 21, 1239-1245	78
1633	Utilization of NaOH modified Desmostachya bipinnata (Kush grass) leaves and Bambusa arundinacea (bamboo) leaves for Cd(II) removal from aqueous solution. <b>2015</b> , 3, 593-602	15
1632	Recent developments in preparation of activated carbons by microwave: Study of residual errors. <b>2015</b> , 8, 343-354	11
1631	Equilibrium and kinetic study and modeling of Cu(II) and Co(II) synergistic biosorption from Cu(II)-Co(II) single and binary mixtures on brown algae C. indica. <b>2015</b> , 3, 140-149	62
1630	Polyvinylamine modified polyester fibers âlınnovative textiles for the removal of chromate from contaminated groundwater. <b>2015</b> , 3, 386-394	15
1629	Polyethylenimine coated bacterial cellulose nanofiber membrane and application as adsorbent and catalyst. <b>2015</b> , 440, 32-8	68
1628	Ion-exchange selectivity of diclofenac, ibuprofen, ketoprofen, and naproxen in ureolyzed human urine. <b>2015</b> , 68, 510-21	49
1627	Adsorption of bisphenol A (BPA) from aqueous solutions by carbon nanotubes: kinetic and equilibrium studies. <b>2015</b> , 54, 84-92	63
1626	Uranium extraction using magnetic nano-based particles of diethylenetriamine-functionalized chitosan: Equilibrium and kinetic studies. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 198-209	98
1625	Performance and stability of AmberliteâlIRA-67 ion exchange resin for product extraction and pH control during homolactic fermentation of corn stover sugars. <b>2015</b> , 94, 1-8	22
1624	Chemically modified organic/inorganic nanoporous composite particles for the adsorption of reactive black 5 from aqueous solution. <b>2015</b> , 86, 7-15	41
1623	Polydopamine-coated electrospun poly(vinyl alcohol)/poly(acrylic acid) membranes as efficient dye adsorbent with good recyclability. <b>2015</b> , 283, 730-9	180
1622	Removal of trihalomethanes from reclaimed-water by original and modified nanoscale zero-valent iron: Characterization, kinetics and mechanism. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 1226-1236	63
1621	Analysis of synergistic and antagonistic adsorption of heavy metals and acid blue 25 on activated carbon from ternary systems. <b>2015</b> , 93, 755-772	44
1620	Optimization of soft templated mesoporous carbon synthesis using Definitive Screening Design.  Chemical Engineering Journal, 2015, 259, 126-134	34

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1619	Removal of strontium (Sr2+) from aqueous solutions with titanosilicates obtained by the sol-gel method. <b>2015</b> , 438, 159-168		22
1618	A critical review on preparation, characterization and utilization of sludge-derived activated carbons for wastewater treatment. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 895-906	14.7	259
1617	Remediation of Heavy Metals by Biomolecules: A Review. <b>2015</b> , 45, 1644-1704		69
1616	Biosorption of Cu2+ and Ni2+ by Arthrospira platensis with different biochemical compositions. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 806-813	14.7	66
1615	Theoretical and experimental studies of benzoic acid batch adsorption dynamics using vermiculite-based adsorbent. <b>2015</b> , 93, 800-811		20
1614	Removal of congo red and methyl violet from water using nano clay filled composite hydrogels of poly acrylic acid and polyethylene glycol. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 269-283	14.7	113
1613	Taguchi optimization approach for production of activated carbon from phosphoric acid impregnated palm kernel shell by microwave heating. <b>2015</b> , 105, 420-427		58
1612	Removal of nitrate by modified pine sawdust: effects of temperature and co-existing anions. <b>2015</b> , 147, 46-54		44
1611	Photocatalytic degradation of Rhodamine 6G using ZnO-montmorillonite nanocomposite: a kinetic approach. <b>2015</b> , 54, 374-381		21
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1609	Preparation, characterization, and kinetic study of end opened carbon nanotubes incorporated polyacrylonitrile electrospun nanofibers for the adsorption of pyrene from aqueous solution. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 348-356	14.7	34
1608	The Langmuir isotherm: a commonly applied but misleading approach for the analysis of protein adsorption behavior. <b>2015</b> , 103, 949-58		125
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1606	Optimization preparation of activated carbon from Enteromorpha prolifra using response surface methodology and its adsorption studies of fluoroquinolone antibiotics. <b>2015</b> , 55, 624-636		9
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1602	Modeling of biosorption of Cu(II) by alkali-modified spent tea leaves using response surface methodology (RSM) and artificial neural network (ANN). <b>2015</b> , 5, 191-199		44

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1426	Sorption of zinc onto elemental selenium nanoparticles immobilized in Phanerochaete chrysosporium pellets. <b>2016</b> , 23, 21619-21630	28
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767	Lignin grafted hydroxyapatite entrapped in polyacrylamide: Characterization and adsorptive features for Th and bovine serum albumin <b>2022</b> , 204, 333-344	0
766	Application of Surfactant Modified Natural Zeolites for the Removal of Salicylic Acid-A Contaminant of Emerging Concern <b>2021</b> , 14,	3
765	Adsorption Behavior of Sr and Ba Using TDS-Impregnated Microporous Silica-Based Adsorbents in Nitric Acid Solution. <b>2022</b> , 33, 8-16	1
764	Shape-controlled mesoporous melamine-formaldehyde polymers by solvent-assisted curing. <b>2022</b> , 10, 8025-8030	1
763	Biochemical Analysis of Microbial Adsorption Behavior on Iron and Steel Slag Using DNA-specific Fluorescent Reagent, and the Effect of Microbial Biofilm Attached to Slag on pH Buffering Action. <b>2022</b> ,	
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759	Lanthanum-based adsorbents for phosphate reutilization: Interference factors, adsorbent regeneration, and research gaps. <b>2022</b> , 1, 100011	1
758	Use of Biochar from Rice Husk Pyrolysis: Part A: Recovery as an Adsorbent in the Removal of Emerging Compounds <b>2022</b> , 7, 7625-7637	1
757	TEMPO-Oxidized Microcrystalline Cellulose for Rapid Adsorption of Ammonium.	0
756	Ham Portakal Kabuü ile Sulu Zeltilerden Mangan (II) ÿonlar <del>ññ</del> UzaklaE <del>rl</del> mas-Denge, Kinetik ve Termodinamik älenalar. <b>2022</b> , 22, 45-56	1

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754	Preparation and Adsorption Performance of Nano-hydroxyapatite-Enhanced Acrylamide Hydrogel Adsorbent. 1	
753	Preparation of iron-modified biochar from rice straw and its application for the removal of lead (Pb+2) from lead-contaminated water by adsorption. 1	1
75 <sup>2</sup>	Corrosion Inhibition Efficiency of Polyvinylpyrrolidone-Cysteine on Mild Steel in 1.0 M HCl Solution. <b>2022</b> , 8, 1	Ο
751	Cetylpyridinium Bromide/Polyvinyl Chloride for Substantially Efficient Capture of Rare Earth Elements from Chloride Solution <b>2022</b> , 14,	2
750	Photodegradation and adsorption of hexazinone in aqueous solutions: removal efficiencies, kinetics, and mechanisms <b>2022</b> , 1	2
749	Study on adsorption of Cu2+, Pb2+, Cd2+, and Zn2+ by the KMnO4 modified biochar derived from walnut shell. 1	1
748	Sodium salt-assisted low temperature activation of bentonite for the adsorptive removal of methylene blue <b>2022</b> , 12, 2534	2
747	Effective Adsorption of Congo Red from Aqueous Solution Using Fe/Al Di-Metal Nanostructured Composite Synthesised from Fe(III) and Al(III) Recovered from Real Acid Mine Drainage <b>2022</b> , 12,	1
746	Synthesis of Cu nanoparticles in a chitosan entrapped copolymer matrix for photocatalytic reduction of textile dye and column adsorption of heavy metal ions from water.	O
745	Magnetic iron oxide nanosorbents effective in dye removal. 1	1
744	A Rapid Graphene Sensor Platform for the Detection of Viral Proteins in Low Volume Samples. 2100140	O
744	A Rapid Graphene Sensor Platform for the Detection of Viral Proteins in Low Volume Samples. 2100140  Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal of industrial dye procion blue HERD: a comparative study. 1-18	0
	Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal	
743	Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal of industrial dye procion blue HERD: a comparative study. 1-18	
743 742	Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal of industrial dye procion blue HERD: a comparative study. 1-18  Engineered microwave biochar from sago bark waste for heavy metals adsorption. 2022,  Development of the Sequential Binding Model and Application for Anticooperative Protein	O
743 742 741	Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal of industrial dye procion blue HERD: a comparative study. 1-18  Engineered microwave biochar from sago bark waste for heavy metals adsorption. 2022,  Development of the Sequential Binding Model and Application for Anticooperative Protein Adsorption onto Charged Dendrimers 2022,  Modified Hazelnut Shells as a Novel Adsorbent for the Removal of Nitrate from Wastewater. 2022,	0

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736	Magnetically Recyclable Loofah Biochar by KMnO Modification for Adsorption of Cu(II) from Aqueous Solutions <b>2022</b> , 7, 8844-8853	1
735	Updates and improvements to the satellite drag coefficient Response Surface Modeling toolkit. <b>2022</b> ,	О
734	Some synthesis aspects for poorly crystalline porous sodium titanium silicate. 1	О
733	Experimental design optimization and isotherm modeling for removal of copper(II) by calcium-terephthalate MOF synthesized from recycled PET waste.	1
73²	Functionalized nanoporous silicon for extraction of Sc from a leach solution. 2022, 105866	
73 <sup>1</sup>	Controlling parameters of CH4 and CO2 adsorption on shaleâl review. <b>2022</b> , 15, 1	О
730	PHOSPHORUS AVAILABILITY IN SOIL INCUBATED WITH BIOCHAR: ADSORPTION STUDY. <b>2022</b> , 35, 206-215	Ο
729	Arsenate Removal from Aqueous Media Using Chitosan-Magnetite Hydrogel by Batch and Fixed-Bed Columns <b>2022</b> , 8,	О
728	Supercritical Methane Adsorption in Shale: Isothermal Adsorption and Desorption of Eagle Ford Shale Gas. <b>2022</b> ,	
727	Granular Natural Zeolites: Cost-Effective Adsorbents for the Removal of Ammonium from Drinking Water. <b>2022</b> , 14, 939	1
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725	Facile synthesis and characterization of folic acid-modified silica nanoparticles and its exploration for adsorptive removal of aluminum(III) from aqueous media. 1-13	
724	Composites Containing Nanohydroxyapatites and a Stable TEMPO Radical: Preparation and Characterization Using Spectrophotometry, EPR and H MAS NMR <b>2022</b> , 15,	
723	Revelation of high-adsorption-performance activated carbon for removal of fluoroquinolone antibiotics from water. 1	0
722	Synthesis of hybrid magnesium hydroxide/magnesium oxide nanorods [Mg(OH)2/MgO] for prompt and efficient adsorption of ciprofloxacin from aqueous solutions. <b>2022</b> , 342, 130949	9
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720	The utilization of galactomannan from spent coffee grounds as a coagulant aid for treatment of synthetic Congo red wastewater. 1	О

