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2219	Ber die Natur der Nebenvalenzen. XVI.: Haftintensitl des Wassers in Krystallwasser-Verbindungen. 1917 , 50, 1088-1110		12
2218	Die Valenzforschung im Jahre 1916. 1917 , 30, 193-195		5

The shapes of group molecules forming the surfaces of liquids 1917 , 184, 445-446	2
LIII. Molecular frequency and molecular number. P art III. Inorganic compounds. Lindemann's Formula. 1918 , 35, 445-460	2
Ber Balloelektrizitt, Molekularkrfte und elektrische Krfte. 1920 , 367, 165-172	
2214 Electrical Discharges from Pointed Conductors. 1920 , 16, 102-125	54
The properties and molecular structure of thin films of palmitic acid on water. Part I. 1921 , 99, 336-351	42
2212 The determination of the structure of crystals. 1921 , 191, 199-230	1
Experimental researches on vegetable assimilation and respiration. XVI. The characteristics of subnormal photosynthetic activity resulting from deficiency of nutrient salts. 1922 , 94, 20-35	19
Ber die spezifische Natur und den Wirkungsmechanism us kohlehydrat- und glykosidspaltender Enzyme. 1923 , 11, 732-742	13
The Removal of Thorium from the Surface of a Thoriated Tungsten Filament by Positive Ion Bombardment. 1923 , 22, 148-160	60
2208 A discontinuity in the dehydration of certain salt hydrates. 1924 , 106, 215-222	7
2207 Die Quellung. 1924 , 316-404	20
XCIII. An experimental investigation of the dynamical equation of the process of gas-sorption. 1925 , 49, 935-944	14
Ber Adsorption Nr. II. Kinetische Theorie der Gasadsorption. 1926 , 158, 67-83	4
2204 Hall Effect in Evaporated Films of Iron, Cobalt, Nickel, Palladium, and Platinum. 1926 , 27, 474-483	10
Pure metal electrodes in electric discharge tubes and some results. 1926 , 4, 78-80	1
2202 The Magnetic Properties of Evaporated Nickel and Iron Films. 1927 , 29, 321-331	16
The Magnetic Moment of the Hydrogen Atom. 1927 , 29, 309-320	44
Die Austauschbindung als Grundlage der Aufnahme basischer und saurer Fremdsubstanzen in die Zelle. 1927 , 124, 286-325	7

Ber die Verdr	2
2198 Neuere Forschungen auf dem Gebiet der heterogenen Katalyse. 1928 , 41, 523-531	5
2197 Die Glimmentladung. 1928 , 232-258	
Theoretische und experimentelle Fortschritte auf dem Gebiete der heterogenen Gasreaktionen. 1928 , 276-341	14
Note on the Condensation of Radioactive Substances on Solid Surfaces. 1929 , 25, 344-346	
Die Wirkung verschiedener substituierter Benzoesüren und aromatischer Sulfosüren auf das Flockungsoptimum des denaturierten Serumalbumins. 1930 , 158, 29-41	3
2193 The alveolar structure of protoplasm. 1930 , 9, 177-208	14
2192 Ber chemische Sorption. IV. Komplizierter Sorptionsvorgang und Hydrolyse. 1930 , 192, 383-390	2
2191 Thermionic Emission. 1930 , 2, 381-476	224
2190 Electrical Discharges in Gases Part II. Fundamental Phenomena in Electrical Discharges. 1931 , 3, 1	91-257 236
2189 Accommodation Coefficient of Hydrogen; A Sensitive Detector of Surface Films. 1932 , 40, 78-104	47
2188 On periodic movements of the negative glow in discharge tubes. 1932 , 44, 171-189	14
2187 Weitere Untersuchung der Aminolyse des Alanins. 1932 , 15, 721-734	5
2186 Zur heterogenen Katalyse binffer Gasreaktionen. 1932 , 205, 369-397	5
2185 Die Komplexkonstante der Reaktion zwischen Novokain und Coffein. 1933 , 169, 557-575	2
2184 [Letters to the Editor]. 1933 , 132, 207-207	2
2183 The Evaporation of Atoms, Ions and Electrons from Caesium Films on Tungsten. 1933 , 44, 423-45	8 663
2182 The Ferromagnetism of Nickel Colloids. 1933 , 44, 850-853	3

2181 A THEORY OF THE RATE OF SUBLIMATION. 1933, 8, 326-331 1 2180 The Therinodynamics of Swelling. 1934, 4, 513-524 2179 The light intensity of luminous bacteria as a function of oxygen pressure. 1934, 4, 313-327 21 Photoelectric Properties of Pure and Gas-Contaminated Magnesium. 1935, 48, 734-741 29 The Contact Difference of Potential Between Tungsten and Barium. The External Work Function of 2177 72 Barium. 1935, 47, 958-964 2176 Investigations in Film Lubrication. **1936**, 133, 413-472 Residual moisture in cellulose dielectrics. 1936, 222, 345-358 1 2174 The effect of ethyl urethane on bacterial respiration and luminescence. 1936, 7, 409-415 11 2173 On the cohesive forces of liquids with simple molecules and the so called law of Stefan. 1937, 4, 1025-1033 1 Experimentelle Beitrge zur Kenntnis der Systeme Zinkoxyd/Eisenoxyd und 2172 25 Berylliumoxyd/Eisenoxyd [Aktive Oxyde und Reaktionen fester Stoffe. 110. Mitteilung]. 1938, 237, 209-325 Application of the Theory of Absolute Reaction Rates to Heterogeneous Processes I. The 2171 62 Adsorption and Desorption of Gases. 1940, 8, 659-667 FUNDAMENTAL STUDY OF CLAY: II, MECHANISM OF DEFLOCCULATION IN THE CLAY-WATER 2170 40 SYSTEM*. 1941, 24, 189-203 Der Frittungsverlauf von Aluminumpulvern im Vakuum und im Wasserstoffstrom, verfolgt durch 2169 Sorptionsmessungen. (Ber Reaktionen fester Stoffe, 133. Mitteilung). 1943, 252, 95-111 2168 Physikalische Chemie der Lacke 16. Mitteilung. 1943, 50, 481-488 2167 THE BASIC MECHANISMS OF STATIC ELECTRIFICATION. 1945, 102, 573-6 44 2166 The Heterogeneity of Catalyst Surfaces for Chemisorption. 1948, 1-26 12 2165 Surface Area Measurements a New Tool for Studying Contact Catalysts. 1948, 1, 65-90 10 2164 Organic adsorbents from Indian tannins. II. Adsorption of acids, bases and salts. 1951, 1, 520-522

2163	Ionenaustauscher als Hilfsmittel im Laboratorium. 1951 , 63, 450-457	5
2162	Factors Which Control the Staining of Tissue Sections with Acid and Basic Dyes. 1952 , 211-255	98
2161	The adsorption of oxygen from buffer solutions by cells of Escherichia coli B/r1. 1953 , 41, 407-17	1
2160	Neuere prinzipielle Bemerkungen zur heterogenen Reaktions-Kinetik. 1953 , 131, 21-38	4
2159	True and apparent activation energies of enzymic reactions. 1953 , 10, 221-9	43
2158	The Heterogeneous Oxidation of Carbon Monoxide. 1953 , 177-216	25
2157	Mathematical theory of periodic relapsing catatonia. 1954 , 16, 15-21	39
2156	PASSIVITY AND ADSORPTION. 1954 , 58, 843-854	12
2155	Decrease of the Surface Area of Raney-type Catalysts in the Aluminium dissolution Process. 1955 , 28, 182-185	3
2154	Calcination of Calcite: I, Effect of Heating Rate and Temperature on Bulk Density of Calcium Oxide. 1955 , 38, 245-251	15
2153	Adsorption of Strontium and of Barium on Tungsten. 1955 , 23, 1609-1621	67
	Adsorption of Strontium and of Barium on Tungsten. 1955 , 23, 1609-1621 The Electronic Factor in Heterogeneous Catalysis. 1955 , 7, 1-45	67
	The Electronic Factor in Heterogeneous Catalysis. 1955 , 7, 1-45	,
2152	The Electronic Factor in Heterogeneous Catalysis. 1955 , 7, 1-45	21
2152	The Electronic Factor in Heterogeneous Catalysis. 1955 , 7, 1-45 Foundations of Statistical Mechanics. 1955 , 27, 289-338	108
2152 2151 2150 2149	The Electronic Factor in Heterogeneous Catalysis. 1955, 7, 1-45 Foundations of Statistical Mechanics. 1955, 27, 289-338 Discussion on Synergy in Chemotherapy. 1956, 49, 871-882 XXI, Studies of Rectification in a Gas (Nitrogen) Discharge between Coaxial Cylindrical Electrodes II.	108
2152 2151 2150 2149	The Electronic Factor in Heterogeneous Catalysis. 1955, 7, 1-45 Foundations of Statistical Mechanics. 1955, 27, 289-338 Discussion on Synergy in Chemotherapy. 1956, 49, 871-882 XXI, Studies of Rectification in a Gas (Nitrogen) Discharge between Coaxial Cylindrical Electrodes II. Rectification in Semiozonizers. 1956, 2, 217-238	108

2145	Separation by Adsorption Methods. 1958 , 147-208	51
2144	Removal of fatty soil from glass-solvent system mechanism. 1959 , 36, 286-294	17
2143	The Kinetic Study of Surface-chemical Reactions at Extremely Low Pressures. III. The Thermal Reaction between Water Vapor and a Tungsten Filament. Part III. 1959 , 32, 848-849	5
2142	Theoretical Analysis of Diffusional Movement Through Heterogeneous Barriers**University of Wisconsin, S-hool of Pharmacy, hladison 6. 1960 , 49, 598-606	130
2141	Properties of Monolayers. 1961 , 217-281	2
2140	The adsorbed film theory and solid stabilized emulsions. 1961 , 174, 36-38	1
2139	Ionization Gauge Bakeout Procedure. 1962 , 33, 1115-1116	
2138	Adhesion in Wood) Part. II. Physico-chemical Surface Phenomena and the Thermodynamic Approach to Adhesion. 1962 , 16, 168-180	12
2137	The effect of surface tension on interfacial polycondensation. 1962 , 3, 774-778	
2136	The activation of metallic catalysts. 1962 , 11, 735-745	O
2135	Mass spectrometer investigation of gas emission from plastics. 1963 , 13, 137-143	13
2134	Plastics in pharmaceutical practice and related fields. II. 1963 , 52, 105-22	9
2133	The permeability of the cuticle of Periplaneta americana (L.) to malathion. 1963 , 9, 207-221	35
2132	A new theoretical analysis of adsorption phenomena. Introductory part: The characteristic expression of the main regular types of adsorption isotherms by a single simple equation. 1964 , 19, 685-698	32
2131	THE TRANSMISSION OF ANTIBODIES AND NORMAL GAMMA-GLOBULINS ACROSS THE YOUNG MOUSE GUT. 1964 , 160, 276-92	23
2130	PREDICTING THE EFFECT OF NONIONIC SURFACTANTS ON INTERFACIAL TENSIONS. 1965 , 54, 408-12	15
2129	EXPERIMENTAL ERROR AND RELIABILITY OF SIMPLEST EXPERIMENTS. 1965 , 8, 299-304	
2128	The separation and purification of enzymes through foaming. 1966 , 15, 498-508	41

2127 Kinetics of the thermal decomposition of calcium hydroxide. 1966 , 21, 394-404	33
Electronic configuration, molecular polarizability, mean amplitudes of vibration and thermodynamic functions of disulphur monoxide. 1966 , 20, 331-340	
2125 Positive ion currents from metal surfaces in gas ambients. 1966 , 17, 113-122	2
Studies on the mechanism and kinetics of the oxidation of copper sulphidelloxidation of copper sulphide in a fixed bed. 1967 , 22, 1091-1105	8
Sulfonamides, structure-activity relationship, and mode of action. Structural problems of the antibacterial action of 4-aminobenzoic acid (PABA) antagonists. 1968 , 57, 1455-78	79
2122 Wolution des microcircuits a substrat isolant (Dits circuits en couches minces). 1968 , 7, 53-89	
2121 Begriff und Bedeutung der Antidottherapie im Wandel der Zeiten. 1968 , 24, 1-14	1
[Analysis of the 'biologic response' relationship for the action of oxytocin and noradrenaline on the skin and bladder of the frog]. 1968 , 150, 124-30	he ₁₂
2119 PHARMACOKINETICS AND DOSE-CONCENTRATION RELATIONSHIPS. 1968 , 63-113	3
2118 A model for the adsorption of weak electrolytes on solids as a function of pH. 1969 , 31, 441-453	41
2117 Stochastic Model for Langmuir Isotherm. 1969 , 42, 563-564	1
2116 Discovery of Surface Phases by Low Energy Electron Diffraction (LEED). 1970 , 21, 151-280	55
Quantification of the binding tendencies of cholestyramine. II. Mechanism of interaction with bile salt and fatty acid salt anions. 1970 , 59, 329-33	45
2114 Factors influencing the adsorption, desorption, and movement of pesticides in soi. 1970 , 32, 29-9	2 84
Langmuir adsorption behavior with cation-induced voltages across bimolecular lipid membranes. 1971 , 241, 661-74	6
2112 Weight-watching at the university: the consequences of growth. 1972 , 175, 381-8	20
Quantum-Mechanical Studies of Atomic, Bond, and Molecular Polarizabilities: Dimanganese Iron Tetradecacarbonyl. 1972 , 5, 557-563	1
Drug-cholestyramine interactions. I. Physicochemical factors affecting in vitro binding of sodium fusidate to cholestyramine. 1972 , 61, 730-5	4

2109 Intestinal sorption of anisotropine m	nethylbromide in the rat. 1972 , 61, 1223-7	5
2108 Monte Carlo simulation of co-operat	ive adsorption of ligands onto polymers. 1972 , 35, 129-44	5
2107 Multilayer adsorption on heterogene	eous surfaces. 1972 , 6, 473-486	88
2106 An Analysis of an adiabatic adsorptio	on column. 1972 , 3, 22-34	23
Simultaneous adsorption equilibria o carbon. 1974 , 29, 1279-1282	of organic solutes in dilute aqueous solutions on activated	303
2104 A general treatment and classification	on of the solute adsorption isotherm. I. Theoretical. 1974 , 47, 755-765	1315
A general treatment and classification interpretation. 1974 , 47, 766-778	on of the solute adsorption isotherm part. II. Experimental	412
Surface phenomena at fluid-structur controlled thermonuclear reactors. 1	e interfaces and their effects on the migration of tritium in 1974, 53, 293-298	2
	nic, bond, and molecular polarizabilities: Application to ual atomic polarizability degrees of freedom. 1974 , 36, 381-399	1
	constants, statistical thermodynamics, and quantum s for the difluorides of oxygen and sulfur. 1974 , 36, 415-430	3
2099 The electrical response of turtle con-	es to flashes and steps of light. 1974 , 242, 685-727	407
2098 The effect of phosphorus and oxyge	n on the nitriding of Fe. 1975 , 23, 937-942	5
2097 Adsorption and reactions of oxytocir	on the dropping mercury electrode. 1975 , 2, 215-230	3
2096 Chemical and physical gas adsorption	n in finite multimolecular layers. 1975 , 30, 1497-1505	13
Adsorption of the organic dibasic aci unionized acids. 1975 , 52, 46-55	ds at the liquid interfaces. I. Neutral monolayers of the	19
2094 Localized charge distributions. 1975 ,	. 37, 177-216	30
ESCA studies of the composition pro Corrosion in oxygenated water. 1975	file of low temperature oxide formed on chromium steels []. 5 , 15, 697-707	90
An auger spectroscopic study of the 1976 , 55, 729-734	coadsorption of O2 + CO, and O2 + CO2 on a W(111) surface.	5

Competition, Saturation, and Inhibition-Ionic Interactions Shown by Membrane Ionic Currents in Nerve, Muscle, and Bilayer Systems. 1976 , 161-207	16
2090 Interaction between collagen and adenosine 5'-triphosphate. 1976 , 15, 949-54	2
2089 Fluorocarbon aerosol propellants IX: adsorption on activated charcoal. 1976 , 65, 56-60	
Some Further Studies of the Mechanism of Cermet Electrodeposition: Pt 1 $\rm III$ he Effect of Electrolyte on the Charge Carried by a Suspended Ceramic Particle. 1977 , 55, 136-140	12
2087 Rapid, quantitative exploration of chemical transport reactions. 1977 , 38, 213-220	12
Interparticle forces in multiphase colloid systems: the resurrection of coagulated sauce barnaise. 1977 , 270, 572-573	14
[Methionyl-tRNA synthetase from wheat embryo: dissociation into subunits (author's transl)]. 1977 , 73, 607-15	15
Adsorption Kinetics and Diffusional Mass Transfer Processes during Color Removal from Effluent Using Silica. 1978 , 17, 406-410	39
2083 Dose response to cancerogenic and mutagenic treatments. 1978 , 1, 233-244	7
2082 The perception of odor intensity: physics or psychophysics?. 1978 , 3, 73-79	8
$_{2081}$ Gypsum and anhydrite in foundations of hydraulic structures. 1978 , 28, 249-272	117
2080 Historical review: Chemisorption on metalsEetrospect and prospect. 1978 , 7, 81-100	1
Some Further Studies of the Mechanism of Cermet Electrodeposition: Part 2Variable Factors in the Process of Electrodeposition of Metal-Matrix Composites. 1978 , 56, 9-14	4
2078 References. 1979 , 212-218	
2077 Adsorption verschiedener Farbstoffe an Magnesiumhydroxid in w E iger Phase. 1979 , 7, 163-170	
2076 The flow characteristics of thin sheets of water containing sodium lauryl sulfate. 1979 , 72, 401-412	2
2075 The contact angle induced by DPL at pulmonary epithelial surfaces. 1979 , 38, 173-83	30
2074 A critical assessment of the Wilhelmy method in studying lung surfactants. 1979 , 295, 217-27	29

2073	Beobachtungen zur Selbstzerkleinerung von Kupfersulfat-Pentahydrat-Kristallen bei der stufenweisen EntwEserung. 1980 , 258, 483-488	1
2072	A study of the effect of lithium and aluminium on the thermal decomposition of nickel hydroxide. 1980 , 11, 55-60	9
2071	PHYSICAL SEPARATION PROCESSES. 1980 , 111-308	
2070	Sticky solids. 1980 , 21, 277-297	43
2069	The surface properties of TiC(001) and TiC(111) surfaces. 1981 , 82, 69-74	93
2068	Clean TiC(001) surface and oxygen chemisorption studied by work function measurement, angle-resolved X-RAY photoelectron spectroscopy, ultraviolet photoelectron spectroscopy and ion scattering spectroscopy. 1981 , 102, 312-330	85
2067	The Role of Concepts of Structure in the Development of the Physical Chemistry of Polymers. 1981 , 72, 446-456	3
2066	The influence of phytate and phosphonate on the crystal growth of fluorapatite and hydroxyapatite. 1981 , 83, 599-605	59
2065	Effects of deuterium oxide on the rate and dissociation constants for saxitoxin and tetrodotoxin action. Voltage-clamp studies on frog myelinated nerve. 1981 , 78, 113-39	31
2064	ADSORPTION OF ORGANICS FROM A TRUE IN-SITU OIL SHALE RETORT WATER ON ACTIVATED CARBON IN PACKED BEDS. 1982 , 15, 291-304	2
2063	New corrosion inhibitors based on fatty materials Epoxidized fatty materials modified with aliphatic amines. 1982 , 22, 513-523	7
2062	How many nickel atoms are involved in the CO and ethane chemisorption bonds?. 1982 , 10, 323-330	
2061	KINETICS OF ADSORPTION OF ORGANICS FROM AN ABOVE GROUND OIL SHALE RETORT WATER. 1982 , 19, 167-175	2
2060	The effect of chemical and physiological factors on the kinetics for product formation as it relates to enzyme activity and concentration, reaction time and to substrate adsorption and affinity. 1982 , 14, 1-17	15
2059	Adsorption of bismuth on silver single crystal planes and the catalysis by chloride ions. 1982 , 137, 331-339	5
2058	Movement of components in reversed-phase chromatography. 1983 , 282, 249-262	17
2057	Physical adsorption on heterogeneous solids. 1983 , 18, 149-225	171
2056	Analysis of tritiated water vapor by non-volatile liquid scintillant sorbent. 1983 , 34, 1593-5	1

2055	A teaching-laboratory experiment. 1983 , 7, 209-222	4
2054	Irreversible random and cooperative processes on lattices: Exact and approximate hierarchy truncation and solution. 1983 , 79, 5011-5022	82
2053	Humic substances. Part III. sorptive interactions with environmental chemicals□For Part II, see G. G. Choudhry, Toxicol. Environ. Chem. 4, 261 (1981) 1983 , 6, 127-171	10
2052	Vapor-Pressure Lowering in Geothermal Systems. 1983 , 23, 157-167	9
2051	Selectivity of Partial Hydrocarbon Oxidation. 1983 , 3, 305-333	8
2050	Influence on Particles in Diluted Diesel Engine Exhaust Gas. 1983,	11
2049	Measurement of adsorption isotherms by liquid chromatography. 1984 , 316, 53-68	172
2048	Prediction of the performance of preparative affinity chromatography. 1984 , 297, 179-202	361
2047	Mobile phase effects in reversed-phase chromatography VI. Thermodynamic models for retention and its dependence on mobile phase composition and temperature. 1984 , 18, 353-361	32
2046	Interaction of naproxen with cholestyramine. 1984 , 5, 33-42	10
2045	Affinity separations utilising immobilised monoclonal antibodies new tool for the biochemical engineer. 1984 , 39, 1099-1125	130
2044	Modelling of the enzymatic hydrolysis of cellobiose and cellulose by a complex enzyme mixture of Trichoderma reesei QM 9414. 1984 , 20, 176-182	22
2043	Condensation-evaporation cycles in pore and capillary systems according to the Kelvin model. 1984 , 21, 151-159	51
2042	Hydriding mechanism of Mg2Ni in the presence of oxygen impurity in hydrogen. 1985 , 20, 2958-2964	27
2041	The interaction between alkyl derivatives and elastin. 1985 , 21, 115-26	1
2040	The effects of adsorption phenomena in the evaluation of vapour-dominated geothermal reservoirs. 1985 , 14, 3-27	6
2039	Equilibrium and kinetics of many-center adsorption. 1985 , 21, 302-307	
2038	Adsorption of polymers on pigment surfaces. 1985 , 12, 265-291	2

2037	High performance displacement chromatography: Calculation and experimental verification of zone development. 1985 , 31, 400-409	74
2036	The uniqueness of the metric fibration of the 3-sphere. 1985 , 40, 247-248	
2035	The effect of the H2O/TEOS ratio on the structure of gels derived by the acid catalysed hydrolysis of tetraethoxysilane. 1985 , 72, 139-157	67
2034	Kinetics of divalent monoclonal antibody binding to tumour cell surface antigens using flow cytometry: standardization and mathematical analysis. 1985 , 22, 11-21	41
2033	Numerical Simulation of the Transient Behavior of Coal-Seam Degasification Wells. 1986 , 1, 165-183	113
2032	Preparation and solubility of northupite from brine and its adsorption properties for Cu(II) and Cd(II) in seawater. 1986 , 50, 1329-1336	10
2031	Manner of Sorption and Form of the Sorption Isotherm in Gas, Liquid, and Ion-Exchange Chromatography. 1986 , 1-33	18
2030	Determination of hydrophobicity on bacterial surfaces by nonionic surfactants. 1986 , 167, 1016-9	33
2029	Sixty years in the physical adsorption of gases. 1986 , 21, 109-124	25
2028	Theory of multicomponent chromatography a state-of-the-art report. 1986 , 373, 45-60	20
2027	Theoretical study on the catalytic activity of palladium for the hydrogenation of acetylene. 1987 , 185, 319-342	27
2026	Adsorption of Thermomonospora curvata cellulases on insoluble substrates. 1987 , 5, 101-105	1
2025	Relative affinity of Ca(II) and Mg(II) ions for human and bovine prothrombin and fragment 1. 1987 , 144, 520-7	16
2024	KINETICS OF ADSORPTION OF ORGANICS FROM WATER PRODUCED DURING IN SITU TAR SANDS EXPERIMENTS. 1987 , 50, 201-211	1
2023	Simplified model for the equilibrium adsorption of dyes from mixtures using activated carbon. 1987 , 22, 145-156	51
2022	Determination of magnesium binding to macromolecules. 1987 , 160, 468-70	4
2021	Adsorption isotherms on high-performance liquid chromatographic sorbents. I. Peptides and nucleic acid constituents on octadecyl-silica. 1987 , 406, 275-84	53
2020	Simplified description of high-performance liquid chromatographic separation under overload conditions, based on the craig distribution model. 1987 , 405, 1-29	35