719	Experimental stuy of tannic acid adsorption on fluorite surface: particle size effect and isotherm modelling. <b>2022</b> ,	
718	Dried Brown Seaweed's Phytoremediation Potential for Methylene Blue Dye Removal from Aquatic Environments <b>2022</b> , 14,	10
717	Preparation of Magnesium Doped Magnetic Nanoferrite and its Clay-Based composite: Application to the Removal of an Anionic Dye from Wastewater. 1	O
716	Chemical control of polarization in thin strained films of a multiaxial ferroelectric: Phase diagrams and polarization rotation. <b>2022</b> , 105,	
715	A New Schiff Base Organically Modified Silica Aerogel-Like Material for Metal Ion Adsorption with Ni Selectivity. <b>2022</b> , 2022, 1-18	0
714	Adsorption isotherm and kinetics for the removal of nitrate from wastewater using chicken feather fiber. <b>2022</b> , 9,	1
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712	Strongly Basic Anion Exchange Resin Based on a Cross-Linked Polyacrylate for Simultaneous C.I. Acid Green 16, Zn(II), Cu(II), Ni(II) and Phenol Removal <b>2022</b> , 27,	О
711	Adsorptive removal of aromatic amine from aqueous solutions using carbon black as adsorbent. 1-10	
710	Removal of the Anionic Dye Congo Red from an Aqueous Solution Using a Crosslinked Poly(vinyl alcohol)-ZnO-Vitamin M Nanocomposite Film: A Study of the Recent Concerns about Nonlinear and Linear Forms of Isotherms and Kinetics <b>2022</b> ,	o
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708	Cotton linter as biosorbent: removal study of highly diluted crude oil-in-saline water emulsion. 1	
707	Toxicity of antimony in 18 soils of China evaluated by soil dehydrogenase activity.	
706	Removal of Lead Ions from Simulated Industrial Wastewater by Using Activated Carbon Produced From Heavy Oil Fly Ash. <b>2022</b> , 5, 12-17	
705	Production and characterization of cost-effective magnetic pine bark biochar and its application to remove tetracycline from water <b>2022</b> , 1	О
704	Kinetic and thermodynamic study on adsorption of lead(II) ions in water over dithizone-immobilized coal bottom ash. <b>2022</b> , 282, 126005	1
703	Effective Carbon/TiO Gel for Enhanced Adsorption and Demonstrable Visible Light Driven Photocatalytic Performance <b>2022</b> , 8,	0
702	Enhanced wettability improves catalytic activity of nickel-functionalized activated carbon cathode for hydrogen production in microbial electrolysis cells <b>2022</b> , 350, 126881	1

701	Capturing water vapors from atmospheric air using superporous gels <b>2022</b> , 12, 5626	О
700	Lead (Pb2+) Ion Sensor Development using Optical Fiber Gratings and Nanocomposite Materials. <b>2022</b> , 131818	1
699	Sulfate removal by barium-terephthalate MOF synthesized from recycled PET-waste using Doehlert design optimization. <b>2022</b> , 109388	1
698	Natural-clay-reinforced hydrogel adsorbent: Rapid adsorption of heavy-metal ions and dyes from textile wastewater <b>2022</b> , 94, e10698	O
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696	Online biological sample preparation with restricted access hybrid carbon nanotubes for determination of anti-smoking drugs <b>2022</b> , 1669, 462931	O
695	Degradation of diclofenac sodium with low concentration from aqueous milieu through polydopamine-chitosan modified magnetic adsorbent-assisted photo-Fenton process. <b>2022</b> , 289, 120771	О
694	Efficient and selective removal of Cr(VI) by the modified UiO-66-NH2 with phenothiazine-N-rhodanine from aqueous solution: Performance and mechanisms. <b>2022</b> , 336, 111834	О
693	Core-shell alginate beads as green reactor to synthesize grafted composite beads to efficiently boost single/co-adsorption of dyes and Pb(II) <b>2022</b> ,	4
692	Co-pyrolysis of polyester and cotton via thermogravimetric analysis and adsorption mechanism of Cr(VI) removal by carbon in aqueous solution. <b>2022</b> , 354, 118902	3
691	Advanced modelling of adsorption process on activated carbon. <b>2022</b> , 181, 27-40	
690	Ultrasound-Assisted facile synthesis of Ce/Fe nanoparticles impregnated activated carbon for fluoride remediation. <b>2022</b> , 289, 120785	О
689	Removal of cationic dye from coloured water by adsorption onto hematite-humic acid composite: Experimental and theoretical studies. <b>2022</b> , 288, 120607	2
688	Bentonite functionalized with amine groups by the sol-gel route as efficient adsorbent of rhodamine-B and nickel (II). <b>2022</b> , 223, 106494	1
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684	Synthesis of a tertiary amine hydrochloride macroporous resin adsorbent for removal of oxyhalide anions from water: Performance, adsorption mechanism, and toxicity. <b>2022</b> , 47, 102659	O

683	Chitosan-modified biochar: Preparation, modifications, mechanisms and applications 2022, 209, 31-49	3
682	A review of heavy metalsâltemoval from aqueous matrices by Metal-Organic Frameworks (MOFs): State-of-the art and recent advances. <b>2022</b> , 10, 107394	3
681	Hydrothermal synthesis of magnetic-biochar nanocomposite derived from avocado peel and its performance as an adsorbent for the removal of methylene blue from wastewater. <b>2022</b> , 18, 100123	1
680	1D model for n-butane adsorption and thermal variation for EVAP canister of gasoline-fueled vehicles: Validation with experimental results and DFSS optimization. <b>2022</b> , 209, 118267	
679	Nonsolvent-induced phase separation preparation of porous TOPO-mixed polyethersulfone membranes for selective clearance of p-cresol from simulated serum. <b>2022</b> , 290, 120911	О
678	Synthesis and characterization of MgCo2O4 nanoparticles: Application to removal of Ni2+ in aqueous solution by adsorption. <b>2022</b> , 907, 164498	O
677	A review of avocado waste-derived adsorbents: Characterizations, adsorption characteristics, and surface mechanism <b>2022</b> , 134036	1
676	[Ni(N2H5)2(C2O4)2] 2H2O: Formation, crystal structure, catalytic performance and sorbence activities. 2022, 635, 413857	O
675	Simultaneous removal of cesium and iodate using prussian blue functionalized CoCr layered double hydroxide (PB-LDH). <b>2022</b> , 10, 107477	0
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673	Experimental investigation and simulation for hybrid of nanocomposite and surfactant as EOR process in carbonate oil reservoirs. <b>2022</b> , 319, 123591	0
672	Modeling of composite sorption isotherm for stratum corneum <b>2022</b> , 183910	O
671	Adsorption characteristics of assembled and unassembled Ni/Cr layered double hydroxides towards methyl orange <b>2022</b> , 617, 363-371	1
670	Development of organic porous material from pineapple waste as a support for enzyme and dye adsorption. <b>2022</b> , 181, 114823	О
669	Green approach for the synthesis of graphene glass hybrid as a reactive barrier for remediation of groundwater contaminated with lead and tetracycline. <b>2022</b> , 18, 100685	
668	Derik Halhal-Zeytin Bkirdelīnden Bvre Dostu Sellībzik Manyetik Nano-Adsorbent lietimi ve Benzen Gideriminde Kullan <del>l</del> mas <del>.</del>	
667	A new cotton functionalized with iron(III) trimer-like metal framework as an effective strategy for the adsorption of triarylmethane dye: An insight into the dye adsorption processes <b>2021</b> , 7, e08524	
666	Removal of Pb(II) Ion from Aqueous Phase Under Uncontrolled and Controlled pH Conditions by Granular Activated Alumina. <b>2022</b> , 391-403	

665	Changes in Porous Parameters of the Ion Exchanged X Zeolite and Their Effect on CO Adsorption <b>2021</b> , 26,	0
664	Novel and highly efficient functionalized bentonite for elimination of Cu2+ and Cd2+ from aqueous wastes. <b>2022</b> , 27, 210355-0	O
663	Recycling of Waste Cotton Sheets into Three-Dimensional Biodegradable Carriers for Removal of Methylene Blue <b>2021</b> , 6, 34314-34326	1
662	Enhanced Production and Recovery of Orthophosphate from Wastewater Containing Phosphonate 1-Hydroxyethane-1,1-diphosphonic Acid through Combined Packed-Bed Ozonation and Adsorption. <b>2021</b> , 9, 16946-16955	O
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660	Simple Preparation of a Novel Poly(vinyl Alcohol)/Gallic Acid Adsorbent for Effective Removal of Methylene Blue from Aqueous Solution. <b>2021</b> , 232, 1	O
659	Adsorption of Nitrogen on Mn(II) Metal-organic Framework Nanoparticles. 4164-4177	
658	Competitive coordination of iron(III) and copper(II) ions with amidoximated polyacrylonitrile nanofiber and the catalytic performance of the complex. 152808372110639	
657	Mesoporous Silica Nanoparticles Functionalized with Amino Groups for Biomedical Applications <b>2021</b> , 10, 1251-1259	0
656	Magnetic chitosan microspheres for the removal of methyl violet 2B from aqueous solutions. 1-13	
655	Enhanced Absorption of Hg2+ by a Recyclable Thiol-Functionalized Salix Psammophila. <b>2022</b> , 233, 1	0
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651	Elimination of Acid Red 88 by Waste Product from the Phosphate Industry: Batch Design and Regeneration.	
650	A comprehensive review on the decontamination of lead(ii) from water and wastewater by low-cost biosorbents <b>2022</b> , 12, 11233-11254	O
649	Quick removal of metronidazole from aqueous solutions by metal-organic frameworks.	1
648	Adsorption Effect and Mechanism of Sludge Biochar on Heavy Metal Cd2+. <b>2022</b> , 10, 65-74	

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646	Modelling a multi-stage batch reactor for the immobilization of Fe(III) ions using humic acid and 2-mercaptobenzoxazole fabricated organo-clay. <b>2022</b> , 131619	O
645	Effect mechanism of carbonaceous materials on the flotation separation of leadâ⊠inc ore. <b>2022</b> , 121101	O
644	Potential efficiency of magnetic mesoporous silica nanoparticles modified with aspartic acid to cationic dye removal from aqueous solution. 1-14	
643	Red Seaweed ( Greville) Based Polyurethane as Adsorptive Membrane for Ammonia Removal in Water <b>2022</b> , 14,	1
642	Sequestration of Arsenate from Surface Water Using Chemically Activated Carbon of Black Velvet Tamarind Fruit Shell. 1170, 141-154	
641	Respiratory Adsorption of Organic Pollutants in Wastewater by Superhydrophobic Phenolic Xerogels <b>2022</b> , 14,	
640	Sorption Potential of Different Forms of TiO2 for the Removal of Two Anticancer Drugs from Water. <b>2022</b> , 12, 4113	O
639	Removal of Copper(II) in the Presence of Sodium Dodecylobenzene Sulfonate from Acidic Effluents Using Adsorption on Ion Exchangers and Micellar-Enhanced Ultrafiltration Methods <b>2022</b> , 27,	O
638	Chloride Adsorption Capacity of Monocarbonate: The Importance of Iron Doping.	O
637	A re-analysis of NH sorption on biochar: Have expectations been too high?. <b>2022</b> , 134662	O
636	Preparation and Adsorption Properties of MCM-41 with Novel Gemini Ionic Liquid Surfactants as Template <b>2022</b> , 15,	O
635	Preparation, Characterization and Adsorption Study of PEDGE-Cross-linked Magnetic Chitosan (PEDGE-MCh) Microspheres for Cd2+ Removal.	2
634	Metal-Organic Framework-Based Materials for Adsorption and Detection of Uranium(VI) from Aqueous Solution <b>2022</b> , 7, 14430-14456	2
633	Greener Strategy for Lupanine Purification from Lupin Bean Wastewaters Using a Molecularly Imprinted Polymer <b>2022</b> ,	O
632	Leonardite powder as an efficient adsorbent for cationic and anionic dyes <b>2022</b> , 94, e10719	O
631	Surface-Modified Adsorbent from Artocarpus heterophyllus Lam Biomass to Confine Reactive Red 194 in Real and Synthetic Effluents: Kinetics and Equilibrium Study. <b>2022</b> , 2022, 1-23	O
630	Biodegradable cellulose nanocrystals hydrogels for removal of acid red 8 dye from aqueous solutions <b>2022</b> , 12, 6424	1