2019 Surface effects in the crystal growth of calcium oxalate monohydrate. 1987 , 118, 379-386	17
2018 Some furan's derivatives as Corrosion Inhibitors for AI in HCI solutions. 1988 , 19, 413-417	1
Prediction of bisolute adsorption isotherms using single-component data for dye adsorption onto carbon. 1988 , 43, 1133-1142	38
2016 Multi-component sorption isotherms of basic dyes onto peat. 1988 , 52, 39-53	80
2015 Activated Chemisorption. 1988 , 1-64	6
Interrelations Between Thermodynamic Equations of State of Single- and Multi-Component Adsorbates. 1988 , 92, 1510-1516	6
Hopping Phenomena of [1-14C]Octadecanoic Acid Molecules at the Surface of the Langmuir B lodgett Film Regarded as an Extremely Thin Crystal. 1988 , 61, 3061-3066	5
The Mo-Co-Al2O3 System. II) Model of Adsorption of Molybdenum on Al2O3 and on Co-Al2O3. 1988, 5, 57-64	4
2011 Operational Modes of Chromatographic Separation Processes. 1989 , 93, 961-968	28
Studies of the interfacial kinetics of the reaction of CO2 with liquid iron-nickel alloys at 1873 K. 1989, 20, 755-756	3
2009 Adsorption of ammonia over halloysite activated at different temperatures. 1989 , 21, 67-84	7
2008 Water vapor adsorption and capillary reactions of silicates. 1989 , 267, 1036-1054	3
2007 Use of physical adsorption to facilitate the production of high purity oxygen. 1989 , 3, 133-138	2
2006 Gradient elution in non-linear preparative liquid chromatography. 1989 , 484, 1-27	87
High-performance liquid chromatography of amino acids, peptides and proteins. XCII Thermodynamic and kinetic investigations on rigid and soft affinity gels with varying particle and pore sizes. 1989 , 476, 205-25	55
Rapid method for determining multicomponent Langmuir parameters for displacement chromatography. 1989 , 484, 167-185	13
2003 Identifying and Estimating Desorption From Devonian Shale Gas Production Data. 1989 ,	18
2002 Topochemistry and topochemical reactions. 1990 , 8, 231-246	33

(1991-1990)

2001	Saturation-type exponential function with a deceleration term for calculating nonlinear kinetics. 1990 , 77, 435-6	4
2000	Low- and high-temperature hydrogenative ring-opening of alkyl-substituted cyclopropanes and methyloxirane over Pd/SiO2 catalyst: detection of	17
1999	Determination of competitive adsorption isotherms for modeling large-scale separations in liquid chromatography. 1990 , 499, 5-19	39
1998	Measurement of the heats of adsorption of chiral isomers on an enantioselective stationary phase. 1990 , 522, 23-36	37
1997	CHAPTER 8. SPECTROSCOPIC STUDIES OF CHEMISORPTION REACTION MECHANISMS AT OXIDE-WATER INTERFACES. 1990 , 309-364	33
1996	CHAPTER 9. MECHANISMS OF GROWTH AND DISSOLUTION OF SPARINGLY SOLUBLE SALTS. 1990 , 365-396	11
1995	Light-Induced Desorption of Cs from the CsBb Photoemissive Cathode. 1990 , 29, 1527-1532	
1994	MODIFIED BET EQUATION FOR SORPTION/DESORPTION ISOTHERMS. 1990 , 8, 811-827	11
1993	Oxygen chemisorption on transition-metal carbide (100) surfaces studied by X-ray photoelectron spectroscopy and low-energy He+ scattering. 1991 , 256, 19-26	41
1992	Characterizing the Role of Desorption in Gas Production from Devonian Shales. 1991 , 13, 337-359	15
1991	ADSORPTION OF WATER VAPOR ON MOLECULAR SIEVE 13X. 1991 , 105, 241-253	4
1990	Chapter 2 The Development of Basic Concepts of Chemical Kinetics in Heterogeneous Catalysis. 1991 , 32, 47-84	1
1989	Parameters for the Adsorption of Tungsten from Metatungstate Solution on to Alumina. 1991 , 8, 142-152	6
1988	The Effect of Short and Long Range Interactions on Break up and Dewetting of Thin Polymer Films. 1991 , 248, 393	2
1987	Adsorption of very low level carbon dioxide impurities in oxygen on a 13X molecular sieve. 1991 , 5, 16-20	5
1986	Adsorption phenomena in porous media in presence of moist air. 1991 , 18, 71-81	3
1985	Halogen-promoted 🗟 lumina I. The interactions of 36Cl- and 14C-labelled carbon tetrachloride and of 36Cl- and 2H-labelled hydrogen chloride with 🖺 lumina. 1991 , 67, 117-126	32
1984	The problem of the onset of the Henry law in physisorption on heterogeneous surfaces with Gaussian energy distribution. 1991 , 142, 409-413	1

1983	Dependence of retention on the organic modifier concentration and multicomponent adsorption behavior in reversed-phase chromatography. 1991 , 550, 411-24	23
1982	Evaluation of the application of liquid-phase titration to the examination of the adsorption activity of silica-based high-performance liquid chromatographic packings. 1991 , 552, 463-473	1
1981	Analysis of isotachic patterns in displacement chromatography. 1991 , 556, 119-143	26
1980	Influence of the mobile phase composition on the adsorption isotherms of an amino-acid derivative on immobilized bovine serum albumin. 1991 , 31, 323-328	8
1979	Foundations of vectorial metabolism and osmochemistry. 1991 , 11, 297-344; discussion 345-6	60
1978	Kinetic behaviour of a novel matrix ion exchanger, carboxymethyl-HVFM operated at high flow-rate. 1991 , 539, 255-266	6
1977	Reflections on post-OECD eutrophication models. 1991 , 218, 167-176	7
1976	Long-range spatial self-organization in the adsorbate-induced restructuring of surfaces: $Cu\{100\}$ -(2 x 1)O. 1991 , 67, 855-858	379
1975	MULTT-COMPONENT ADSORPTION OF ASPHALT FUNCTIONALITIES ON SILICA. 1992 , 10, 697-722	8
1974	Grain boundary segregation and grain-boundary heterodiffusion. 1992 , 65, 277-286	34
1973	The preparation and characterisation of silica aerogels and xerogels doped with transition metal species. 1992 , 146, 97-110	17
		17 26
	species. 1992 , 146, 97-110	
1972 1971	A comparison of the microstructural properties of silica aerogels and xerogels. 1992 , 143, 1-13	26
1972 1971	A comparison of the microstructural properties of silica aerogels and xerogels. 1992, 143, 1-13 Extension of HarkinsDura adsorption isotherm to solute adsorption. 1992, 63, 235-240	26
1972 1971 1970 1969	A comparison of the microstructural properties of silica aerogels and xerogels. 1992, 143, 1-13 Extension of HarkinsDura adsorption isotherm to solute adsorption. 1992, 63, 235-240 Surface fractal dimensions of micropore walls of active carbons. 1992, 152, 571-574 Adsorption isotherms of cholesterol and related compounds in non-aqueous reversed-phase	26 18
1972 1971 1970 1969	A comparison of the microstructural properties of silica aerogels and xerogels. 1992, 143, 1-13 Extension of HarkinsDura adsorption isotherm to solute adsorption. 1992, 63, 235-240 Surface fractal dimensions of micropore walls of active carbons. 1992, 152, 571-574 Adsorption isotherms of cholesterol and related compounds in non-aqueous reversed-phase chromatographic systems. 1992, 605, 1-17	26 18 7

1965	Reversible inhibition of osteoclastic activity by bone-bound gallium (III). 1992, 48, 401-10	33
1964	Kinetics of swelling of polymers and their gels. 1992 , 81, 467-70	118
1963	Double-substrate interactive model. 1993 , 48, 2169-2172	3
1962	Corrosion inhibition of mild steel by amphoteric surfactants derived from aspartic acid. 1993 , 44, 304-308	7
1961	Explanation of a paradoxical selectivity in friedel-crafts alkylation under heterogeneous catalysis 1993 , 34, 533-536	8
1960	Adsorption of Kluyveromyces marxianus pectinase on CM-Sephadex gels. 1993 , 15, 906-15	6
1959	Non-linear waves in chromatography. 1993 , 629, 97-122	87
1958	Neutron thermodiffractometry and synchrotron energy-dispersive diffraction studies of zirconium hydroxide calcination. 1993 , 12, 223-226	23
1957	Modeling of the adsorption behavior and the chromatographic band profiles of enantiomers. 1993 , 630, 21-35	32
1956	Kinetic lattice gas model in one dimension. 1993 , 291, 242-260	21
1955	Chapter 12 The use of adsorption methods for the assessment of the surface area and pore size distribution of heterogeneous catalysts. 1993 , 79, 419-438	1
1954	The Measurement of Mesoporosity. 1993 , 3-18	3
1953	Inhibition of corrosion of nickel in nitric acid by some azoles. 1993 , 40, 4-8	
1952	Chemical Sensing System Using Plasma Polymer Films and Pattern Recognition Algorithm. 1994 , 5, 315-320	11
1951	Parameter identification for a model of chromatographic column. 1994 , 10, 1299-1314	44
1950	Reply. 1994 , 106, 319-320	4
1949	The development of a [211At]-astatinated endoradiotherapeutic drug: Part II. Therapeutic results for transplanted adenocarcinoma of the rectum in mice and associated studies. 1994 , 29, 115-24	12
1948	Gradient elution in preparative reversed-phase liquid chromatography. 1994 , 658, 195-205	9

1947	Adsorption and desorption dynamics as seen through molecular beam techniques. 1994 , 299-300, 261-276	109
1946	Surface phases of reconstructed tungsten (100) and molybdenum (100). 1994 , 299-300, 722-730	7
1945	Reactions at well-defined surfaces. 1994 , 299-300, 742-754	187
1944	Reaktionen an FestkEper-OberflEhen. 1994 , 98, 1413-1420	3
1943	The effects of steam and carbon dioxide on calcite decomposition using dynamic X-ray diffraction. 1995 , 50, 1373-1382	101
1942	Catalysis: Closing the molecular and macroscopic sciences gap. 1995 , 50, 4027-4044	10
1941	Environmental scanning electron microscopy of activated carbon production from anthracite by one-step pyrolysis-activation. 1995 , 74, 1042-1048	18
1940	Synchrotron-related studies on the dynamic and structural aspects of zirconia synthesis for ceramic and catalytic applications. 1995 , 45, 491-508	26
1939	Purification of recombinant human basic fibroblast growth factor: stability of selective sorbents under cleaning in place conditions. 1995 , 711, 129-39	13
1938	Removal of endotoxins by affinity sorbents. 1995 , 711, 81-92	66
1937	Localization phenomena in heterogeneous chemical kinetics with respect to a geometric-probabilistic description. 1995 , 254, 1-10	10
1936	Oxidation of H-terminated Si(100) surfaces studied by high-resolution electron energy loss spectroscopy. 1995 , 77, 5125-5129	42
1935	Connection between the dynamic bulk modulus of air in a porous medium and the specific surface. 1995 , 97, 3478-3482	8
1934	Studies on Reaction Processes of Hydrogen and Oxygen Atoms with H2O-Adsorbed Si(100) Surfaces by High-Resolution Electron Energy Loss Spectroscopy. 1995 , 34, 2191-2195	21
1933	Chapter 2 Physical characterization of the silica surface. 1995 , 31-58	2
1932	Grain boundary inhomogeneity and grain boundary heterodiffusion. 1995 , 72, 829-836	15
1931	Chromatography in the downstream processing of biotechnological products. 1996 , 53, 17-59	8
1930	Gibbs adsorption and the compressibility equation. 1995 , 103, 2216-2220	

1929	Isotherm analyses for single component and multi-component metal sorption onto lignite. 1995 , 62, 17-24	192
1928	Scanning tunnelling microscopy studies of metal surfaces. 1996 , 59, 1737-1802	261
1927	The Concept of the Individual Chemical for Reacting Berthollide Compounds: The Loss of Certainty 1996, 36, 393-395	1
1926	Dynamic Aspects of Protein Adsorption onto Titanium Surfaces: Mechanism of Desorption into Buffer and Release in the Presence of Proteins in the Bulk. 1996 , 12, 1614-1621	48
1925	Adsorption studies and species characterization in catalysts obtained from aqueous solutions or phosphomolybdic acid and 🗈 lumina. 1996 , 92, 3239-3246	16
1924	Application of different isotherm models to the description of single-component and competitive adsorption data. 1996 , 734, 83-96	24
1923	Two-step chromatographic procedure for purification of basic fibroblast growth factor from recombinant Escherichia coli and characterization of the equilibrium parameters of adsorption. 1996 , 746, 17-24	18
1922	Interfacial interaction between low-energy surfaces. 1996 , 16, 97-159	188
1921	Mobile phase effects on single-component and competitive adsorption isotherms in reversed-phase systems. 1996 , 734, 125-136	21
1920	Determination of the gas-liquid partition isotherms of the enantiomers of methyl 2-chloropropionate on trichloroacetyl pentyl 世yclodextrin using the elution by characteristic points method. 1996 , 734, 155-162	7
1919	Studies on the suppression of Ge segregation during Si overgrowth on Ge(n ML)Si(100) substrates by gas-source MBE. 1996 , 163, 105-112	25
1918	A review of scuffing models. 1996 , 2, 113-131	70
1917	Probing solvent dynamics in concentrated polymer films with a high-frequency shear mode quartz resonator. 1996 , 80, 4153-4163	18
1916	Surface tension of freestanding partially fluorinated liquid-crystal films. 1996 , 53, 1662-1665	29
1915	A STUDY OF THE FLOCCULATION OF PURE GOETHTTE, QUARTZ, AND KAOLINITE AND THE SELECTIVE FLOCCULATION OF AGBAJA IRON ORE PART I. ADSORPTION OF CASSAVA STARCH ON PURE GOETHITE, QUARTZ, AND KAOLINITE. 1996 , 17, 1-12	2
1914	Potassium sorption by ca-bentonitedommonly used isotherms. 1996 , 27, 1107-1123	
1913	The 1-exp function as an alternative model of non-linear saturable kinetics. 1996 , 34, 265-71	1
1912	Nonlinear theory of multicomponent sorption dynamics and chromatography. 1996 , 65, 95-115	5