629	Removal of vanadium by ion exchange resins from model and real solutions from spent V2O5 catalyst. <b>2022</b> , 211, 105871		2
628	Mesoporous carbon structure impregnated with 2D engineered zirconium: A sustainable adsorbent for the removal of dyes from the aqueous solution <b>2022</b> , 314, 115009		O
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625	A comparative study on adsorption of cadmium and lead by hydrochars and biochars derived from rice husk and Zizania latifolia straw <b>2022</b> , 1		1
624	Porous Aluminum-Based Metal-Organic Framework-Aminoclay Nanocomposite: Sustainable Synthesis and Ultrahigh Sorption of Cephalosporin Antibiotics <b>2022</b> ,		O
623	Efficient Antimicrobial Effect of Alginate-Catechol/Fe Coating on Hydroxyapatite toward Oral Care Application <b>2022</b> ,		
622	Broad-Spectrum and Effective Rare Earth Enriching Via Yarrowia Lipolytica Engineered Strain Displayed with Lanmodulin.		
621	Chemical treatment of sugarcane bagasse and its influence on glyphosate adsorption. <b>2022</b> , 27,		O
620	Novel easily separable core-shell FeO/PVP/ZIF-8 nanostructure adsorbent: optimization of phosphorus removal from Fosfomycin pharmaceutical wastewater <b>2022</b> , 12, 12823-12842		О
619	Biochar adsorption system designs. <b>2022</b> , 153-203		1
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617	Experimental Modeling Investigations on the Biosorption of Methyl Violet 2B Dye by the Brown Seaweed Cystoseira tamariscifolia. <b>2022</b> , 14, 5285		O
616	Adsorptive removal of fluoride using ionic liquid-functionalized chitosan - Equilibrium and mechanism studies <b>2022</b> ,		O
615	Silicified coal adsorbents for adsorption of Cu(II) from the aqueous Solution: Non-Linear kinetic and isotherm studies. <b>2022</b> ,		
614	Adsorption of fluoride by using sodium alginate coated poly-aluminium chloride (PAC) sludge: preparation, characterisation and mechanism. 1-18		
613	Amoxicillin Retention/Release in Agricultural Soils Amended with Different Bio-Adsorbent Materials <b>2022</b> , 15,		0
612	Adsorption Isotherms: Enlightenment of the Phenomenon of Adsorption.		O

611	Facile synthesis of mesoporous nano Ni/NiO and its synergistic role as super adsorbent and photocatalyst under sunlight irradiation <b>2022</b> , 1	О
610	Adsorption Kinetics of Imidacloprid, Acetamiprid and Methomyl Pesticides in Aqueous Solution onto Eucalyptus Woodchip Derived Biochar. <b>2022</b> , 12, 528	О
609	Preparation and characterization of ketoprofen and pentoxifylline agents based layered double hydroxides-chitosan nanohybride and its releasing control. <b>2022</b> , 17, 527-540	О
608	Evaluating cottonwood seeds as a low-cost biosorbent for crystal violet removal from aqueous matrics <b>2022</b> , 1-9	O
607	A comprehensive review on application of plant-based bioadsorbents for Congo red removal. 1	1
606	Effect of freeze-thaw cycle aging and high-temperature oxidation aging on the sorption of atrazine by microplastics <b>2022</b> , 119434	O
605	Alginate@Layered Silicate Composite Beads: Dye Elimination, Boxâ <b>B</b> ehnken Design Optimization and Antibacterial Property.	О
604	Computational-Based Approaches for Predicting Biochemical Oxygen Demand (BOD) Removal in Adsorption Process. <b>2022</b> , 2022, 1-15	O
603	Fe-Sensitized Zeolite Supported TiO2 for the Degradation of Tetracycline Using Blue LED Irradiation. <b>2022</b> , 10,	1
602	Enhanced electron transfer due to rGO makes Ag-CaTiO3@rGO a promising plasmonic photocatalyst. <b>2022</b> , 100468	О
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599	Activated eco-waste of Posidonia oceanica rhizome as a potential adsorbent of methylene blue from saline water. 1	О
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597	Amine-bilayer-functionalized cellulose-chitosan composite hydrogel for the efficient uptake of hazardous metal cations and catalysis in polluted water. <b>2022</b> , 129112	1
596	Modification of Natural Zeolite Clinoptilolite and its Application in the Adsorption of Herbicides <b>2022</b> , 1-43	
595	Cationic dye removal using Pergularia tomentosa L. fruit: kinetics and isotherm characteristics using classical and advanced models. <b>2022</b> , 25, 1-19	1
594	Mirror, Mirror on the Wall, Which Is the Fairest of Them All? Comparing the Hill, Sips, Kobleatorrigan, and Liu Adsorption Isotherms.	1

593	Ultra-Rapid Removal of Pb (II) Ions by a Nano-MoS 2 Decorated Graphene Aided by the Unique Combination of Affinity and Electrochemistry. 2200039	2
592	Study on the cyclic adsorption performance of biomass composite membrane for Hg(II) <b>2022</b> , 1-30	O
591	Steel slag as a cost-effective adsorbent for synergic removal of collectors, Cu(II) and Pb(II) ions from flotation wastewaters. <b>2022</b> , 183, 107593	1
590	Tailored-designed material for the preconcentration of Cd(II) on glycidyl methacrylate-based ion-imprinted polymer for flame atomic absorption for trace determination in real samples: multivariate optimization <b>2022</b> , 1	1
589	A review of the toxicology presence and removal of ketoprofen through adsorption technology. <b>2022</b> , 10, 107798	1
588	Preparation of chitosan/tannin and montmorillonite films as adsorbents for Methyl Orange dye removal <b>2022</b> ,	1
587	Manganese and nitrate removal from groundwater using date palm biochar: Application for drinking water. <b>2022</b> , 8, 100237	0
586	Fabrication of a novel green bio-composite for sequestration of Victoria Blue from aquatic medium: Isotherm, Kinetics, and Thermodynamic investigations. <b>2022</b> , 800, 139665	O
585	Phoenix dactylifera mediated green synthesis of Mn doped ZnO nanoparticles and its adsorption performance for methyl orange dye removal: A comparative study. <b>2022</b> , 286, 126173	0
584	One-pot synthesis of brewer's spent grain-supported superabsorbent polymer for highly efficient uranium adsorption from wastewater <b>2022</b> , 212, 113333	O
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508	Performance and modeling of Ni(II) adsorption from low concentrated wastewater on carbon microspheres prepared from tangerine peels by FeCl3-assisted hydrothermal carbonization. <b>2022</b> , 108143	O
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493	Adsorption and desorption behavior of arsenite and arsenate at river sediment-water interface. <b>2022</b> , 317, 115497	O
492	Lead removal from aqueous solutions by olive mill wastes derived biochar: Batch experiments and geochemical modelling. <b>2022</b> , 318, 115562	0
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483	Hypercrosslinked Polymer Derived Carbon@Mil-100 Magnetic Material for the Enhanced Extraction of Diclofenac.	
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460	Investigating the Evolution of Structural Characteristics of Humic Acid Generated during the Continuous Anaerobic Digestion and Its Potential for Chromium Adsorption and Reduction. <b>2022</b> , 8, 322	O
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448	Adsorption characteristics of Cs and cation selectivity of todorokite. <b>2022</b> , 650, 129652	О
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403 402 401 400	Activated Biocarbons Obtained from Plant Biomass as Adsorbents of Heavy Metal Ions. 2022, 15, 5856  Walnut shell biochar based sorptive remediation of estrogens polluted simulated wastewater: Characterization, adsorption mechanism and degradation by persistent free radicals. 2022, 102870  Ecofriendly Removal of Aluminum and Cadmium Sulfate Pollution by Adsorption on Hexanoyl-Modified Chitosan. 2022, 3, 589-608  Calcium/iron-layered double hydroxides-sodium alginate for removal of tetracycline antibiotic from aqueous solution. 2022,	1
403 402 401 400 399	Activated Biocarbons Obtained from Plant Biomass as Adsorbents of Heavy Metal Ions. 2022, 15, 5856  Walnut shell biochar based sorptive remediation of estrogens polluted simulated wastewater: Characterization, adsorption mechanism and degradation by persistent free radicals. 2022, 102870  Ecofriendly Removal of Aluminum and Cadmium Sulfate Pollution by Adsorption on Hexanoyl-Modified Chitosan. 2022, 3, 589-608  Calcium/iron-layered double hydroxides-sodium alginate for removal of tetracycline antibiotic from aqueous solution. 2022,  Hydrogen production from urea in human urine using segregated systems. 2022, 222, 118931  Selective sulfate sorption from boric acid factory process liquor: Chitosan-bentonite biocomposite	1

395	A review of gas adsorption on shale and the influencing factors of CH4 and CO2 adsorption. <b>2022</b> , 217, 110897	1
394	Facile copolymerization synthesis of vinylimidazole/dibromodecane/vinylpyridine polymer with high capacity for selective adsorption of nitrate from water. <b>2022</b> , 49, 103052	
393	Mercury sequestration from synthetic and real gold processing wastewaters using FeâAl bimetallic particles. <b>2022</b> , 372, 133482	Ο
392	Sustainable alternative for removing pesticides in water: Nanomodified activated carbon produced from yeast residue biomass. <b>2022</b> , 29, 100794	
391	Efficient separation and removal of dyes from single and multiple systems by magnetic/silver/carbon nanocomposite: Mechanism and mathematical modeling. <b>2022</b> , 29, 100802	
390	A magnetically recyclable magnetic graphite oxide composite functionalized with polydopamine and Eyclodextrin for cationic dyes wastewater remediation: Investigation on adsorption performance, reusability and adsorption mechanism. <b>2022</b> , 602, 154338	1
389	Application of magnesium ferrite nanomaterials for adsorptive removal of arsenic from water: Effects of Mg and Fe ratio. <b>2022</b> , 307, 135817	1
388	Synthesis of biochar from iron-free and iron-containing microalgal biomass for the removal of pharmaceuticals from water. <b>2022</b> , 214, 114041	1
387	Sorption and post-sorption performances of Cd, Pb and Zn onto peat, compost and biochar. <b>2022</b> , 321, 115968	1
386	Chitosan capped silver nanoparticles: Adsorption and photochemical activities. <b>2022</b> , 15, 104154	O
385	Designer biochar with enhanced functionality for efficient removal of radioactive cesium and strontium from water. <b>2022</b> , 214, 114072	1
384	Adsorption characteristics in the removal of chlorpyrifos from groundwater using magnetic graphene oxide and carboxy methyl cellulose composite. <b>2022</b> , 300, 121919	Ο
383	One-Step Preparation of PVDF/GO Electrospun Nanofibrous Membrane for High-Efficient Adsorption of Cr(VI). <b>2022</b> , 12, 3115	2
382	Potentiality of using Synthesised Zinc Tungstate Nanoparticles for Thoron and Arsenazo III Removal from Waste Solutions. 1-22	O
381	Equilibrium and Kinetic Modeling of Crystal Violet Dye Adsorption by a Marine Diatom, Skeletonema costatum. <b>2022</b> , 15, 6375	1
380	Improved remediation of fluoride contaminated water using titania-alumina sorbents. <b>2022</b> , 49, 103091	O
379	Engineered biochar prepared using a self-template coupled with physicochemical activation for highly efficient adsorption of crystal violet. <b>2022</b> , 139, 104533	О
378	A hybrid biocomposite of Thamnidium elegans/olive pomace/chitosan for efficient bioremoval of toxic copper. <b>2022</b> , 221, 865-873	O

377	Recent advances in the application of carbon nitrides for advanced water treatment and desalination technology. <b>2022</b> , 542, 116061	1
376	Some consideration triggered by misquotation of Temkin model and the derivation of its correct form. <b>2022</b> , 15, 104267	O
375	Glutaraldehyde-crosslinked poly(vinyl alcohol)/halloysite composite films as adsorbent for methylene blue in water. <b>2022</b> , 291, 126752	0
374	Is the presence of Cu(II) and p-benzoquinone a challenge for the removal of microplastics from landfill leachate?. <b>2022</b> , 851, 158395	O
373	Application of Fe and Cu nanoparticles for methyl orange removal from water and water-ethanol mixtures under various experimental conditions. <b>2022</b> , 28, 100189	0
372	Adsorption studies of a multi-metal system within acetate media, with a view to sustainable phosphate recovery from sewage sludge. <b>2022</b> , 324, 116279	O
371	Adsorption performance and mechanism of cationic and anionic dyes by KOH activated biochar derived from medical waste pyrolysis. <b>2022</b> , 314, 120271	0
370	N-doping porous carbon with rich narrow micropores for highly efficient CO2 selective adsorption: Insight from experimental and theoretical study. <b>2022</b> , 605, 154777	O
369	Tuning the pore structure of templated mesoporous poly(melamine-co-formaldehyde) particles toward diclofenac removal. <b>2022</b> , 324, 116221	1
368	Fabrication and application of novel coreâthell MIL-101(Cr)@UiO-66(Zr) nanocrystals for highly selective separation of H2S and CO2. <b>2023</b> , 452, 139001	O
367	Preparation of antifouling and highly hydrophobic cellulose nanofibers/alginate aerogels by bidirectional freeze-drying for water-oil separation in the ocean environment. <b>2023</b> , 441, 129965	1
366	Synthesis, properties, and application of biomass-derived graphene-like material. <b>2022</b> , 189-208	O
365	Palladium(Ii) Chloride Complex Ion Recovery from Aqueous Solutions Using Adsorption Process on Chemically Oxidized Activated Carbons.	O
364	Pharmaceuticals removal by synergistic adsorption and S-scheme photocatalysis using nano-CeO2-coupled Fe3O4 on a CTAB matrix and investigation of the nanocomposite's antibacterial and antibiofilm activities: intrinsic degradation mechanism. <b>2022</b> , 46, 16844-16857	O
363	Fe3O4-4,4?-biphenyldicarboxaldehyde superparamagnetic-nanomaterial for the high-efficiency removal of 9-phenanthrol: experimental combined with DFT investigations. <b>2022</b> , 9, 3562-3580	0
362	Characterization of Arsenic (III and V) Adsorption on Natural Schwertmannite Formed in Acid Coal Mine Drainage: Batch Studies and Spectroscopic Observations.	O
361	Application of Agricultural Wastes for Cationic Dyes Removal from Wastewater. <b>2022</b> , 239-274	О
<b>3</b> 60	Isotherm models of adsorption processes on adsorbents and nanoadsorbents. <b>2022</b> , 99-126	O

359	Adsorptionâ⊞eavy Metals Removal. <b>2022</b> , 157-248	0
358	Thermodynamic and Kinetic Adsorption Studies of a Multi-Metal System within Acetate Media, with a View to Sustainable Phosphate Recovery.	O
357	Determination of the Extinction Coefficient of Carbon Monoxide Adsorbed on Titanium Dioxide. <b>2022</b> , 130, 248-256	1
356	Studies on the Equilibrium, Kinetic, and Thermodynamic Properties of Waste Orange Peel in the Removal of Copper (II) Ions from Aqueous Solutions. <b>2022</b> , 22, 498-507	1
355	Design of highly microporous activated carbons based on walnut shell biomass for H2 and CO2 storage. <b>2023</b> , 201, 633-647	1
354	Batch Adsorption Study of Synthetic Dye Mix in Aqueous Solution using Activated Carbon Prepared from Coconut Shell. <b>2022</b> , 38, 1074-1080	0
353	Facile Preparation and Analytical Utility of ZnO/Date Palm Fiber Nanocomposites in Lead Removal from Environmental Water Samples. <b>2022</b> , 27, 5592	1
352	Isotherm and thermodynamic studies on the removal of gelatin-stabilized silver nanoparticles from water by activated carbon. 919-938	O
351	Adsorption of Copper and Lead Ions in a Binary System onto Orange Peels: Optimization, Equilibrium, and Kinetic Study. <b>2022</b> , 14, 10860	1
350	Comparison and interpretation of isotherm models for the adsorption of dyes, proteins, antibiotics, pesticides and heavy metal ions on different nanomaterials and non-nano materialsâl comprehensive review.	O
349	An evaluation on S-type adsorption isotherm in the model of crosslinked polyhydroxamates/oxazine dyes/water interactions. <b>2022</b> , 28, 249-260	0
348	Uranium Determination in Waters, Wine and Honey by Solid Phase Extraction with New Ion Imprinted Polymer. <b>2022</b> , 27, 5516	O
347	Removal of Sodium Diclofenac from Aqueous Medium Using Layered Double Hydroxide: a Thermodynamic and Theoretical Approach. <b>2022</b> , 233,	0
346	Fabrication of hydroxylcarboxyl bifunctional hyper-crosslinked polymers for selective adsorption of methylene blue.	O
345	Implementation of Magnetic Nanostructured Adsorbents for Heavy Metals Separation from Textile Wastewater. <b>2022</b> , 14, 11785	0
344	The carrier effect mechanism of butachlor in water by three typical microplastics.	O
343	Comparison of H3PO4 and ZnCl2 Activated Filtered Coffee Waste Carbon-Based Adsorbents in Methylene Blue Removal by Using Ultrasonic-Assisted Adsorption.	0
342	Poly(N-isopropylmethacrylamide-co-4-acrylamidobenzo-18-crown-6) microgels with expanded networks for excellent adsorption of lead(II) ions. <b>2022</b> ,	Ο

341	The adsorption performance of magnetic gelatin nanofiber for Orange G removal.	O
340	The Valorization of Luffa cylindrica as an Etheramine Biosorbent in Wastewater Treatment. <b>2022</b> , 233,	O
339	Poly(sodium acrylate)-Modified Magnetite Nanoparticles for Separation of Heavy Metals from Aqueous Solutions. <b>2022</b> , 15, 6562	О
338	Hyaluronic Acid Methacrylate Hydrogel-Modified Electrochemical Device for Adsorptive Removal of Lead(II). <b>2022</b> , 12, 714	1
337	Adsorption and photocatalytic degradation of cationic dyes over bismuth ferrite (BFO) intercalated on liquid natural rubber-based hydrogel compound. <b>2022</b> ,	О
336	Rare earth metal as a dopant element: Cerium ion as an articulator in hexavalent chromium removal by magnetic iron oxides. <b>2022</b> ,	O
335	Synthesis and Characterization of Fe3O4-Bentonite Nanocomposite Adsorbent for Cr(VI) Removal from Water Solution. <b>2022</b> , 2022, 1-18	O
334	Efficient removal of crystal violet from solution by montmorillonite modified with docosyl-trimethylammonium chloride and sodium dodecyl sulfate: modelling, kinetics and equilibrium studies. 1-14	O
333	Adsorption of phenol on kenaf-derived biochar: studies on physicochemical and adsorption characteristics and mechanism.	O
332	Effect of nitrogen source and nickel concentration on green microalga Botryococcus braunii growth and its remediation potential.	O
331	A ternary mechanism for the facilitated transfer of metal ions onto metalâBrganic frameworks: implications for the â�ersatilityâ�ef these materials as solid sorbents.	О
330	A Mechanism Assessment and Differences of Cadmium Adsorption on Raw and Alkali-Modified Agricultural Waste. <b>2022</b> , 10, 1957	O
329	Fe(II)-Anchored Cotton Fabric for Heterogeneous Fenton Degradation of Rhodamine B Dye.	O
328	Human serum albumin depletion based on dye ligand affinity chromatography via magnetic microcryogels. 1-14	O
327	Biobased hydrogels and their composite containing MgMOF74 for the removal of textile dyes and wastewater treatment. <b>2022</b> , 94,	O
326	Photocatalytic Remediation of Industrial Dye Waste Streams Using Biochar and Metal-Biochar Hybrids: A Critical Review.	1
325	Cationic dye adsorption on doped, self-doped and metallopolymers of polyaniline-thiacalix[4]arene.	O
324	Adsorption of paratoluic acid on MIL-53 (Al) metal-organic framework, and response surface methodology optimization. <b>2022</b> ,	O

323	Cr(VI) removal from contaminated waters using ultra-thin layered meixnerite.	O
322	Industrial steel waste-based adsorbent: An effective phosphate removal from aqueous media. <b>2022</b> , 126828	O
321	Synthesis of zeolite-geopolymer composites with high zeolite content for Pb(II) removal by a simple two-step method using fly ash and metakaolin. <b>2022</b> , 134528	О
320	Efficiently ion-enhanced adsorption of anion dyes by acrolein crosslinked polyethylenimine/chitosan hydrogel with excellent recycling stability. <b>2022</b> ,	2
319	Thermodynamic, Nonlinear Kinetic, and Isotherm Studies of Bisphenol A Uptake onto Chemically Activated Carbons Derived from Safou (Dacryodes edulis) Seeds. <b>2022</b> , 2022, 1-17	О
318	Paracetamol and Ibuprofen Removal from Aqueous Phase Using a Ceramic-Derived Activated Carbon.	1
317	Removal efficiency and adsorption mechanisms of CeO2 nanoparticles onto granular activated carbon used in drinking water treatment plants. <b>2022</b> , 159261	1
316	Polybrominated diphenyl ethers as hitchhikers on microplastics: Sorption behaviors and combined toxicities to Epinephelus moara. <b>2022</b> , 252, 106317	Ο
315	Enhancement of microsphere specificity to purify human serum albumin from blood plasma. <b>2022</b> , 1683, 463535	1
314	Selective removal of mercury ions by functionalized Ti-Zr bimetallic coordination polymers. <b>2022</b> , 168, 123-132	Ο
313	Hypercrosslinked polymer derived carbon@MIL-100 magnetic material for the enhanced extraction of diclofenac. <b>2022</b> , 303, 122211	О
312	Removal of Alizarin red S by calcium-terephthalate MOF synthesized from recycled PET-waste using Box-Behnken and Taguchi designs optimization approaches. <b>2022</b> , 316, 123560	1
311	Phosphoric acid functionalized superhydrophilic and underwater superoleophobic UiO-66/polyester fabric composite membrane for efficient oil/water separation and Gd(III) recovery. <b>2022</b> , 544, 116141	1
310	Hierarchical porous carbon with an ultrahigh surface area for high-efficient iodine capture: Insights into adsorption mechanisms through experiments, simulations and modeling. <b>2022</b> , 303, 122237	Ο
309	Adsorption Performance of Modified Eggshell Powder for Phosphorus in Water. 2022, 10, 181-190	0
308	Evaluation of CO2 adsorption capacity with a nano-CaO synthesized by chemical combustion/ball milling. <b>2022</b> , 40, 257-269	O
307	Ultrasonic-Assisted Rapid Preparation of Sulfonated Polyether Ether Ketone (PEEK) and Its Testing in Adsorption of Cationic Species from Aqueous Solutions. <b>2022</b> , 15, 7558	1
306	Sorption of Mercury in Batch and Fixed-Bed Column System on Hydrochar Obtained from Apple Pomace. <b>2022</b> , 10, 2114	O