1911	Physicochemical aspects of the adsorption of sulfur dioxide by carbon adsorbents. 1996 , 65, 663-676	15
1910	Transient and steady-state microkinetic models of catalytic reactions on nonuniform surfaces. 1997 , 341-350	2
1909	Reduction of the Interfacial Tension between Poly(dimethylsiloxane) and Poly(ethylene oxide) by Block Copolymers: Effects of Molecular Architecture and Chemical Composition. 1997 , 30, 4713-4718	27
1908	Langmuir-Derived Model for Diffusion- and Reaction-Limited Adsorption of Organic Compounds on Fractal Aggregates. 1997 , 31, 2754-2760	20
1907	Principles of the adsorption theory of large molecules on nonuniform surfaces. 1997 , 46, 437-442	4
1906	Fitting competitive adsorption isotherms to the experimental distribution data in reversed-phase systems. 1997 , 762, 3-13	22
1905	Catalytic properties of a mixed calcium-cobalt orthophosphate, I. Kinetics of propan-2-ol dehydrogenation. 1997 , 62, 313-319	4
1904	A comparison of 3H-cocaine binding on melanin granules and human hair in vitro. 1997 , 110, 55-62	27
1903	Non-linear waves in chromatography III. Multicomponent Langmuir and Langmuir-like systems. 1997 , 768, 169-205	34
1902	Effects of the composition of the mobile phase on the production rate in reversed-phase overloaded chromatography. 1997 , 787, 13-25	10
1901	Adsorption methods for the characterization of porous materials. 1998, 76-77, 3-11	204
1900	Extension of a Jovanovic-Freundlich isotherm model to multicomponent adsorption on heterogeneous surfaces. 1998 , 796, 15-40	91
1899	Langmuirian parameters for Tenax GC adsorption of airborne hydrocarbons and oxygenated compounds. 1998 , 816, 195-200	6
1898	Langmuirian parameters for Tenax GC adsorption of airborne organohalogen compounds. 1998 , 823, 171-177	3
1897	The effect of base oil oxidation on scuffing. 1998 , 4, 59-66	9
1896	Geometrical probabilities in heterogeneous kinetics: 60 years of side by side development. 1998 , 24, 261-290	15
1895	Proteinase K digestion of proteins improves detection of bacterial endotoxins by the Limulus amebocyte lysate assay: application for endotoxin removal from cationic proteins. 1998 , 259, 42-7	155
1894	Selective adsorption of endotoxin inside a polycationic network of flat-sheet microfiltration membranes. 1998 , 11, 222-30	24

1893 A closer study of chiral retention mechanisms. 1998 , 10, 375-381	106
Surface Tension Obtained from Various Smectic Free-Standing Films: The Molecular Origin of Surface Tension. 1998 , 14, 4330-4341	48
1891 Isothermal Adsorption of Aflatoxin B(1) on HSCAS Clay. 1998 , 46, 599-605	140
Present State of the Art and Future Challenges in the Hydrodesulfurization of Polyaromatic Sulfur Compounds. 1998 , 345-471	294
Promoting Effect of SiOx Monolayer Coverage of TiO2 on the Photoinduced Oxidation of Cationic Surfactants. 1998 , 14, 2936-2939	36
Dramatic Effect of Single-Atom Replacement on the Surface Tension of Liquid-Crystal Compounds. 1998 , 80, 732-735	31
Isotherm Consideration of PAHs Adsorbed on Polymeric Capillary Tubing in an Aqueous Sample Preconcentration. 1998 , 33, 357-367	1
1886 A THREE-PHASE MODEL FOR SORPTION ISOTHERM IN ZEOLITE ADSORBENTS. 1998 , 163, 201-217	1
Dynamic Modeling Analysis for Control of Chemical Vapor Deposition. 1998 , 120, 164-169	О
An Integrated Spectroscopic Approach for the Characterization of Petroleum Reforming Catalysts. 1998 , 33, 1-114	1
Adsorption Equilibria of Single-Component and Multi-Component Metal Ions on to Scrap Rubber. 1998 , 16, 493-502	8
1882 Isotherm Studies for the Sorption of Metal Ions on to Peat. 1998 , 16, 51-66	28
1881 Nature of a Surface. 1999 , 40-59	
The Influence of Protein Size on Adsorption Kinetics and Equilibria in Ion-Exchange Chromatography. 1999 , 34, 2521-2538	48
Solid/liquid phase-transfer catalysis. Some models and solvent influence. 1999 , 55, 6363-6374	10
$_{1878}$ Van der Waals energy of a hydrogen atom placed between two parallel metal plates. 1999 , 269, 269-277	1
1877 In situ IR spectroscopy for developing catalysts and catalytic processes. 1999 , 19, 107-121	20
Fitting competitive adsorption isotherms to the distribution data in normal phase systems with binary mobile phases. 1999 , 831, 131-148	11

1875	Use of the steric mass action model in ion-exchange chromatographic process development. 1999 , 832, 1-9	32
1874	Isothermal moisture properties of wood-cementitious composites. 1999 , 29, 339-347	17
1873	Interfacial Properties and Partitioning of 4-Heptylbenzoic Acid between Decane and Water. 1999 , 209, 99-108	24
1872	Adsorption of Dimers at Surfaces. 1999 , 212, 301-309	7
1871	Interpretation of Physisorption Isotherms at the GasBolid Interface. 1999 , 93-115	26
1870	Introduction. 1999 , 1-26	63
1869	Enhanced Adsorption of Molecules on Surfaces of Nanocrystalline Particles. 1999 , 103, 4656-4662	217
1868	Adsorption - its development and application for practical purposes. 1999 , 120, 3-68	6
1867	Heats of Adsorption of Hydrocarbons on Zeolite Surfaces: A Mathematical Approach. 1999 , 39, 218-223	18
1866	Biosorption of Copper from Waste Waters: A Review. 1999 , 28, 87-125	219
1866 1865	Biosorption of Copper from Waste Waters: A Review. 1999, 28, 87-125 Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999, 543-566	219
	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999 , 543-566	
1865 1864	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999 , 543-566 A Comparative Analysis of the Production Characteristics of Cavity Completions and Hydraulic	4
1865 1864	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999 , 543-566 A Comparative Analysis of the Production Characteristics of Cavity Completions and Hydraulic Fractures in Coalbed Methane Reservoirs. 1999 ,	4
1865 1864 1863	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999, 543-566 A Comparative Analysis of the Production Characteristics of Cavity Completions and Hydraulic Fractures in Coalbed Methane Reservoirs. 1999, Assessment of Surface Area. 1999, 165-189 A New Approach to Interfacial Energy. 2. Interfacial Energies of Different Interfaces under the	4 4 14
1865 1864 1863 1862	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999, 543-566 A Comparative Analysis of the Production Characteristics of Cavity Completions and Hydraulic Fractures in Coalbed Methane Reservoirs. 1999, Assessment of Surface Area. 1999, 165-189 A New Approach to Interfacial Energy. 2. Interfacial Energies of Different Interfaces under the Influence of Adsorption. 1999, 103, 3593-3606 Looking for Gold in Langmuir's Data: Surface Heterogeneity Identification through Pressure Derivatives 1999, 15, 5722-5732 Analysis of Nitrogen Sorption Data of Chemically Activated Carbon by the Application of	4 4 14 7
1865 1864 1863 1862	Chapter 13 Adsorption methods for the assessment of the specific surface area, the pore size distribution and the active sites of heterogeneous catalysts. 1999, 543-566 A Comparative Analysis of the Production Characteristics of Cavity Completions and Hydraulic Fractures in Coalbed Methane Reservoirs. 1999, Assessment of Surface Area. 1999, 165-189 A New Approach to Interfacial Energy. 2. Interfacial Energies of Different Interfaces under the Influence of Adsorption. 1999, 103, 3593-3606 Looking for Gold in Langmuir's Data: Surface Heterogeneity Identification through Pressure Derivatives 1999, 15, 5722-5732 Analysis of Nitrogen Sorption Data of Chemically Activated Carbon by the Application of Adsorption Models Based on Surface Coverage and Volume Filling of Micropores. 1. Phosphoric	4 4 14 7

1857 Mucin Coating on Hydrophobic Polymer Materials. **1999**, 599, 299

1856	French contribution to the study of lubrication Oiliness, molecular influences Application to watch	1
	lubrication. 1999 , 36, 621-632	
1855	Thorium and Thorium Compounds. 2000 ,	3
1854	The role of hydration in enzyme activity and stability: 1. Water adsorption by alcohol dehydrogenase in a continuous gas phase reactor. 1996 , 49, 700-8	24
1853	Work function change of fresh scratched silicon surface due to gas adsorption. 2000 , 30, 643-645	2
1852	SiO(x) Monolayer Overcoating Effect on the TiO(2) Photocatalytic Oxidation of Cetylpyridinium Bromide. 2000 , 221, 316-319	5
1851	Mucin Adsorption to Hydrophobic Surfaces. 2000 , 224, 372-381	106
1850	Adsorption and Desorption of Triton X-100 in Polystyrene Particles with Different Functionality. 2000 , 227, 322-328	35
1849	Intermolecular Repulsions in Adsorbed Layers. 2000 , 227, 553-560	12
1848	Correlative biosorption equilibria model for a binary batch system. 2000 , 55, 817-825	48
1847	Modeling of separations by closed-loop steady-state recycling chromatography of a racemic pharmaceutical intermediate. 2000 , 867, 1-21	62
1846	Transient kinetics in heterogeneous catalysis by metals. 2000 , 163, 163-188	29
1845	Petroleum pollution sensing at ppb level using quartz crystal resonators sputtered with porous polyethylene under photo-excitation. 2000 , 64, 216-223	17
1844	Coupling of adsorption and diffusion in porous and granular materials. A 1-D example of the boundary value problem. 2000 , 70, 519-531	6
1843	Discrete versus continual description of solid state reaction dynamics from the angle of meaningful simulation. 2000 , 4, 165-179	5
1842	Work Function of Scratched Silicon Surface during O2and N2Adsorption. 2000 , 39, 4509-4511	4
1841	Adsorption of H2O, H2S, and N2 on MnZn ferrite. 2000 , 15, 2730-2736	3
1840	Kudzu as a Medium for Adsorption of Heavy Metals in Dilute Aqueous Wastestreams. 2000 , 4, 82-87	2

1839 Reasons for the cooperative effects in the haemoglobin case. **2000**, 54, 582-4

$_{1838}$ Evaluation of the adsorptive capacity of peanut hull pellets for heavy metals in solution. 2000 , 4, 19-	-29 188
Influence of calcium and other cations on surface adhesion of bacteria and diatoms: A review. 2000 , 15, 195-205	94
$_{1}8_{3}6$ Low-Surface-Energy Fluoromethacrylate Block Copolymers with Patternable Elements. 2000 , 12, 33-	-40 88
High-concentration band profiles and system peaks for a ternary solute system. 2000 , 72, 1495-502	15
Adsorption Properties of Activated Carbons Prepared from Olive Stones by Chemical and Physical Activation. 2000 , 18, 27-42	51
1833 Lattice Contraction and Surface Stress of fcc Nanocrystals. 2001 , 105, 6275-6277	207
Development of a multi-tiered approach to the in vitro prescreening of clay-based enterosorbents. 2001 , 93, 17-29	48
A Fractal Approach to Adsorption on Heterogeneous Solid Surfaces. 1. The Relationship between Geometric and Energetic Surface Heterogeneities. 2001 , 105, 10847-10856	48
Adsorption of Benzenesulfonic Acid; 3,3ß⊞Phosphinidynetris-, Trisodium Salt; and 1830 Di(Etertiobutylthiolato) Dicarbonyl, Bis(benzenesulfonic acid, 3,3ß⊞phosphinidynetris-, Trisodium Salt) Dirhodium from Aqueous Solutions on Silica. 2001 , 46, 281-285	3
Use of the Lattice Model for the Description of Adsorption Isotherms of Organic Substances from Aqueous Solution. 2001 , 19, 273-277	1
1828 Network Elucidation. 2001 , 149-194	
The History and Present State of Dubinin's Theory of Adsorption of Vapours and Gases on Microporous Solids. 2001 , 19, 1-24	13
1826 Are mitochondria mesoscopic?. 2001 , 91, 245-52	1
Reduction of the interfacial tension between Immiscible polymers: to which phase one should add a compatibilizer. 2001 , 42, 3467-3473	17
The application of kudzu as a medium for the adsorption of heavy metals from dilute aqueous wastestreams. 2001 , 78, 195-201	31
Characterization of the porous structure of two naturally occurring materials through N2-adsorption (77 K) and gas chromatographic methods. 2001 , 176, 245-252	7
$_{ m 1822}$ The use of nitrogen adsorption for the characterisation of porous materials. 2001 , 187-188, 3-9	482