305	Enhanced performance of functionalized MOF adsorbents for efficient removal of anthropogenic Hg(II) from water. <b>2022</b> , 134766	0
304	Swelling Mechanisms Assessment of Water-Based Drilling Mud by Polyvinyl Alcohol. <b>2022</b> ,	O
303	An efficient biosorbent for the removal of arsenic from a typical urban-generated wastewater. <b>2022</b> , 194,	О
302	Adsorption of methylene blue using sodium carboxymethyl cellulose-g-poly (acrylamide-co-methacrylic acid)/Cloisite 30B nanocomposite hydrogel.	2
301	Multifunctional Loblolly Pine-Derived Superactivated Hydrochar: Effect of Hydrothermal Carbonization on Hydrogen and Electron Storage with Carbon Dioxide and Dye Removal. <b>2022</b> , 12, 3575	O
300	Inhibition Mechanism of Some Vinylalkylimidazolium-Based Polymeric Ionic Liquids against Acid Corrosion of API 5L X60 Steel: Electrochemical and Surface Studies. <b>2022</b> , 7, 37807-37824	1
299	Synthesis of a Novel Adsorbing Agent by Coupling Chitosan, ECyclodextrin, and Cerium Dioxide: Evaluation of Hexavalent Chromium Removal Efficacy from Aqueous Solutions. <b>2022</b> , 14, 13527	O
298	One-step synthesis of magnetic fly ash composites for methylene blue removal: batch and column study.	1
297	The role of organic and inorganic substituents of roxarsone determines its binding behavior and mechanisms onto nano-ferrihydrite colloidal particles. <b>2022</b> ,	O
296	Removal of Cu(II) Ions from Aqueous Solutions Using Chitosan/Zeolite Composites: Effects of the Size of the Beads and the Zeolitic Content.	O
295	Mandarin Biochar-TETA (MBT) prepared from Citrus reticulata peels for adsorption of Acid Yellow 11 dye from water. <b>2022</b> , 12,	О
294	The Use of Activated Carbons Obtained by Flash Heating Method for the Removal of Amoxicillin from Aqueous Solutions.	O
293	Magnetic Nanocomposite of TiO2 as Efficient Adsorbent for Direct Green 26 Dye: Multivariate Optimization, Kinetic and Equilibrium Isotherms. <b>2022</b> , 16,	О
292	Soy flourâBased biochars for enhanced removal of anionic and cationic dyes.	O
291	Removal of Cr(VI) from aqueous solutions by nZVI-loaded sludge-derived biochar: performance and mechanism.	1
290	Cellulose-based materials and their adsorptive removal efficiency for dyes: A review. 2022,	2
289	Fluoride Retention Kinetic and Equilibrium Studies on Layered Double Hydroxides under Ambient Conditions: Implications on Pond-Stream-Hot Spring-Well Water Remediation.	О
288	Recent methods in the production of activated carbon from date palm residues for the adsorption of textile dyes: A review. 10,	Ο

287	Biochar Modification Methods for Augmenting Sorption of Contaminants.	O
286	Supramolecular Organic Frameworks as Adsorbents for Efficient Removal of Excess Bilirubin in Hemoperfusion. <b>2022</b> , 14, 47397-47408	1
285	Optimization of synthesis conditions for graft copolymerization of methacrylic acid onto Garcinia kola pods and use in the sequestration of cationic dyes from simulated wastewaters.	O
284	Modification of Clinoptilolite as a Robust Adsorbent for Highly-Efficient Removal of Thorium (IV) from Aqueous Solutions. <b>2022</b> , 19, 13774	О
283	Evaluation of the use of adsorbents based on graphene oxide and cellulose for Cr(VI) adsorption. 1-19	О
282	An alternative method of dispersive solid-phase extracting Hg (II) from environmental aqueous solutions using carboxylic functionalized carbon nanotubes.	Ο
281	New insights into the effective removal of Basic Red 46 onto activated carbon produced from pomegranate peels.	О
280	A Two-Sorbent System for Fast Uptake of Arsenate from Water: Batch and Column Studies. <b>2022</b> , 119290	O
279	Functionalized Clays for Radionuclide Sequestration: A Review.	1
278	Tolerance of benthic foraminifer Calcarina gaudichaudii to polycyclic aromatic hydrocarbon pyrene: effects on photosynthesis.	O
277	Removal of perfluoroalkyl acids and common drinking water contaminants by weak-base anion exchange resins: Impacts of solution pH and resin properties. <b>2022</b> , 100159	2
276	The oxidation states of heavy metals and their adsorption behavior onto biobased hydrogels.	Ο
275	Synthesis of melamine-isocyanurate-based hyper-cross-linked resin for ultrahigh removal of chlorophenols from aqueous solutions.	0
274	Removal of As(III)/As(V) from aqueous solution using newly developed thiosalicylic acid coated magnetite [TSA@Fe3O4] nanoparticles.	Ο
273	Exploring the Use of Tobacco Waste as a Metal Ion Adsorbent and Substrate for Sulphate-Reducing Bacteria during the Treatment of Acid Mine Drainage. <b>2022</b> , 14, 14333	0
272	Synthesis and application of Zr-metalâBrganic framework for simultaneous detection and rapid adsorption of p-nitrophenol from water.	Ο
271	A novel floating compound based on a plastic sphere coated with tin titanate for the removal of the herbicide fomesafen. <b>2022</b> , 379, 134882	O
270	Effects of biochar particle size on sorption and desorption behavior of NH4+-N. <b>2022</b> , 189, 115837	О

269	Preparation of high-performance chitosan adsorbent by cross-linking for adsorption of Reactive Red 2 (RR2) dye wastewater. <b>2022</b> , 10, 108872	O
268	Synthesis of a novel bifunctional hybrid molecularly imprinted poly(methacrylic acid-phenyltrimetoxysilane) for highly effective adsorption of diuron from aqueous medium. <b>2022</b> , 181, 105432	O
267	The hydrogen-resistant surface of steels designed by alloy elements doping: First-principles calculations. <b>2023</b> , 216, 111854	O
266	Adsorption of recalcitrant contaminants of emerging concern onto activated carbon: A laboratory and pilot-scale study. <b>2023</b> , 325, 116489	1
265	Adsorption performance of Enterobacter cloacae towards U(VI) ion and application of Enterobacter cloacae/carbon nanotubes to preconcentration and determination of low-levels of U(VI) in water samples. <b>2023</b> , 311, 136804	О
264	How to avoid mistakes in treating adsorption isotherm data (liquid and solid phases): Some comments about correctly using Radke-Prausnitz nonlinear model and Langmuir equilibrium constant. <b>2023</b> , 325, 116475	O
263	Process formulations and controlling factors of pesticide dissipation in artificial ponds: A critical review. <b>2023</b> , 186, 106820	0
262	MOFs meet electrospinning: New opportunities for water treatment. <b>2023</b> , 453, 139669	2
261	Producing bacterial nano-cellulose and keratin from wastes to synthesize keratin/cellulose nanobiocomposite for removal of dyes and heavy metal ions from waters and wastewaters. <b>2023</b> , 656, 130355	1
260	Kinetic and Thermodynamic Study of Phenol Removal from Water Using Activated Carbon Synthesizes from Avocado Kernel Seed. 54, 42-57	O
259	SORPTION OF TWO ORGANIC DYES AND THE MEASUREMENT OF SPECIFIC SURFACE AREA OF SORBENTS USED IN DISASTERS AND EMERGENCY SITUATIONS. <b>2019</b> , 18, 12-20	О
258	Centenary of Langmuir Isotherm. 1-16	O
257	An effective uranium removal using diversified synthesized cross-linked chitosan bis-aldehyde Schiff base derivatives from aqueous solutions.	1
256	Eco-benign preparation of biosorbent using Momordica Charantia for the efficient removal of Cr(VI) ions from wastewater. <b>2022</b> ,	O
255	Soya bean derived activated carbon as an efficient adsorbent for capture of valuable heavy metals from waste aqueous solution. <b>2022</b> ,	0
254	Adsorption behavior of tannic acid on polyethylenimine-modified montmorillonite with different morphologies.	O
253	Elimination of Amoxicillin by Adsorption on Coffee Waste Based Activated Carbon. 2022, 134500	1
252	Properties and mechanism of Cr(VI) removal by a ZnCl2-modified sugarcane bagasse biocharâBupported nanoscale iron sulfide composite.	O

251	In Situ Imaging and Computational Modeling Reveal That Thiophene Complexation with Co(II)porphyrin/Graphite Is Highly Cooperative. <b>2022</b> , 126, 19188-19199	Ο
250	Outstanding Enrofloxacin Removal Using an Unmodified Low-Cost Sorbent Prepared from the Leaves of Pyracantha koidzumii. <b>2022</b> , 11, 1563	О
249	Cross-Linked Ionic Liquid Polymer for the Effective Removal of Ionic Dyes from Aqueous Systems: Investigation of Kinetics and Adsorption Isotherms. <b>2022</b> , 27, 7775	O
248	Waterborne phenolic, triazine-based porous polymer particles for the removal of toxic metal ions. <b>2022</b> , 8, 100066	O
247	Efficient purification of flavonoids from bamboo shoot residues of Phyllostachys edulis by macroporous resin and their hypoglycemic activity. <b>2022</b> , 16, 100505	O
246	Preparation of highly efficient and eco-friendly alumina magnetic hybrid nanosorbent from red mud: Excellent adsorption capacity towards nitrate. <b>2022</b> , 368, 120751	O
245	Simultaneous removal of Basic blue and Toluidine blue O dyes by Magnetic Fe3O4@polydopamine nanoparticle as an efficient adsorbent using derivative spectrophotometric determination and central composite design optimization. <b>2022</b> , 146, 110203	0
244	New insights into the degradation and detoxification of methylene blue using heterogeneous-Fenton catalyzed by sustainable siderite. <b>2023</b> , 216, 114819	О
243	Preparation and water/oil separation of super-hydrophobic biomass adsorbent based on three-dimensional graphene aerogel.	O
242	Removal of Cu(II) from aqueous solution using a solâgel derived strontium ferrite nanoparticle.	О
241	Synthesis of Molecularly Imprinted Polymer Nanoparticles for Removal of Sudan III Dye. <b>2022</b> , 34, 3269-3274	Ο
240	Cd(II) removal from phenols-bearing wastewater using magnetic carbon nanotubes. <b>2022</b> , 8, 400-410	О
239	Study and optimization of the adsorption process of methylene blue dye in reusable polyaniline-magnetite composites. <b>2023</b> , 292, 117232	О
238	Performance and mechanism of sub-ppm SO2 adsorption on the alkali modified activated carbon under different humidity level. <b>2023</b> , 382, 135400	O
237	Synthesis of novel and tunable Micro-Mesoporous carbon nitrides for Ultra-High CO2 and H2S capture. <b>2023</b> , 456, 140973	O
236	Adsorption vs. surface precipitation of Cu2+ onto porous Poly(melamine-co-formaldehyde) particles. <b>2023</b> , 348, 112383	O
235	Sulfonic-functionalized MIL-100-Fe MOF for the removal of diclofenac from water. <b>2023</b> , 348, 112398	O
234	Preparation and characterization of PEGDE-EDTA-modified magnetic chitosan microsphere as an eco-friendly adsorbent for methylene blue removal. <b>2023</b> , 43, 296-302	0

233	Magnetic multi-walled carbon nanotubes as an efficient sorbent for pirimicarb removal from aqueous solutions in continuous (FBAC) and batch formats: thermodynamic, kinetic, isotherm study, optimization and modeling by RSM-ANN. <b>2023</b> , 370, 120915	o
232	Removal of cobalt (II) by dithizone-immobilized nickel slag. <b>2023</b> , 5, 100698	О
231	Ba substituted SrFe2O4 (SrBa0.3Fe1.7O4) for the removal of fluoride ions (FâII) from the drinking water. <b>2023</b> , 295, 127165	0
230	Post-treatment of matured landfill leachate: Synthesis and evaluation of chitosan biomaterial based derivatives as adsorbents. <b>2023</b> , 218, 115018	o
229	Efficient phosphate adsorption by a composite composed of Mg6Al2(CO3)(OH)16-4H2O LDH and Chitosan: kinetic, thermodynamic, desorption, and characterization studies. <b>2023</b> , 307, 122717	0
228	Highly selective and easily regenerated novel porous polyacrylonitrile-ammonium phosphomolybdate beads for cesium removal from geothermal water. <b>2023</b> , 51, 103339	o
227	Monitoring the benefits of varying the template/monomer proportion in the synthesis of an ion-imprinted polymer for Ra(II) extraction. <b>2023</b> , 5, 100049	0
226	High pressure CO2 adsorption onto Malaysian Mukah-Balingian coals: Adsorption isotherms, thermodynamic and kinetic investigations. <b>2023</b> , 218, 114905	O
225	Critical Review and Discussion of the Nonlinear Form of Radkeâ <b>P</b> rausnitz Model in Adsorption SolidâDiquid Phases. <b>2023</b> , 149,	0
224	Bioimmobilization and transformation of chromium and cadmium in the fungi-microalgae symbiotic system. <b>2023</b> , 445, 130507	О
223	Phosphate glass doped with niobium and bismuth oxides as an eco-friendly corrosion protection matrix of iron steel in HCl medium: Experimental and theoretical insights. <b>2023</b> , 938, 168570	0
222	Selective and reversible surface complexation of aqueous palladium(II) by polycarboxylate (pyromellitic acid) functionalized hybrid aerogel sorbent. <b>2023</b> , 613, 156026	o
221	A critical review on the interaction of polymer particles and co-existing contaminants: Adsorption mechanism, exposure factors, effects on plankton species. <b>2023</b> , 445, 130463	0
220	A sustainably produced hydrochar from pomegranate peels for the purification of textile contaminants in an aqueous medium. <b>2023</b> , 31, 100924	o
219	An insight into the potential of dolomite powder as a sorbent in the elimination of heavy metals: A review. <b>2023</b> , 7, 100276	1
218	Mineralogical characteristics and potential usage of Indonesian pumices as lead adsorbent in waters. <b>2022</b> ,	o
217	Ultrahigh Adsorption Capacity Zirconium-Magnesium Composite Oxide Nanoclusters Remove Malachite Green from Aqueous Media. <b>2022</b> , 2022, 1-12	0
216	A smart and sustainable adsorption-based system for decontamination of amoxicillin from water resources by the application of cellular lightweight concrete: experimental and modeling approaches.	О