1821	Surface compression in adsorption systems. 2001 , 187-188, 95-108	26
1820	On a Homogeneous Adsorption in Porous Materials. 2001 , 81, 119-124	1
1819	On Adsorption and Diffusion in Porous Media. 2001 , 81, 683-690	6
1818	Fitting adsorption isotherms to the distribution data determined using packed micro-columns for high-performance liquid chromatography. 2001 , 925, 19-29	36
1817	Description of adsorption equilibria in liquid chromatography systems with binary mobile phases. 2001 , 908, 3-17	31
1816	Size-dependent interface energy and related interface stress. 2001 , 49, 3143-3147	103
1815	Adsorptionfrom theory to practice. 2001 , 93, 135-224	1300
1814	Nitrogen adsorption isotherms on carbonaceous materials. Comparison of BET and Langmuir surface areas. 2001 , 116, 103-108	34
1813	Inhibition effect of some surface active agents on dissolution of copper in nitric acid. 2001 , 36, 133-135	18
1812	Minima in the strength of MnZn ferrites. 2001 , 16, 3575-3582	1
1811	Nucleation temperature of elements. 2002, 117, 10269-10273	33
1810	INTRINSIC SURFACE AND INTERFACE STRESS OF LOW-DIMENSIONAL CRYSTALS. 2002 , 16, 64-70	6
1809	Simplified Prediction of Reservoir Pressure in Coalbed Methane Wells. 2002,	O
1808	Investigation of the heterogeneous adsorption behavior of selected enantiomers on immobilized alpha1-acid glycoprotein. 2002 , 74, 2950-9	34
1807	Modeling the Effect of Structural Details of Nonionic Surfactants on Micellization in Solution and Adsorption onto Hydrophobic Surfaces. 2002 , 18, 8706-8713	16
1806	Sodium monolayers on thermionic cathodes. 2002 , 35, 1751-1756	27
1805	Application of an array sensor based on plasma-deposited organic film coated quartz crystal resonators to monitoring indoor volatile compounds. 2002 , 2, 422-427	15
1804	Role of surface science in catalysis. 2002 , 500, 923-946	77

1803	. 2002,	87
1802	Equilibrium adsorption of molybdosilicic acid solutions on carbon and silica: basic studies for the preparation of ecofriendly acidic catalysts. 2002 , 251, 151-9	37
1801	Equilibrium sorption isotherm for metal ions on tree fern. 2002 , 37, 1421-1430	404
1800	Surface chemistry and catalysis on well-defined epitaxial iron-oxide layers. 2002 , 70, 1-151	508
1799	Modeling of preparative reversed-phase HPLC of insulin. 2002 , 18, 796-806	21
1798	Gradient elution in normal-phase high-performance liquid chromatographic systems. 2002 , 965, 239-61	54
1797	A simple model for ordering in adsorbed layers. 2002 , 100, 2121-2137	11
1796	Spectrally resolved electronic energy transfer from silicon nanocrystals to molecular oxygen mediated by direct electron exchange. 2003 , 68,	64
1795	Experiment vs. theory in solid-state reaction kinetics: A discrete model for NH4HCO3 thermal decomposition. 2003 , 74, 211-225	2
1794	Removal of Metal Ions from Sodium Arsenate Solution Using Tree Fern. 2003 , 81, 352-356	14
1793	Kinetics of benzene adsorption onto activated carbon. 2003 , 10, 6-8	7
1792	Affinity measurement using surface plasmon resonance. 2004 , 248, 389-415	22
1791	Adsorption of citric acid from dilute aqueous solutions by hydroxyapatite. 2003 , 268, 37-42	23
1790	Adsorption isotherms and retention behavior of 1,1'-bis(2-naphthol) on CHIRIS AD1 and CHIRIS AD2 columns. 2003 , 1016, 143-54	7
1789	Analysis of the progesterone displacement of its human serum albumin binding site by beta-estradiol using biochromatographic approaches: effect of two salt modifiers. 2003 , 796, 267-81	19
1788	Adsorption Compression: An Important New Aspect of Adsorption Behavior and Capillarity. 2003 , 19, 2722-2735	27
1787	Determination of Pore Size Distribution, Surface Area, and Acidity in Fluid Cracking Catalysts (FCCs) from Nonlocal Density Functional Theoretical Models of Adsorption and from Microcalorimetry Methods. 2003 , 107, 4128-4136	40
1786	Removal of copper ions from aqueous solution by tree fern. 2003 , 37, 2323-30	527

1785 Molecu	ular Diagnosis of Infectious Diseases. 2003 ,	1
1784 Develo	opment and Application of Oil Spill Model for Singapore Coastal Waters. 2003 , 129, 495-503	37
1783 MODE	LING OF SURFACE STRESS OF SEMICONDUCTORS. 2003 , 10, 49-53	2
1782 Colum	ols on Methane Adsorption Capacity of Lower Cretaceous Coals from Northeastern British bia, Canada: Part 2 E ffect of Temperature, Pressure, Maceral Composition, and Mineral on Adsorption. 2003 , 25, 1155-1170	5
	ositional and Non-Isothermal Simulation of CO2 Sequestration in Naturally Fractured roirs/Coalbeds: Development and Verification of the Model. 2003 ,	5
1780 Dete rn	nination of kinetic data using surface plasmon resonance biosensors. 2004 , 94, 299-320	20
	onic Energy Transfer from Excitons Confined in Silicon Nanocrystals to Molecular Oxygen. 1770, 141	
1778 Basic P	Properties of Excitations in Solids. 2004 , 1-23	
1777 Genera	alized hydrodynamics and microflows. 2004 , 70, 016301	10
	nce of molecular adsorption on the dielectric properties of a single wall nanotube: a model . 2004 , 121, 9655-65	41
1775 Chapte	er 2 Fundamentals. 2004 , 40, 17-37	
1774 A fract	ional coverage model for gasBurface interaction in reciprocating sliding contacts. 2004 , 256, 73-80	9
	rium isotherm studies for the sorption of benzene, toluene, and phenol onto organo-zeolites -synthesized MCM-41. 2004 , 40, 217-229	178
1772 Pseudo	o-Isotherms Using a Second Order Kinetic Expression Constant. 2004 , 10, 151-158	104
	sensing and indoor air monitoring by quartz crystal resonators with sensory films prepared ttering of biomaterials and sintered polymers. 2004 , 20, 814-24	15
1770 Selecti		391
,,	on of optimum sorption isotherm. 2004 , 42, 2115-2116 see adsorption and reaction on Mo(110) and C/NMo(110): experiment and modeling. 2004 ,	

1767	The Use of Molecular Probes for the Characterization of Nanoporous Adsorbents. 2004 , 21, 71-79	109
1766	Nickel and cobalt sorption on anaerobic granular sludges: kinetic and equilibrium studies. 2004 , 79, 1219-1227	, ₄₁
1765	Sorption of lead ions from aqueous solution using tree fern as a sorbent. 2004 , 73, 55-61	176
1764	Dye removal from wastewater using activated carbon developed from sawdust: adsorption equilibrium and kinetics. 2004 , 113, 81-8	511
1763	Anti-coagulant rodenticide binding properties of human serum albumin: a biochromatographic approach. 2004 , 801, 221-7	18
1762	Estimation of adsorption rate coefficients based on the Smoluchowski equation. 2004 , 59, 1905-1921	13
1761	Improved model of multicomponent adsorption in reversed-phase liquid chromatography. 2004 , 1024, 9-14	10
1760	Modeling chromatographic columns non-equilibrium packed-bed adsorption with non-linear adsorption isotherms. 2004 , 1041, 77-85	36
1759	Extended Langmuir approach to analyze the telomeric sequence using a biochromatographic concept. 2004 , 519, 189-196	
1758	Synthesis and characterization of nanosilica prepared by precipitation method. 2004 , 240, 173-178	112
1757	Comparative adsorption of argon and nitrogen for the characterisation of hydrophobized surfaces. 2004 , 245, 93-98	23
1756	The adsorption of hexane over MCM-41 type materials. 2004 , 246, 1-8	46
1755	Modeling of Uptake of Xenobiotics in Plants. 2004 , 34, 147-164	6
1754	Characterization of the External Surface of Silicalites Employing Electron Paramagnetic Resonance[]?. 2004 , 108, 8040-8047	18
1753	Oligomerization of G protein-coupled receptors: past, present, and future. 2004 , 43, 15643-56	202
1752	The outermost atomic layer of thin films of fluorinated polymethacrylates. 2004 , 20, 6344-51	58
1751	Chemisorption: Site Specific Gas Adsorption. 2004 , 213-233	2
1750	Selective Removal of Copper(II) from Aqueous Solutions Using Fine-Grained Activated Carbon Functionalized with Amine. 2004 , 43, 2759-2764	106

(2005-2004)

1749	Competitive adsorption of aqueous metal ions on an oxidized nanoporous activated carbon. 2004 , 20, 4566-78	102
1748	Influences of Material Characteristics on Ibuprofen Drug Loading and Release Profiles from Ordered Micro- and Mesoporous Silica Matrices. 2004 , 16, 4160-4167	507
1747	Inhibition of acidic corrosion of pure aluminum by some organic compounds. 2004 , 46, 1129-1140	194
1746	Mineral mesopore effects on nitrogenous organic matter adsorption. 2004 , 35, 355-375	87
1745	Modelling the surface stress of alkali halides. 2004 , 84, 63-68	1
1744	Modelle zum Stickstoffhaushalt. 2004 , 1-42	
1743	Generalized hydrodynamics in the transient regime and irreversible thermodynamics. 2004, 362, 1553-65	4
1742	Fractional Coverage Model for the Adsorption and Removal of Gas Species and Application to Superlow Friction Diamond-Like Carbon. 2004 , 126, 615-619	29
1741	The Art and Science of Upscaling. 2005 , 1-39	2
1740	Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions: Part 1 Igeneral equations, parameters, and terminology. 2005 ,	13
1739	Multiple Gleichgewichte. 2005 , 5-52	
1738	Kinetics and thermodynamics of lead ion sorption on palm kernel fibre from aqueous solution. 2005 , 40, 3455-3461	157
1737	Equilibrium, kinetic and thermodynamic studies on the adsorption of phenol onto chitin. 2005, 123, 151-7	106
1736	Comparison of linear and non-linear method in estimating the sorption isotherm parameters for safranin onto activated carbon. 2005 , 123, 288-92	92
1735	Adsorption of phenol from aqueous solution by using carbonised beet pulp. 2005 , 125, 175-82	135
1734	Equilibrium biosorption isotherm for lead ion on chaff. 2005 , 125, 266-71	138
1733	Morphology of PEO/PDMS blends during shear: Coexistence of two droplet/matrix structures and additive effects. 2005 , 46, 11396-11406	3
1732	Spontaneous combustion of carbonaceous stockpiles. Part II. Factors affecting the rate of the low-temperature oxidation reaction. 2005 , 84, 1161-1170	48

1731	Pyrrole adsorption and reaction on Mo(110) and C/NMo(110). 2005 , 585, 113-122	6
1730	Regression analysis for the sorption isotherms of basic dyes on sugarcane dust. 2005 , 96, 1285-91	386
1729	Size dependent adsorption on nanocrystal surfaces. 2005 , 309, 303-307	24
1728	Study on biosorption of Cr(VI) by Mucor hiemalis. 2005 , 23, 185-192	278
1727	Removal of methylene blue by mango seed kernel powder. 2005 , 27, 83-93	221
1726	Kinetic models for the sorption of dye from aqueous solution by clay-wood sawdust mixture. 2005 , 185, 499-508	60
1725	Adsorption of transition metals in aqueous solutions by fluted pumpkin (Telfairia occidentalis Hook f) waste. 2005 , 2, 1266-76	12
1724	The interaction between Cu, Pb, Zn and Ni in their biosorption onto polyurethane-immobilised Sphagnum moss. 2005 , 80, 1297-1305	17
1723	Prediction of optimum sorption isotherm: comparison of linear and non-linear method. 2005 , 126, 198-201	79
1722	Removal of basic dye from aqueous solution using tree fern as a biosorbent. 2005 , 40, 119-124	313
1721	An Adsorption Isotherm from a Micro-state Model. 2005 , 10, 277-286	1
1720	Thermodynamics of grain boundary adsorption in binary systems with limited solubility. 2005 , 96, 1094-1098	5
1719	Multiple Equilibria. 2005 , 5-50	
1718	Grain Boundary Segregation Versus Precipitation in Grains. Effect on Diffusion. 2005 , 237-240, 502-511	2
1717	Direct optical detection of protein-ligand interactions. 2005 , 305, 17-46	21
1716	Monte Carlo simulations of hydrogen adsorption in alkali-doped single-walled carbon nanotubes. 2005 , 123, 044708	17
1715	Mechanism of adsorption in cylindrical nanopores: the roles of fluctuations and correlations in stabilizing the adsorbed phase. 2005 , 123, 174711	8
1714	A Gas-Surface Interaction Model for Spatial and Time-Dependent Friction Coefficient in Reciprocating Contacts: Applications to Near-Frictionless Carbon. 2005 , 127, 82-88	24

(2006-2005)

1713	Gas-induced variation in the dielectric properties of carbon nanotube bundles for selective sensing. 2005 , 97, 114316	37
1712	Behavior of Some Predictive Isotherm Adsorption Models Describing the Multicomponent Equilibria of Phenol/o-Cresol in a Reversed-Phase Chromatographic System. 2005 , 28, 1617-1649	1
1711	Comment on "Modeling maximum adsorption capacities of soot and soot-like materials for PAHs and PCBs". 2005 , 39, 381-2; author reply 383-4	19
1710	Flat orientation of hydrophobic cores induced by two-dimensional confinement of flexible bolaamphiphiles at the air-water interface. 2005 , 21, 10324-7	12
1709	Structure, Morphology, Physical Formats and Characterization of Polymer Supports. 2005 , 1-52	1
1708	Adsorption behavior of repulsive molecules. 2005 , 109, 10189-93	9
1707	Adsorption of aqueous metal ions on oxygen and nitrogen functionalized nanoporous activated carbons. 2005 , 21, 3892-902	110
1706	Protein-Ligand Interactions. 2005,	31
1705	Sorption of poly(hexamethylenebiguanide) on cellulose: mechanism of binding and molecular recognition. 2006 , 22, 5636-44	68
1704	In vitro and in vivo assessment of humic acid as an aflatoxin binder in broiler chickens. 2006 , 85, 1576-83	50
1703	Utilization of Sawdust-Based Materials as Adsorbent for Wastewater Treatment. 2006 , 45, 821-827	7
1702	Preparation of a New Adsorbent Based on Wood Pulp for the Removal of Direct Blue 2 from Aqueous Solutions. 2006 , 45, 779-783	5
1701	Observation of the desorption of mineral nanoparticles from a hybrid Langmuir monolayer: an in situ grazing incidence X-ray (GIXOS) study. 2006 , 2, 54-56	7
1700	Biosorption of Zinc from Aqueous Solutions by Rice Bran: Kinetics and Equilibrium Studies. 2006 , 41, 747-756	60
1699	Size-dependent interface energy. 2006 , 88, 091914	40
1698	Removal of Safranin Basic Dye from Aqueous Solutions by Adsorption onto Corncob Activated Carbon. 2006 , 45, 7627-7632	117
1697	Study on the surface density of surface-active substances through total-reflection X-ray absorption fine structure measurement. 2006 , 22, 8403-8	8

1695	Characterization and Properties of Manganese Oxide Coated Zeolite as Adsorbent for Removal of Copper(II) and Lead(II) Ions from Solution. 2006 , 51, 534-541	100
1694	The quantitative analysis of drug-receptor interactions: a short history. 2006 , 27, 149-57	86
1693	Diffusion of water and methanol vapour in hydrated Portland cement paste. 2006, 18, 153-160	
1692	Sorption of Lead Ions from Aqueous Solution by Chickpea Leaves, Stems and Fruit Peelings. 2006 , 24, 269-282	5
1691	Removal of Copper(II) Ions from Aqueous Solutions Using Natural Kaolinite. 2006 , 24, 517-530	22
1690	The Brfisted Equation: The Universal Equation?. 2006 , 31, 221-248	7
1689	X-ray photoelectron spectroscopic study of the surface chemistry of soda-lime glass in vacuum. 2006 , 38, 648-651	7
1688	Removal of fluoride from an aqueous solution by using montmorillonite. 2006 , 201, 267-276	159
1687	Copper removal by dry and re-hydrated biomass of Spirulina platensis. 2006 , 97, 1756-60	59
1686	Kinetic studies of protein-surface interactions: A two-stage model of surface-induced protein transitions in adsorbed biofilms. 2006 , 348, 222-31	40
1685	Size-dependent thermodynamic criterion for the thermal stability of binary immiscible metallic multilayers. 2006 , 252, 3993-3996	6
1684	Performance and mechanism in binding of Reactive Orange 16 to various types of sludge. 2006 , 28, 208-214	57
1683	Reply to the comments on Btudy on biosorption of Cr(VI) by Mucor hiemalisDby YS. Ho, Biochem. Eng. J. 26 (2005) 82B3. 2006 , 30, 222-223	2
1682	Biosorption thermodynamics of cadmium on coconut copra meal as biosorbent. 2006 , 30, 117-123	206
1681	Equilibrium and kinetic modelling of methylene blue biosorption by pretreated dead streptomyces rimosus: Effect of temperature. 2006 , 119, 121-125	68
1680	Performance, kinetics and equilibrium in biosorption of anionic dye Reactive Black 5 by the waste biomass of Corynebacterium glutamicum as a low-cost biosorbent. 2006 , 121, 37-43	70
1679	Arsenic adsorption onto iron oxide-coated cement (IOCC): Regression analysis of equilibrium data with several isotherm models and their optimization. 2006 , 122, 93-106	356
1678	Kinetic modelling of the adsorption of nitrates by ion exchange resin. 2006 , 125, 111-117	156

(2006-2006)

1677	Determination of the single wall carbon nanotube opening ratio by means of rare gas adsorption. 2006 , 423, 183-186	8
1676	Characteristics of phenol and chlorinated phenols sorption onto surfactant-modified bentonite. 2006 , 298, 39-49	146
1675	Removal of phenol from aqueous phase by using neutralized red mud. 2006 , 300, 498-503	130
1674	Pseudo-second-order model for lead ion sorption from aqueous solutions onto palm kernel fiber. 2006 , 129, 137-42	270
1673	Isotherm parameters for basic dyes onto activated carbon: comparison of linear and non-linear method. 2006 , 129, 147-50	98
1672	Equilibrium data, isotherm parameters and process design for partial and complete isotherm of methylene blue onto activated carbon. 2006 , 134, 237-44	81
1671	Equilibrium and thermodynamic parameters of single and binary mixture biosorption of lead (II) and copper (II) ions onto Pseudomonas putida: effect of temperature. 2006 , 135, 87-93	153
1670	Adsorption of copper ions onto microwave stabilized heavy metal sludge. 2006 , 136, 338-44	25
1669	Pseudo second order kinetics and pseudo isotherms for malachite green onto activated carbon: comparison of linear and non-linear regression methods. 2006 , 136, 721-6	94
1668	A note on the comments by Dr. Y.S. Ho on "Remediation of soil contaminated with the heavy metal (Cd(2+))". 2006 , 136, 993-4	5
1667	Removal of copper from aqueous solution using Ulva fasciata spa marine green algae. 2006 , 137, 367-73	72
1666	Removal of copper(II) and lead(II) from aqueous solution by manganese oxide coated sand II. Equilibrium study and competitive adsorption. 2006 , 137, 480-8	85
1665	Removal of methylene blue from aqueous solution by chaff in batch mode. 2006 , 137, 550-7	182
1664	Biosorption of copper and lead ions by waste beer yeast. 2006 , 137, 1569-76	191
1663	Removal of congo red from aqueous solution by adsorption onto acid activated red mud. 2006 , 138, 409-15	260
1662	Relation between some two- and three-parameter isotherm models for the sorption of methylene blue onto lemon peel. 2006 , 138, 633-5	94
1661	Removal of toxic metal-ion pollutants from water by using chemically modified carbon powders. 2006 , 1, 614-22	23
1660	Simulaaneous ethanol and cellobiose inhibition of cellulose hydrolysis studied with integrated equations assuming constant or variable substrate concentration. 2006 , 134, 27-38	19

1659	Evaluation of the applicability of Jfittili method to volumetric sorption measurements. 2006, 86, 43-45	3
1658	Reply to Comments on Chitosan functionalized with 2[-bis-(pyridylmethyl) aminomethyl]4-methyl-6-formyl-phenol: Equilibrium and kinetics of copper(II) adsorption[by Yuh-Shan Ho: Discussion on pseudo second order kinetic expression. 2006 , 47, 1772-1773	3
1657	Removal of basic dye (Astrazon Blue FGRL) using macroalga Caulerpa lentillifera. 2006, 78, 268-74	93
1656	Comparative analysis of linear and non-linear method of estimating the sorption isotherm parameters for malachite green onto activated carbon. 2006 , 136, 197-202	114
1655	Mucin at solution/air and solid/solution interfaces. 2006, 293, 263-9	9
1654	Adsorption of reactive dyes on titania-silica mesoporous materials. 2006 , 299, 305-20	137
1653	Anisotropy of segregation at grain boundaries and surfaces. 2006 , 37, 2595-2620	121
1652	Can P-glycoprotein influence the bioavailability of iminosugar-based glucosylceramide synthase inhibitors?. 2006 , 530, 195-204	3
1651	Equilibrium modeling of removal of cadmium ions by olive stones. 2006 , 25, 261-266	17
1650	Preparation and Utilization of Cationized Sawdust. 2006 , 45, 395-401	8
1649	Magnetic field effects on inhibition of aluminium corrosion by cationic surfactant in acidic solution. 2006 , 41, 235-239	7
1648	Receptor-agonist interactions in service-theoretic perspective, effects of molecular timing on the shape of dose-response curves. 2006 , 26, 1-34	6
1647	Modification of Sodium Alginate for the Removal of Cd(II) from Aqueous Solutions. 2006, 45, 707-712	7
1646	Removal of Copper (II) Ions from Aqueous Solutions using Na-mordenite. 2007 , 42, 1215-1230	15
1645	Adsorption kinetics, thermodynamics and desorption of natural dissolved organic matter by multiwalled carbon nanotubes. 2007 , 42, 1543-52	62
1644	Molecular dynamics of arachidic acid monolayers. 2007 , 6537, 168	
1643	Reactions on Surfaces. 2007 , 251-272	1
1642	Removal of Disperse Dyes from Aqueous Solution Using Sawdust and BDTDA-Sawdust. 2007 , 28, 1066-1071	5

1641 Grand Canonical Monte-Carlo simulations for VOCs adsorption in non-polar zeolites. 2007 , 7, 228	4
Modeling the Tribochemical Aspects of Friction and Gradual Wear of Diamond-Like Carbon Films. 2007 , 74, 23	10
Characterization of granular metal oxide semiconductor gas sensitive layers by using Hall effect based approaches. 2007 , 40, 7217-7237	25
Measurement of the dc resistance of semiconductor thin filmgas systems: Comparison to several transport models. 2007 , 102, 083714	2
Adsorption of Carboxymethylated Polyethyleneimine (CM-PEI) on a Microporous Activated Carbon. 2007 , 119, 103-106	1
Adsorption Characteristics of Uranyl Ions on Carboxymethylated Polyethyleneimine (CM-PEI) / Activated Carbon Composites. 2007 , 124-126, 1257-1260	1
Binding kinetics of darunavir to human immunodeficiency virus type 1 protease explain the potent antiviral activity and high genetic barrier. 2007 , 81, 13845-51	135
Preparation and Cu(II) Complexation Characteristics of Carboxymethylated Polyethyleneimine (CM-PEI) / Microporous Activated Carbon Composite. 2007 , 119, 303-306	
Pt(IV) Adsorption Characteristics of Nanoporous Carbons Modified with Carboxymethylated Polyethyleneimine. 2007 , 124-126, 1781-1784	1
1632 Chemical Reaction Models. 2007 , 3-37	
1632 Chemical Reaction Models. 2007 , 3-37 1631 Binding Isotherms. 2007 , 47-78	
	210
Binding Isotherms. 2007, 47-78 Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions []	21 0
Binding Isotherms. 2007, 47-78 Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions [] Part 1: General equations, parameters, and terminology. 2007, 7, 5989-6023	
Binding Isotherms. 2007, 47-78 Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions Part 1: General equations, parameters, and terminology. 2007, 7, 5989-6023 Historical sources of science-as-social-practice: Michael Polanyi's Berlin. 2007, 37, 409-434	5
Binding Isotherms. 2007, 47-78 Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions Part 1: General equations, parameters, and terminology. 2007, 7, 5989-6023 Historical sources of science-as-social-practice: Michael Polanyi's Berlin. 2007, 37, 409-434 Using Wireline Formation Evaluation Tools To Characterize Coalbed Methane Formations. 2007,	5
Binding Isotherms. 2007, 47-78 Kinetic model framework for aerosol and cloud surface chemistry and gas-particle interactions II Part 1: General equations, parameters, and terminology. 2007, 7, 5989-6023 Historical sources of science-as-social-practice: Michael Polanyi's Berlin. 2007, 37, 409-434 Using Wireline Formation Evaluation Tools To Characterize Coalbed Methane Formations. 2007, Defluoridation of wastewaters using waste carbon slurry. 2007, 41, 3307-16 Ammonia removal from pretreated methane fermentation effluent through a soil trench system: a	5 5 346