215	Numerical analysis on the applicability of sorption isotherm models in aquifers and its correlation with recharged water movement. 1-9	0
214	Biochar from microwave pyrolysis of banana peel: characterization and utilization for removal of benzoic and salicylic acid from aqueous solutions.	O
213	Optimization of CO2 Sorption onto Spent Shale with Diethylenetriamine (DETA) and Ethylenediamine (EDA). <b>2022</b> , 15, 8293	0
212	Polyaniline/Glauconite Nanocomposite Adsorbent for Congo Red Dye from Textile Wastewater. <b>2022</b> , 9, 384	1
211	Enhanced Removal of Sb (III) by Hydroxy-Iron/Acidâ <b>B</b> ase-Modified Sepiolite: Surface Structure and Adsorption Mechanism. <b>2022</b> , 14, 3806	0
<b>21</b> 0	Removal of 4-Ethylphenol and 4-Ethylguaiacol, from Wine-like Model Solutions, by Commercial Modified Activated Carbons Produced from Coconut Shell. <b>2022</b> , 12, 11754	O
209	Cr(III) Ion-Imprinted Hydrogel Membrane for Chromium Speciation Analysis in Water Samples. <b>2022</b> , 8, 757	1
208	Adsorption mechanism and modeling of radionuclides and heavy metals onto ZnO nanoparticles: a review. <b>2023</b> , 13,	O
207	Precipitation of calcium-aluminum-cetyltrimethylammonium bromide nanoparticles on the sand to generate novel adsorbent for eliminating of amoxicillin from aquatic environment. <b>2022</b> ,	0
206	Biosorption of Pb (II) And Ni (II) By Protonated Industrial Waste Yeast Biomass.	O
205	Immobilization of Dithizone on Magnetic Zeolite in Less Toxic Medium and its Application as Adsorbent Cd(II) Ion in Water. 1076, 133-142	О
204	Reduction of CO2 emission through a photocatalytic process using powder and coated zeolite-supported TiO2 under concentrated sunlight irradiation.	O
203	Agro-Wastes as Low-Cost Biosorbent for Dyes Removal from Wastewater. <b>2023</b> , 149-172	О
202	Green Synthesis of Hydroxyapatite Nanoparticles Using Monoon longifolium Leaf Extract for Removal of Fluoride from Aqueous Solution. <b>2022</b> , 2022, 1-13	O
201	Performance of Dye Removal from Single and Binary Component Systems by Adsorption on Composite Hydrogel Beads Derived from Fruits Wastes Entrapped in Natural Polymeric Matrix. <b>2022</b> , 8, 795	2
200	Structure and Properties of Lignin Extracted from Cotton Stalk by Non-polluting Ethanol-Assisted Hot Water Pretreatment and its High-Value Utilization for Methylene Blue Removal.	O
199	Characterization of Arsenic (III and V) Adsorption on Natural Schwertmannite Formed in Acid Coal Mine Drainage: Batch Studies and Spectroscopic Observations. <b>2022</b> , 109170	O
198	Experimental and Numerical Studies on Usage of Soilâ <b>B</b> entonite Mixture as Clay Liner in Engineered Landfill. <b>2023</b> , 223-236	O

197	Low-cost zeolite-based sorbents prepared from industrial perlite by-product material for Zn2+ and Ni2+ removal from aqueous solutions: synthesis, properties and sorption efficiency. <b>2022</b> , 8, e12029	O
196	Evaluation of a ZnCl2-modified biochar derived from activated sludge biomass for adsorption of sulfamethoxazole. <b>2022</b> ,	O
195	Removal of bromophenol blue dye from water onto biomass, activated carbon, biochar, polymer, nanoparticle, and composite adsorbents.	O
194	Inorganic sorbents based on magnesium silicates obtained by two synthetic routes. <b>2022</b> , 81,	О
193	Removal of Reactive Black Dye in Water by Magnetic Mesoporous Carbon from Macadamia Nutshell. <b>2022</b> , 2022, 1-17	0
192	Facile synthesis of copper-substituted Prussian blue analog immobilized ion exchange resins for high-performance ammonium recovery from wastewater: Adsorption kinetics, isotherms, and regeneration. <b>2022</b> , 141128	o
191	Selective Removal of Hexavalent Chromium by Novel Nitrogen and Sulfur Containing Cellulose Composite: Role of Counter Anions. <b>2023</b> , 16, 184	2
190	Linear and Non Linear Recognition for the Sorption of 60Co and 152+154Eu Radionuclides onto Bio CuO Nanocomposite.	О
189	Layered metal sulfide NMTS for rapid removal of radioactive strontium ions from aqueous solution. <b>2022</b> , 122887	0
188	Role of Chemical Activating Agent on the Characteristics of Activated Carbon Derived from Fruit-Peel Waste for Aqueous Dye Removal. 937, 165-180	O
187	Plackettâ <b>B</b> urman experimental design of modified wood ceramics for ammonia nitrogen removal from water and response optimization of the modified wood ceramic's comprehensive performance. <b>2022</b> ,	О
186	Modified Cellulose Derived from Corncob for Removal of Cu2+ and Ni2+ from Aqueous Solution. <b>2022</b> , 233,	О
185	A Critical Review of the Removal of Radionuclides from Wastewater Employing Activated Carbon as an Adsorbent. <b>2022</b> , 15, 8818	O
184	Green synthesis of ZnFe 2 O 4 nanoparticles using Chrysanthemum spp. flower extract for the adsorption and photocatalytic degradation of malachite green dye.	О
183	Phosphorus Recovery from Aqueous Solutions using Bioclastic Granules (Lithothamnium calcareum).	o
182	Insight into Triglyceride-reducing Potential of Quercetin in Blood Plasma Environment. 2023,	О
181	Recent advancements in cadmium-microbe interactive relations and their application for environmental remediation: a mechanistic overview.	0
180	The FloryâHuggins Isotherm and Water Contaminant Adsorption: Debunking Some Modeling Fallacies. <b>2023</b> , 62, 1121-1131	О

179	Synthesis and Characterization of Sulfonated Magnetic Graphene-Based Cation Exchangers for the Removal of Methylene Blue from Aqueous Solutions.	1
178	Synthesis and characterization of a novel double network hydrogel based on gellan-gum crosslinked by octavinyl polyhedral oligomeric silsesquioxane for heavy metal removal.	O
177	Dynamic adsorption of Pb by Fe-Mg clay-quartz beds using micro-column testing. 1-35	0
176	Exploration on the role of different iron species in the remediation of As and Cd co-contamination by sewage sludge biochar.	O
175	Separation, purification, and crystallization of 1,5-pentanediamine hydrochloride from fermentation broth by cation resin. 10,	О
174	A âldero-Costâl Adsorbing Hydroxyapatite-Based Material from Amazon Fishery Waste for Water Remediation and Nutrient Release for Agriculture. <b>2023</b> , 3, 34-60	O
173	Fabrication of biodegradable fibrous systems employing electrospinning technology for effluent treatment.	1
172	Experimental measurement and modeling of asphaltene adsorption onto iron oxide and lime nanoparticles in the presence and absence of water. <b>2023</b> , 13,	O
171	Adsorption of Cu $2+$ , Cd $2+$ , and Zn $2+$ by engineered biochar: Preparation, characterization, and adsorption properties.	О
170	High Adsorption of Hazardous Cr(VI) from Water Using a Biofilter Composed of Native Pseudomonas koreensis on Alginate Beads. <b>2023</b> , 20, 1385	O
169	Quaternization of Porous Cellulose Beads and Their Use for Removal of Humic Acid from Aqueous Medium. <b>2023</b> , 3, 61-76	О
168	Synthesis of Calcium Carbonate Loaded Mesoporous SBA-15 Nanocomposites for Removal of Phosphate from Solution.	O
167	Comparative Study on Adsorption of Crystal Violet and Chromium (VI) by Activated Carbon Derived from Spent Coffee Grounds. <b>2023</b> , 13, 985	О
166	Copper Recovery from Aqueous Solutions by Hemp Shives: Adsorption Studies and Modeling. <b>2023</b> , 11, 191	O
165	Se(IV)/Se(VI) adsorption mechanisms on natural and on Ca-modified zeolite for Mediterranean soils amended with the modified zeolite: prospects for agronomic applications.	О
164	Source-normalized error analysis method for accurate prediction of adsorption isotherm: application to Cu(II) adsorption on PVA-blended alginate beads.	O
163	Preparation and Characterization of Electrospun Poly(lactic acid)/Poly(ethylene glycol)âBâBoly(propylene glycol)âBâBoly(ethylene glycol)/Silicon Dioxide Nanofibrous Adsorbents for Selective Copper (II) Ions Removal from Wastewater. <b>2023</b> , 13, 54	О
162	Mechanisms of Individual and Simultaneous Adsorption of Antibiotics and Dyes onto Halloysite Nanoclay and Regeneration of Saturated Adsorbent via Cold Plasma Bubbling. <b>2023</b> , 13, 341	1

161	Green activating silica-alumina insoluble phase of fly ash to synthesize zeolite P with high adsorption capacity for Pb(II) in solution. <b>2023</b> , 34, 103938	0
160	Preparation of an electron-rich polyimide-based hypercrosslinked polymer for high-efficiency and reversible iodine capture. <b>2023</b> , 267, 125665	Ο
159	Agro-waste based adsorbents as sustainable materials for effective adsorption of Bisphenol A from the environment: A review. <b>2023</b> , 388, 135819	1
158	A critical review of adsorption isotherm models for aqueous contaminants: Curve characteristics, site energy distribution and common controversies. <b>2023</b> , 329, 117104	2
157	Incorporation of clay-based adsorbent into polyvinylidene fluoride membrane for enhanced phosphorus capture in aqueous solution. <b>2023</b> , 190, 106867	0
156	Phenol contaminated municipal wastewater treatment using date palm frond biochar: Optimization using response surface methodology. <b>2023</b> , 9, 100202	Ο
155	Removal of Molybdenum from Contaminated Groundwater Using Carbide-Derived Carbon. <b>2023</b> , 15, 49	0
154	Influence of the Type and the Amount of Surfactant in Phillipsite on Adsorption of Diclofenac Sodium. <b>2023</b> , 13, 71	O
153	Methodical study of Chromium (VI) ions adsorption from aqueous solution using low-cost agro-waste material: Isotherm, Kinetic and Thermodynamic studies.	0
152	Fate and Transport of Lead and Copper in Calcareous Soil. <b>2023</b> , 15, 775	O
151	Adsorption of Phosphates onto Mg/Al-Oxide/Hydroxide/Sulfate-Impregnated Douglas Fir Biochar. <b>2023</b> , 11, 111	0
150	Dynamic Vapour Sorption. <b>2016</b> , 47-66	O
149	Efficient Purification of Flavonoids from Bamboo Shoot Residues of Phyllostachys Edulis by Macroporous Resin and Their Hypoglycemic Activity.	0
148	Synthesis of Ethylene Diamine Modified Tannin Polymer and Recovery of Gold(III) Ions from Electronic Wastes.	O
147	Extremely Fast and Efficient Removal of Congo Red Using Cationic-Incorporated Hydroxyapatite Nanoparticles (HAp: $X (X = Fe, Ni, Zn, Co, and Ag)$ ). <b>2023</b> , 13, 209	0
146	Biochar for sustainable drainage system. <b>2023</b> , 97-119	O
145	Calculations of adsorption-dependent refractive indices of metal-organic frameworks for gas sensing applications.	0
144	Superior removal of Tl(I) from aqueous solution by facilely engineered MnxOy@potassium-rich biowaste-biochar. <b>2023</b> , 123294	O