1623	Interparticle coupling effect on the surface plasmon resonance of gold nanoparticles: from theory to applications. 2007 , 107, 4797-862	2094
1622	Sorption of chlorhexidine on cellulose: mechanism of binding and molecular recognition. 2007 , 111, 8775-84	55
1621	Pomegranate husk as an adsorbent in the removal of toxic chromium from wastewater. 2007 , 23, 409-425	32
1620	Adsorption of Fluoride from Aqueous Solution by a Synthetic Iron(III)Aluminum(III) Mixed Oxide. 2007 , 46, 5346-5356	187
1619	A study on the adsorption mechanism of mercury on Aspergillus versicolor biomass. 2007, 41, 8281-7	163
1618	Kinetics and thermodynamics study of lead adsorption on to activated carbons from coconut and seed hull of the palm tree. 2007 , 4, 11-17	121
1617	Comparative thermodynamic analysis of cyclic nucleotide binding to protein kinase A. 2007 , 388, 163-72	19
1616	Adsorption of Methylene Blue from Aqueous Solutions on a Moroccan Clay. 2007 , 52, 1621-1625	68
1615	Adsorption isotherms for dilute solutions via the mean force method. 2007 , 33, 655-666	5
1614	Visualization of Dyeing based on Diffusion and Adsorption Theories. 2007,	9
1613	Factors Affecting on the Sorption/Desorption of Eu (III) using Activated Carbon. 2007, 42, 3657-3680	59
1612	Lipolytic enzymes with improved activity and selectivity upon adsorption on polymeric nanoparticles. 2007 , 8, 3047-53	49
1611	A Full Analytical Solution for the SorptionDesorption Kinetic Process Related to Langmuir Equilibrium Conditions. 2007 , 111, 1816-1819	5
1610	Adsorption Kinetics in a Dual-Inlet Channel Flow Cell: I. Cetyl Pyridinium Chloride on Hydrophilic Silica. 2007 , 111, 12289-12304	3
1609	Equilibrium adsorption isotherms for basic dyes onto lignite. 2007 , 45, 291-302	72
1608	Ions at the Surface of a Room-Temperature Ionic Liquid. 2007 , 111, 7682-7691	55
1607	Surface chemistry of room-temperature ionic liquids. 2007 , 9, 3683-700	138
1606	Assessment of measurement uncertainty via observation equations. 2007 , 44, 464-475	55

1605 On the retention of n-butylamine by crystalline and fibrous cerium(IV) phosphate. **2007**, 42, 83-94

1604 Nitrogen removal of pretreated anaerobic digestion effluent in a soil column. 2007 ,	
Pore structures in an implantable solgel titania ceramic device used in controlled drug release applications: A modeling study. 2007 , 253, 5767-5771	19
1602 Biosorption of chromium by Termitomyces clypeatus. 2007 , 60, 46-54	108
1601 Dye adsorption by prehydrolysed beech sawdust in batch and fixed-bed systems. 2007 , 98, 1208-17	115
1600 High performance biosorbent (Caulerpa lentillifera) for basic dye removal. 2007 , 98, 1567-72	82
Equilibrium and kinetic modelling of iron adsorption by eggshells in a batch system: effect of temperature. 2007 , 206, 127-134	74
1598 Aspects of cationic dye molecule adsorption to palygorskite. 2007 , 214, 327-342	150
Isotherms for Malachite Green onto rubber wood (Hevea brasiliensis) sawdust: Comparison of linear and non-linear methods. 2007 , 72, 124-129	93
Equilibrium sorption of anionic dye from aqueous solution by palm kernel fibre as sorbent. 2007 , 74, 60-66	168
Batch adsorber design for different solution volume/adsorbent mass ratios using the experimental equilibrium data with fixed solution volume/adsorbent mass ratio of malachite green onto orange peel. 2007 , 74, 590-594	57
Optimum sorption isotherm by linear and non-linear methods for malachite green onto lemon peel. 2007 , 74, 595-597	192
Reply to Comments on An adsorption and kinetic study of lac dyeing on silk by Yuh-Shan Ho: Discussion on pseudo second order kinetic expression. 2007 , 75, 253-254	3
1592 Adsorption of zinc from aqueous solution using marine green algae��lva fasciata sp 2007 , 129, 161-166	80
1591 Sorptive response profile of an adsorbent in the defluoridation of drinking water. 2007 , 133, 273-281	59
Removal of uranium(VI) from aqueous solutions by manganese oxide coated zeolite: discussion of adsorption isotherms and pH effect. 2007 , 93, 127-43	227
Sorption of Cd(II) onto kaolin as a soil component and desorption of Cd(II) from kaolin using rhamnolipid biosurfactant. 2007 , 139, 50-6	68
$_{15}88$ Biosorption of methylene blue from aqueous solution by fallen phoenix tree's leaves. 2007 , 141, 156-62	189

1587	Evaluation of Fuller's earth for the adsorption of mercury from aqueous solutions: a comparative study with activated carbon. 2007 , 142, 165-74	104
1586	Removal of boron from aqueous solution by using neutralized red mud. 2007 , 142, 412-7	117
1585	Determination of kinetic and equilibrium parameters of the batch adsorption of Ni(II) from aqueous solutions by Na-mordenite. 2007 , 142, 468-76	110
1584	Equilibrium, kinetics and mechanism modeling and simulation of basic and acid dyes sorption onto jute fiber carbon: Eosin yellow, malachite green and crystal violet single component systems. 2007 , 143, 311-27	198
1583	Methylene blue adsorption from aqueous solution by dehydrated peanut hull. 2007, 144, 171-9	184
1582	Adsorption of arsenic from aqueous solution on synthetic hydrous stannic oxide. 2007 , 144, 522-31	94
1581	Mass transfer, kinetics and equilibrium studies for the biosorption of methylene blue using Paspalum notatum. 2007 , 146, 214-26	131
1580	Removal of methylene blue from aqueous solution by dehydrated wheat bran carbon. 2007 , 146, 262-9	163
1579	Modeling of adsorption isotherms of phenol and chlorophenols onto granular activated carbon. Part I. Two-parameter models and equations allowing determination of thermodynamic parameters. 2007 , 147, 381-94	647
1578	Removal of toxic chromium from wastewater using green alga Ulva lactuca and its activated carbon. 2007 , 148, 216-28	264
1577	Use of beta-cyclodextrin and starch based polymers for sorption of Congo red from aqueous solutions. 2007 , 148, 303-10	102
1576	Biosorption of Astrazone Blue basic dye from an aqueous solution using dried biomass of Baker's yeast. 2007 , 148, 402-8	95
1575	Simulation of methylene blue adsorption by salts-treated beech sawdust in batch and fixed-bed systems. 2007 , 149, 8-17	53
1574	Biosorption of Reactive Red-120 dye from aqueous solution by native and modified fungus biomass preparations of Lentinus sajor-caju. 2007 , 149, 499-507	113
1573	Kinetic and equilibrium models for biosorption of Cr(VI) on chemically modified seaweed, Cystoseira indica. 2007 , 42, 1521-1529	108
1572	Adsorption thermodynamic and kinetic studies of Pb(II) removal from water onto a versatile Al2O3-supported iron oxide. 2007 , 55, 23-29	102
1571	Removal of lead ions from aqueous solution by retorted shale. 2007 , 56, 348-353	16
1570	Adsorption of natural organic matter by carbon nanotubes. 2007 , 58, 113-121	193

(2008-2007)

1569	biomolecules. 2007 , 3, 580-4	15
1568	A single layer moisture absorption theory as a basis for the stability and availability of moisture in dehydrated foods. 2007 , 6, 193-201	9
1567	Adsorption studies on the treatment of textile dyeing effluent by activated carbon prepared from olive stone by ZnCl2 activation. 2007 , 123, 106-114	37
1566	Absorption of phenol and methylene blue by activated carbon from pecan shells. 2007 , 69, 355-359	20
1565	Role of structural and macrocrystalline factors in the desolvation behaviour of cortisone acetate solvates. 2007 , 90, 39-47	12
1564	Cobalt and zinc removal from aqueous solution by chemically treated bentonite. 2007, 27, 357-363	30
1563	Comparative ion-exchange characterization of zeolitic and clayey materials for pedotechnical applications Part 1: interaction with noxious cations. 2007 , 14, 349-356	13
1562	Adsorption kinetics of fluoride on iron(III)-zirconium(IV) hybrid oxide. 2007, 13, 83-94	100
1561	Obtaining surface tension from contact angle data by the individual representation approach. 2007 , 285, 1009-1018	6
1560	Sorption isotherm for safranin onto rice husk: Comparison of linear and non-linear methods. 2007 , 72, 130-133	106
1559	Sorption dynamics and isotherm studies of methylene blue uptake on to palm kernel fibre. 2007 , 126, 35-43	90
1558	Adsorption of Direct Red 2 on bentonite modified by cetyltrimethylammonium bromide. 2008 , 136, 295-305	125
1557	Biosorption of hexavalent chromium by chemically modified seaweed, Cystoseira indica. 2008 , 137, 480-488	107
1556	Chemical modification of multiwalled carbon nanotubes for sorption of Zn2+ from aqueous solution. 2008 , 139, 462-468	91
1555	Adsorption of humic acid from aqueous solutions on crosslinked chitosan-epichlorohydrin beads: kinetics and isotherm studies. 2008 , 65, 18-24	106
1554	Kinetics, isotherm and thermodynamics for Cr(III) and Cr(VI) adsorption from aqueous solutions by crystalline hydrous titanium oxide. 2008 , 40, 67-77	139
1553	The solid[]quid extraction of yttrium from rare earths by solvent (ionic liquid) impreganated resin coupled with complexing method. 2008 , 63, 61-68	86
1552	Biosorption of Chromium (III) and Chromium (VI) by Untreated and Pretreated Cassia fistula Biomass from Aqueous Solutions. 2008 , 191, 139-148	35

1551	Numerical gradient methods for flux identification in a system of conservation laws. 2008 , 60, 293-317	5
1550	Biosequestering potential of Spirulina platensis for uranium. 2008 , 57, 508-14	10
1549	Disordered proteins: biological membranes as two-dimensional aggregation matrices. 2008 , 52, 175-89	42
1548	Computer analyses of new numerical methods for the description of adsorption process and the reliability of identification of microporous structure parameters. 2008 , 14, 183-200	15
1547	Nanostructured ceria: a comparative study from X-ray diffraction, Raman spectroscopy and BET specific surface measurements. 2008 , 205, 1534-1539	44
1546	Biosorption of methylene blue from aqueous solution by softstem bulrush (Scirpus tabernaemontani Gmel.). 2008 , 83, 1639-1647	11
1545	Adsorption behavior of Congo red from an aqueous solution on 4-vinyl pyridine grafted poly(ethylene terephthalate) fibers. 2008 , 107, 2846-2853	29
1544	Use of methacrylic acid grafted poly(ethylene terephthalate) fibers for the removal of basic dyes from aqueous solutions. 2008 , 110, 30-38	20
1543	Modeling and sensitivity analysis of dyes adsorption onto natural adsorbent from colored textile wastewater. 2008 , 109, 4043-4048	7º
1542	Isotherm modeling for biosorption of Cu(II) and Ni(II) from wastewater onto brown seaweed, Cystoseira indica. 2008 , 54, 3291-3302	15
1541	Enhanced fluoride sorption using La(III) incorporated carboxylated chitosan beads. 2008, 322, 375-83	160
1540	Application of chitosan, a natural aminopolysaccharide, for dye removal from aqueous solutions by adsorption processes using batch studies: A review of recent literature. 2008 , 33, 399-447	1573
1539	Reaction dynamics of H2 on Si. Ab initio supported model calculations. 2008 , 83, 263-336	35
1538	Urease immobilization on biotinylated polypyrrole coated ChemFEC devices for urea biosensor development. 2008 , 29, 192-201	7
1537	Plasma-deposited copper phthalocyanine: A single gas-sensing material with multiple responses. 2008 , 131, 496-503	11
1536	Limit theorems for hybridization reactions on oligonucleotide microarrays. 2008 , 99, 2082-2095	1
1535	Heterogeneous photocatalytic treatment of organic dyes in air and aqueous media. 2008 , 9, 171-192	580
1534	A comparative study for the sorption of Cd(II) by K-feldspar and sepiolite as soil components, and the recovery of Cd(II) using rhamnolipid biosurfactant. 2008 , 88, 383-92	45