143	Synthesis, Characterization and Performance Evaluation of Burmese Grape (Baccaurea ramiflora) Seed Biochar for Sustainable Wastewater Treatment. <b>2023</b> , 15, 394	0
142	Mechanisms of the removal of the metal ions, dyes, and drugs from wastewaters by the electrospun nanofiber membranes. <b>2023</b> , 104625	Ο
141	Comparative biosorption of blue hair dye onto natural polysaccharides.	0
140	Evaluation of adsorption characteristics of new-generation CNT-based adsorbents: characterization, modeling, mechanism, and equilibrium study.	O
139	Analytical Determination of Cephalosporin Antibiotics Using Coordination Polymer Based on Cobalt Terephthalate as a Sorbent. <b>2023</b> , 15, 548	1
138	Preparation of Sulfhydryl Functionalized MCM-48 and Its Adsorption Performance for Cr(VI) in Water. <b>2023</b> , 15, 524	0
137	Sorption of Phosphate on Douglas Fir Biochar Treated with Magnesium Chloride and Potassium Hydroxide for Soil Amendments. <b>2023</b> , 11, 331	0
136	The Sips isotherm equation: Often used and sometimes misused. 1-9	O
135	An Eco-Friendly Modification of a Walnut Shell Biosorbent for Increased Efficiency in Wastewater Treatment. <b>2023</b> , 15, 2704	0
134	A novel multifunctional Etyclodextrin polymer as a promising sorbent for rapid removal of methylene blue from aqueous solutions. <b>2023</b> , 307, 120615	O
133	SiO2 nanospheres as surfactant and template in aqueous dispersion polymerizations yielding highly nanoporous resin particles. <b>2023</b> , 637, 372-388	0
132	Sorption Behavior and Mechanism of Phosphate onto Natural Magnesite. <b>2017</b> , 27, 166-171	O
131	Studies on Adsorption Isotherm and Adsorption Kinetics to Predict the Behavior of an Ionic Liquid Based Adsorbent in Desulfurization of Model Diesel. <b>2022</b> , 95, 1207-1217	0
130	Is there a difference between surfactant-stabilised and Pickering emulsions?. <b>2023</b> , 19, 1941-1951	O
129	Adsorption of Reactive Red 120 in Decamethyl-Cyclopentasiloxane Non-Aqueous Dyeing System. <b>2023</b> , 13, 502	0
128	Yesterday, Today, and Tomorrow. Evolution of a Sleeping Beauty: The Freundlich Isotherm. <b>2023</b> , 39, 3062-3071	O
127	Porous structure and adsorption properties of magnesium silicates synthesized by three routes. <b>2023</b> , 14, 113-120	0
126	Feather-weight cryostructured thiourea-chitosan aerogels for highly efficient removal of heavy metal ions and bacterial pathogens. <b>2023</b> , 235, 123910	1

125	Bio-Based Polyurethane Foams for the Removal of Petroleum-Derived Pollutants: Sorption in Batch and in Continuous-Flow. <b>2023</b> , 15, 1785	О
124	Enhanced adsorption of short-chain perfluorobutanoic acid by functionalized periodic mesoporous organosilica: Performance and mechanisms. <b>2023</b> , 449, 131047	О
123	Oxygen defects of MgLa-LDH enhancing electrostatic attraction and inner-sphere complexation during phosphate adsorption from wastewater. <b>2023</b> , 464, 142589	О
122	Bio-inspired sustainable synthesis of novel SnS2/biochar nanocomposite for adsorption coupled photodegradation of amoxicillin and congo red: Effects of reaction parameters, and water matrices. <b>2023</b> , 334, 117496	O
121	Ammonia capture by adsorption on doped and undoped activated carbon: Isotherm and breakthrough curve measurements. <b>2023</b> , 313, 123454	О
120	Role of magnetic substances in adsorption removal of ciprofloxacin by gamma ferric oxide and ferrites co-modified carbon nanotubes. <b>2023</b> , 638, 872-881	O
119	A novel crosslinking strategy on functional cellulose-based aerogel for effective and selective removal of dye. <b>2023</b> , 463, 142404	О
118	Zinc-doped titanium oxynitride as a high-performance adsorbent for formaldehyde in air. <b>2023</b> , 451, 131203	О
117	Enhancing lead immobilization by biochar: Creation of âBurface barrierâDia bio-treatment. <b>2023</b> , 327, 138477	О
116	Biosorption of carcinogenic metal ions using the immobilized microalgae Auxenochlorella protothecoides on a lignocellulosic matrix: Optimization, kinetic, isotherm and mechanism. <b>2023</b> , 157, 297-313	O
115	Glyphosate adsorption performances of polymer-derived SiC/C aerogels. 2023, 11, 109771	О
114	Beneficial effect of in-situ citrate-grafting of hydroxyapatite surface for water treatment. <b>2023</b> , 666, 131366	O
113	Valorization of Urtica dioica roots as a highly-effective and eco-friendly biosorbent for adsorptive removal of hazardous textile dyes. <b>2023</b> , 293, 116451	О
112	Microstructured silicon substrates impregnated with bis(2,4,4-trimethylpentyl) phosphinic acid for selective scandium recovery. <b>2023</b> , 622, 156852	1
111	Investigation on molecular cluster behavior and initiation of capillary condensation within nanoarrays. <b>2023</b> , 210, 124173	О
110	Adsorption reduction of a gemini surfactant on carbonate rocks using formic acid: Static and dynamic conditions. <b>2023</b> , 345, 128166	o
109	Adsorption data modeling and analysis under scrutiny: A clarion call to redress recently found troubling flaws. <b>2023</b> , 192, 371-388	О
108	Enhancement on the selective flotation separation of carbon coated LiFePO4 and graphite electrode materials. <b>2023</b> , 311, 123252	0

107	Adsorptive Performance of Walnut Shells Modified with Urea and Surfactant for Cationic Dye Removal. <b>2023</b> , 15, 1536	О
106	Microwave activated and iron engineered biochar for arsenic adsorption: Life cycle assessment and cost analysis. <b>2023</b> , 11, 109904	O
105	Modeling diffusion and types I-V sorption of water vapor in heterogeneous systems. <b>2023</b> , 275, 118695	О
104	Adsorption/desorption behavior of ionic dyes on sintered bone char. 2023, 297, 127405	1
103	Abundant cilantro derived high surface area activated carbon (AC) for superior adsorption performances of cationic/anionic dyes and supercapacitor application. <b>2023</b> , 459, 141577	O
102	Supporting nanoscale zero-valent iron onto shrimp shell-derived N-doped biochar to boost its reactivity and electron utilization for selenite sequestration. <b>2023</b> , 319, 137979	Ο
101	Heavy Metal Removal Using Plant Origin Biomass and Agricultural Waste-Derived Biomass from Aqueous Media: a Review. <b>2023</b> , 8,	O
100	Removal of Phosphorus with the Use of Marl and Travertine and Their Thermally Modified Formsâffactors Affecting the Sorption Capacity of Materials and the Kinetics of the Sorption Process. <b>2023</b> , 16, 1225	O
99	A novel, efficient and economical alternative for the removal of toxic organic, inorganic and pathogenic water pollutants using GO-modified PU granular composite. <b>2023</b> , 328, 121201	0
98	Magnetic CoFe2O4@HAp-GQDs nanocomposites for removal of Brilliant crysel blue dye using FCCD optimization and adsorption characterization. <b>2023</b> , 290, 116290	Ο
97	Insights into adsorption mechanisms of nitro polycyclic aromatic hydrocarbons on common microplastic particles: Experimental studies and modeling. <b>2023</b> , 320, 138050	O
96	Exploring the reusability of cuttlefish bones in sustainable waste management by green synthesis method for methylene blue dye removal. 1-16	О
95	Phosphorous removal from human urine using lateritic soil. 2023, 4, 100081	0
94	Microporous MOF-5@AC and Cu-BDC@AC Composite Materials for Methane Storage in ANG Technology. <b>2023</b> , 2023, 1-14	O
93	A systematic review of metal organic frameworks materials for heavy metal removal: Synthesis, applications and mechanism. <b>2023</b> , 460, 141710	O
92	Evaluation of microplastic contamination by metals in a controlled environment: A risk to be considered.	O
91	Production of Activated Carbons from Food/Storage Waste. <b>2023</b> , 16, 1349	1
90	Modeling Anion Poisoning during Oxygen Reduction on Pt Near-Surface Alloys. <b>2023</b> , 13, 2735-2743	O

89	Pillarization of Sumatera Bentonite by Sodium-assisted As Effective Adsorbent of Anionic Surfactants Sodium Lauryl Sulphate (SLS) Waste. <b>2023</b> , 18, 48-58	0
88	Microscopic theory of adsorption kinetics. <b>2023</b> , 158, 094107	O
87	Competitive Cation Adsorption on Electron-Irradiated Sheep Wool Changes the Fitting of Adsorption Isotherms for Single-Component Solutions. <b>2023</b> , 11, 502	0
86	Rockâ <b>f</b> luid Interactions of Alkyl Ether Carboxylate Surfactants with Carbonates: Wettability Alteration, iPotential, and Adsorption. <b>2023</b> , 37, 3723-3740	O
85	Study of adsorption of propane and propylene on CHA zeolite in different Si/Al ratios using molecular dynamics simulation. <b>2023</b> , 419, 118329	0
84	Fluoride Removal from Aqueous Solution Employing Chicken Feathers: Isotherms, Kinetics and Thermodynamics Studies. <b>2023</b> , 17,	O
83	Fluoride ion adsorption isotherms, kinetics, and thermodynamics on iron(III) oxyhydroxide powders containing cellulose nanofibrils. <b>2023</b> , 30, 48201-48210	О
82	Alginate-Based Sustainable Green Composites of Polymer and Reusable Birm for Mitigation of Malachite Green Dye: Characterization and Application for Water Decontamination. <b>2023</b> , 15, 3194	O
81	Used Filter Cartridges as Potential Adsorbents of Organic Pollutants. 2023, 15, 714	1
80	Water purification from the anion PO4-3 using (Zn/Al) di layers hydroxide. 2023,	0
79	Chitosan-based beads as sustainable adsorbents for wastewater remediation: a review.	0
78	Optimization Studies on Methyl Orange (MO) Dye Adsorption using Activated Carbon Nanoadsorbent of Ocimum basilicum Linn Leaves. <b>2023</b> , 2023, 1-14	O
77	Intensification of Lead, Copper and Antimony Removal Using Brown Algae Adsorption Coupled to Hydrodynamic Cavitation. <b>2023</b> , 15, 3453	0
76	Modeling, Simulation, Optimization, and Experimental Verification of Mercury Removal onto Natural and Sulfur-Impregnated Zeolite ClinoptiloliteâAssessment of Feasibility for Remediation of Mercury-Contaminated Soil. <b>2023</b> , 11, 606	O
75	Decolorization of Methylene Blue Solution by Employing Magnetized Artocarpus heterophyllus Fruit Peel as a Novel Adsorbent.	0
74	High capacity adsorption of oxytetracycline by lignin-based carbon with mesoporous structure: Adsorption behavior and mechanism. <b>2023</b> , 234, 123689	O
73	Modification of Multiwalled Carbon Nanotubes and Their Mechanism of Demanganization. <b>2023</b> , 28, 1870	0
72	Genetic algorithm-assisted artificial neural network modelling for remediation and recovery of Pb (II) and Cr(VI) by manganese and cobalt spinel ferrite super nanoadsorbent. <b>2023</b> , 321, 138162	0

71	Elastomeric Polyurethane Foam from Elemental Sulfur with Exceptional Mercury Capture Capability. <b>2023</b> , 62, 3492-3502	О
70	Highly ordered CaO from cuttlefish bone calcination for the efficient adsorption of methylene blue from water. 11,	O
69	Highly fluorescent composite of boron nitride quantum dots decorated on cellulose nanofibers for detection and removal of Hg(II) ions from waste water. <b>2023</b> , 234, 123728	O
68	Doffusal Olmayan Adsorpsiyon Boterm Modellerinin Hata Analizi ile Optimizasyonu. 200-212	O
67	Quantitative Studies on the Characterization and Evaluation of Adsorbed Gas and Free Gas in Deep Shale Reservoirs. <b>2023</b> , 37, 3752-3759	2
66	Multifunctional pH-responsive carbon-based hydrogel adsorbent for ultrahigh capture of anionic and cationic dyes in wastewater. <b>2023</b> , 449, 131045	O
65	A Novel Biodegradable Magnetically/Recyclable Cellulose-Based Adsorbent: Synthesis, Characterization, and Experimental Design Toward Cd(II) Removal. <b>2023</b> , 234,	O
64	Synthesis and Performance Evaluation of Novel Bentonite-Supported Nanoscale Zero Valent Iron for Remediation of Arsenic Contaminated Water and Soil. <b>2023</b> , 28, 2168	O
63	GO-Fe3O4-CeO2-CTAB nanocomposite as a high-performance adsorbent for removal of phenol from aqueous solutions. 1-22	0
62	Hybrid carbonaceous adsorbents based on clay and cellulose for cadmium recovery from aqueous solution. <b>2023</b> , 13, 6954-6965	O
61	The Use of Copper Terephthalate for the Determination and Separation of Organic Dyes via Solid-Phase Extraction with Spectrophotometric Detection. <b>2023</b> , 13, 3063	O
60	Carbon NanostructuresâBilica Aerogel Composites for Adsorption of Organic Pollutants. <b>2023</b> , 11, 232	O
59	On the adsorption of neodymium species from aqueous solution by beneficiated palygorskite. <b>2023</b> , 195, 108029	O
58	Synthesis and characterization of nanoparticles of cobalt and nickel ferrites for elimination of hazardous organic dyes from industrial wastewater. <b>2023</b> , 30, 53323-53338	O
57	Adsorptive removal of crystal violet dye by Azadirachta indica (neem) sawdust: A low-cost bio-sorbent. <b>2023</b> ,	O
56	Application of isotherms models and error functions in activated carbon CO2 sorption processes. <b>2023</b> , 354, 112513	O
55	Immobilization of mixed cells by Flaxseeds (Linum usitatissimum) extract as new nonconventional biocarrier for biodegradation of sodium dodecyl sulfate. <b>2023</b> , 193, 108881	O
54	Biocompatible Composites and Applications. 2023, 16-40	O

53	Removal of thiophene compounds from model fuel with supported copper on activated carbon, adsorption kinetics, and isotherms.	O
52	Adsorptive Removal of Direct Azo Dyes from Textile Wastewaters Using Weakly Basic Anion Exchange Resin. <b>2023</b> , 24, 4886	O
51	Amine-Functionalized Natural Rubber/Mesostructured Silica Nanocomposites for Adsorptive Removal of Clofibric Acid in Aqueous Phase. <b>2023</b> , 28, 2330	O
50	Nitrogen Doped Porous Biochar/ECD-MOFs Heterostructures: Bi-Functional Material for Highly Sensitive Electrochemical Detection and Removal of Acetaminophen. <b>2023</b> , 28, 2437	O
49	Waste-Based Ceramsite for the Efficient Removal of Ciprofloxacin in Aqueous Solutions. 2023, 20, 5042	0
48	Chromium adsorption studies using brewerâl spent grain biochar: kinetics, isotherm and thermodynamics. <b>2023</b> , 53,	O
47	Investigation on the Sulfadiazine Schiff Base Adsorption Ability of Y(III) Ions from Nitrate Solutions, Kinetics, and Thermodynamic Studies. <b>2023</b> , 41, 374-400	O
46	Pelargonium as a cost-effective Additive in Bio-composite Adsorbent in Removing dyes from Wastewater: Equilibrium, Kinetic, and Thermodynamic´studies.	O
45	Adsorption of glyphosate and metabolite aminomethylphosphonic acid (AMPA) from water by polymer-based spherical activated carbon (PBSAC). <b>2023</b> , 131211	0
44	Adsorption of BSA Protein in Aqueous Medium Using Vegetable Tannin Resin from Acacia mearnsii (Mimosa) and Modified Lignocellulosic Fibers from the Bark of Eucalyptus citriodora.	O
43	Response surface optimization for simultaneous removal of Alizarin Red S and Alizarin Yellow dyes from aqueous solution using magnetic Zn-Al-Zr layered double hydroxide. 1-11	Ο
42	Adsorption Characteristics of a Cationic Gemini Surfactant on Carbonate Outcrops: Adsorption Reduction Using Methylene Blue. <b>2023</b> , 37, 5013-5024	Ο
41	Synthesis and Evaluation of Mesoporous Silica Nanoparticle and its Application in Chemical Enhanced oil Recovery. <b>2023</b> , 8,	O
40	Sulfate Removal from Acid Mine Drainage using adsorption onto acid- activated neutralized red mud: Effect of various parameters, isotherm and kinetic studies.	O
39	A Feasibility Study on the Recall of Metallophilic Fungi from Fe(III)-Contaminated Soil and Evaluating Their Mycoremediation Capacity: Experimental and Theoretical Study. <b>2023</b> , 9, 382	0
38	Acidic modification of natural stone for Remazol Black B dye adsorption from aqueous solution-central composite design (CCD) and response surface methodology (RSM). <b>2023</b> , 9, e14743	O
37	Phosphate Ion Adsorption Characteristics of Nitrogen Doped Carbon-based Adsorbents Prepared from Sucrose, Melamine, and Urea. <b>2023</b> ,	О
36	Removal of pharmaceutical compounds from aqueous solution by clay-based synthesized adsorbents: adsorption kinetics and isotherms studies.	O

35	Effect of Modified Surface of Cotton Straw Nanocellulose and Their Application for Removal of Lead from Aqueous Solution.	О
34	Mixture of soya bean and cotton seed residuals for production of activated carbon species as efficient adsorbent in the process of wastewater decontamination via dye disposal.	O
33	Temperature Effect on the Corrosion Inhibition of Carbon Steel by Polymeric Ionic Liquids in Acid Medium. <b>2023</b> , 24, 6291	0
32	Selective purification of quercetin using covalently crosslinked chitosan.	O
31	Application of novel organic acid-modified biosorbent in the sequestration of aqueous zinc ion. <b>2023</b> , 9,	O
30	Application of xanthan gum as coagulant-aid for decolorization of synthetic Congo red wastewater. <b>2023</b> , 9, e15011	O
29	Brilliant blue FCF dye adsorption using magnetic activated carbon from Sapelli wood sawdust.	О
28	Adsorption of Precursors on Substrates in the Presence of scCO2 for the Synthesis of Supported Metallic Nanoparticles: Experiments and Modeling. <b>2023</b> , 8, 121	O
27	Valorization of biomass ash for the effective removal of dipyrone from water: an efficient and low-cost option.	О
26	Adsorption of uranium ions from aqueous solutions by graphene-based zinc oxide nanocomposites.	O
25	Smart superabsorbent alginate/carboxymethyl chitosan composite hydrogel beads as efficient biosorbents for methylene blue dye removal. <b>2023</b> , 159, 81-90	О
24	Triazine-Based Porous Organic Polymers: Synthesis and Application in Dye Adsorption and Catalysis. <b>2023</b> , 15, 1815	O
23	Study of Adsorption Efficiency of Lignite, Biochar, and Polymeric Nanofibers for Veterinary Drugs in WWTP Effluent Water. <b>2023</b> , 234,	О
22	Adsorption of nickel(II) ions from aqueous solutions using Malatya clay: Equilibrium, kinetic, and thermodynamic studies.	O
21	Waste bone char-derived adsorbents: characteristics, adsorption mechanism and model approach. <b>2023</b> , 12, 175-204	0
20	Adsorptive Dephenolization of Aqueous Solutions Using Thermally Modified Corn Cob: Mechanisms, Point of Zero Charge, and Isosteric Heat Studies. <b>2023</b> , 2023, 1-14	O
19	Citrus fruit residues as alternative precursors to developing H2O and CO2 activated carbons and its application for Cu(II) adsorption.	О
18	Effective Removal of Fe (III) from Strongly Acidic Wastewater by Pyridine-Modified Chitosan: Synthesis, Efficiency, and Mechanism. <b>2023</b> , 28, 3445	O

17	Potencial de restluo no processado proveniente da obteno do silcio metlico como adsorvente do corante vermelho de metila. <b>2023</b> , 28,	O
16	Green Synthesis of Calcium/Iron-Layered Double Hydroxides-Sodium Alginate Nanoadsorbent as Reactive Barrier for Antibiotic Amoxicillin Removal from Groundwater. <b>2023</b> , 2023, 1-12	О
15	Microbial cell wall sorption and FeâMn binding in rhizosphere contribute to the obstruction of cadmium from soil to rice. 14,	o
14	Modeling of multi-temperature IV and V-type water vapor adsorption isotherms on activated carbons for chemical protection. <b>2023</b> , 131486	O
13	Phyllite/bentonite mixture as a novel effective buffer material for a geological disposal of radioactive waste.	0
12	Research Progress on Factors Affecting Oil-Absorption Performance of Cement-Based Materials. <b>2023</b> , 16, 3166	o
11	Synthesis of alumina-carbon framework for efficient sorption of methyl orange from wastewater with factorial design and mechanisms. <b>2023</b> , 100950	0
10	Composite beads from chitosan and zeolitic imidazolate framework-8 for the adsorption and photocatalytic degradation of reactive red 141. <b>2023</b> , 13, 12295-12308	o
9	Recycling waste by manufacturing biomaterial for environmental engineering: Application to dye removal. <b>2023</b> , 102709	O
8	Contributions of adsorption, bioreduction and desorption to uranium immobilization by extracellular polymeric substances. <b>2023</b> , 17,	o
7	Functionalized nanofibers for adsorption of heavy metal ions. 2023, 459-482	0
6	A novel clay/sludge-based magnetic ceramsite: Preparation and adsorption removal for aqueous Cu(II). 1-18	o
5	PCB-waste derived resin as a binary ion exchanger for zinc removal: Isotherm modelling and adsorbent optimization.	0
4	Preparation of porous silica materials using a eucalyptus template method and its efficient adsorption of methylene blue.	O
3	Evaluation of alkaline and acidic modification of NaY zeolite for enhancing adsorptive removal of diclofenac sodium from aqueous solution. <b>2023</b> , 39, 102917	0
2	Enhancing the Adsorption of Cephalexin onto the Pristine and Iron-Impregnated Biochars via Mechanical Ball Milling. <b>2023</b> , 234,	O
1	Organo-modified Montmorillonite-based adsorbents for selective removal of Iron(II) from aqueous solutions. <b>2023</b> , 383, 122092	0