1533	Selective sorption of fluoride using Fe(III) loaded carboxylated chitosan beads. 2008, 129, 503-509	78
1532	Effect of metal ion loaded in a resin towards fluoride retention. 2008 , 129, 645-653	39
1531	Adsorption of malachite green from aqueous solution onto carbon prepared from Arundo donax root. 2008 , 150, 774-82	237
1530	Comparisons of sorbent cost for the removal of Ni2+ from aqueous solution by carbon nanotubes and granular activated carbon. 2008 , 151, 239-46	109
1529	Isotherms and thermodynamics by linear and non-linear regression analysis for the sorption of methylene blue onto activated carbon: comparison of various error functions. 2008 , 151, 794-804	133
1528	Treatment of wastewater containing toxic chromium using new activated carbon developed from date palm seed. 2008 , 152, 263-75	112
1527	Reactive dyes remotion by porous TiO2-chitosan materials. 2008 , 152, 765-77	105
1526	Removal of hazardous dye congored from waste material. 2008 , 152, 942-8	99
1525	Insights into isotherm making in the sorptive removal of fluoride from drinking water. 2008, 152, 976-85	75
1524	Removal of lead ions in aqueous solution by hydroxyapatite/polyurethane composite foams. 2008 , 152, 1285-92	148
1523	Kinetic and thermodynamic studies of the biosorption of Cr(VI) by Pinus sylvestris Linn. 2008, 153, 52-9	78
1522	The removal of Basic Blue 3 from aqueous solutions by chitosan-based adsorbent: batch studies. 2008 , 153, 96-106	156
1521	Enhanced fluoride sorption by mechanochemically activated kaolinites. 2008, 153, 164-72	169
1520	Kinetics and equilibrium studies of malachite green adsorption on rice straw-derived char. 2008 , 153, 701-8	189
1519	Comparison of various error functions in predicting the optimum isotherm by linear and non-linear regression analysis for the sorption of basic red 9 by activated carbon. 2008 , 150, 158-65	78
1518	A comparative study of the adsorption and desorption of o-xylene onto bentonite clay and alumina. 2008 , 153, 852-9	132
1517	Batch removal of malachite green from aqueous solutions by adsorption on oil palm trunk fibre: equilibrium isotherms and kinetic studies. 2008 , 154, 237-44	248
1516	A comparative study for the sorption of Cd(II) by soils with different clay contents and mineralogy and the recovery of Cd(II) using rhamnolipid biosurfactant. 2008 , 154, 663-73	56

1515	Sorption kinetics and isotherm studies of a cationic dye using agricultural waste: broad bean peels. 2008 , 154, 639-48	148
1514	Defluoridation chemistry of synthetic hydroxyapatite at nano scale: equilibrium and kinetic studies. 2008 , 155, 206-15	227
1513	Cross-linked quaternary chitosan as an adsorbent for the removal of the reactive dye from aqueous solutions. 2008 , 155, 253-60	118
1512	Thermal power plants ash as sorbent for the removal of Cu(II) and Zn(II) ions from wastewaters. 2008 , 156, 1-8	34
1511	Removal of basic dye from aqueous medium using a novel agricultural waste material: pumpkin seed hull. 2008 , 155, 601-9	130
1510	Sorption equilibrium of mercury onto ground-up tree fern. 2008 , 156, 398-404	50
1509	Adsorption isotherm models for dye removal by cationized starch-based material in a single component system: error analysis. 2008 , 157, 34-46	304
1508	Equilibrium, kinetics and mechanism of malachite green adsorption on activated carbon prepared from bamboo by K(2)CO(3) activation and subsequent gasification with CO(2). 2008 , 157, 344-51	189
1507	The use of Neem biomass for the biosorption of zinc from aqueous solutions. 2008, 157, 534-40	63
1506	Heavy metal adsorption onto agro-based waste materials: a review. 2008 , 157, 220-9	1012
	Heavy metal adsorption onto agro-based waste materials: a review. 2008, 157, 220-9 Least-squares regression of adsorption equilibrium data: comparing the options. 2008, 158, 73-87	1012
	Least-squares regression of adsorption equilibrium data: comparing the options. 2008 , 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels.	
1505	Least-squares regression of adsorption equilibrium data: comparing the options. 2008 , 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels.	116
1505 1504	Least-squares regression of adsorption equilibrium data: comparing the options. 2008, 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels. 2008, 159, 294-9 Malachite green adsorption by rattan sawdust: isotherm, kinetic and mechanism modeling. 2008,	116
1505 1504 1503	Least-squares regression of adsorption equilibrium data: comparing the options. 2008, 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels. 2008, 159, 294-9 Malachite green adsorption by rattan sawdust: isotherm, kinetic and mechanism modeling. 2008, 159, 574-9 Kinetic studies for the biosorption of lead and copper ions by Penicillium simplicissimum	116 122 273
1505 1504 1503	Least-squares regression of adsorption equilibrium data: comparing the options. 2008, 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels. 2008, 159, 294-9 Malachite green adsorption by rattan sawdust: isotherm, kinetic and mechanism modeling. 2008, 159, 574-9 Kinetic studies for the biosorption of lead and copper ions by Penicillium simplicissimum immobilized within loofa sponge. 2008, 159, 610-5 Adsorption of copper on rubber (Hevea brasiliensis) leaf powder: Kinetic, equilibrium and thermodynamic studies. 2008, 39, 521-530	116 122 273 42
1505 1504 1503 1502	Least-squares regression of adsorption equilibrium data: comparing the options. 2008, 158, 73-87 Preparation and lead ion removal property of hydroxyapatite/polyacrylamide composite hydrogels. 2008, 159, 294-9 Malachite green adsorption by rattan sawdust: isotherm, kinetic and mechanism modeling. 2008, 159, 574-9 Kinetic studies for the biosorption of lead and copper ions by Penicillium simplicissimum immobilized within loofa sponge. 2008, 159, 610-5 Adsorption of copper on rubber (Hevea brasiliensis) leaf powder: Kinetic, equilibrium and thermodynamic studies. 2008, 39, 521-530 Volumetric interpretation of protein adsorption: kinetic consequences of a slowly-concentrating	116 122 273 42 254

(2008-2008)

1497	Biosorptive removal of Reactive Yellow 2 using waste biomass from lysine fermentation process. 2008 , 76, 502-507	38
1496	Adsorption of binary mixtures of cationic dyes. 2008 , 76, 784-791	64
1495	Kinetic and equilibrium studies on the removal of cationic dyes from aqueous solution by adsorption onto a cyclodextrin polymer. 2008 , 77, 415-426	317
1494	Waste-activated sludge (WAS) as Cr(III) sorbent biosolid from wastewater effluent. 2008 , 66, 240-5	16
1493	Copper removal from wastewater using spent-grain as biosorbent. 2008 , 99, 1509-17	135
1492	Chromium(III) removal by Spirulina platensis biomass. 2008 , 136, 151-155	34
1491	Evaluation of the adsorption kinetics and equilibrium for the potential removal of acid dyes using a biosorbent. 2008 , 139, 2-10	120
1490	Adsorption behaviors of organic vapors using mesoporous silica particles made by evaporation induced self-assembly method. 2008 , 63, 1997-2005	24
1489	Chromatographic behavior of a polyclonal antibody mixture on a strong cation exchanger column. Part I: Adsorption characterization. 2008 , 1214, 59-70	35
1488	Gas phase surface-catalyzed HCl addition to vinylacetylene: motion along a catalytic surface. Experiment and theory. 2008 , 64, 9357-9367	4
1487	Molecular imprinting and adsorption of metallothionein on nanocrystalline titania membranes. 2008 , 254, 4457-4461	14
1486	Single-step purification of recombinant green fluorescent protein on expanded beds of immobilized metal affinity chromatography media. 2008 , 42, 301-307	19
1485	Cationized starch-based material as a new ion-exchanger adsorbent for the removal of C.I. Acid Blue 25 from aqueous solutions. 2008 , 99, 7573-86	117
1484	Uptake of fluoride by nano-hydroxyapatite/chitosan, a bioinorganic composite. 2008 , 99, 8226-30	165
1483	Preparation of functionalized nanoporous carbons for uranium loading. 2008, 313-314, 292-295	34
1482	Molecular-level simulations of chemical reaction equilibrium for nitric oxide dimerization reaction in disordered nanoporous carbons. 2008 , 272, 18-31	14
1481	Comparison of parameters calculated from the BET and Freundlich isotherms obtained by nitrogen adsorption on activated carbons: A new method for calculating the specific surface area. 2008 , 111, 517-522	84
1480	Application of fast multivariant identification technique of adsorption systems to analyze influence of production process conditions on obtained microporous structure parameters of carbonaceous adsorbents. 2008 , 115, 314-331	11

1479	Synthesis and application of an analogue of mesolite for the removal of uranium(VI), thorium(IV), and europium(III) from aqueous waste. 2008 , 116, 641-652	83
1478	The Hill equation: a review of its capabilities in pharmacological modelling. 2008, 22, 633-48	479
1477	Batch studies of adsorption of copper and lead on activated carbon from Eucalyptus camaldulensis dehn. bark. 2008 , 20, 1028-34	69
1476	Kinetics and isotherms of Neutral Red adsorption on peanut husk. 2008, 20, 1035-41	115
1475	Biosorption of copper ions from dilute aqueous solutions on base treated rubber (Hevea brasiliensis) leaves powder: kinetics, isotherm, and biosorption mechanisms. 2008 , 20, 1168-76	108
1474	Sorption of Hg(II) from Aqueous Solutions ontoCarica papaya: Application of Isotherms. 2008, 47, 980-986	82
1473	Overview of Physical Adsorption by Carbons. 2008, 3-14	3
1472	Gold nanorods as nanoadmicelles: 1-naphthol partitioning into a nanorod-bound surfactant bilayer. 2008 , 24, 10235-9	70
1471	Nanostructure Iron(III) dirconium(IV) Binary Mixed Oxide: Synthesis, Characterization, and Physicochemical Aspects of Arsenic(III) Sorption from the Aqueous Solution. 2008 , 47, 9903-9912	44
1470	Colloid-Chemistry in the Textile Industries 2008, 35, 244-254	
1469	The History and Use of the Freundlich Adsorption Isotherm. 2008, 89, 287-291	5
1468	Understanding the adsorption mechanism of chitosan onto poly(lactide-co-glycolide) particles. 2008 , 70, 597-604	94
1467	Fabrication of protein gradients for cell culture using a miniature squeegee. 2008 , 70, 1192-5	3
1466	Thermodynamics of Grain Boundary Segregation and Applications to Anisotropy, Compensation Effect and Prediction. 2008 , 33, 133-163	55
1465	Activation of D-tyrosine by Bacillus stearothermophilus tyrosyl-tRNA synthetase: 1. Pre-steady-state kinetic analysis reveals the mechanistic basis for the recognition of D-tyrosine. 2008 , 283, 12960-70	24
1464	Removal of palladium ions from aqueous systems by chemically modified cysteine carbon powder. 2008 , 18, 3948	12
1463	BACK MATTER. 2008 , 353-403	
1462	Enhancement of Perfluorooctanoate and Perfluorooctanesulfonate Activity at Acoustic Cavitation Bubble Interfaces. 2008 , 112, 16850-16857	74

1461	Super-resolution imaging by random adsorbed molecule probes. 2008 , 8, 1159-62	29
1460	Surface-confined supramolecular coordination chemistry. 2009 , 287, 1-44	95
1459	Estimation of Isotherm Parameters for Biosorption of Cd(II) and Pb(II) onto Brown Seaweed, Lobophora variegata. 2008 , 53, 449-455	28
1458	Interaction of chromium with resistant strain Aspergillus versicolor: investigation with atomic force microscopy and other physical studies. 2008 , 24, 8643-50	43
1457	Molecular recognition based on low-affinity polyvalent interactions: selective binding of a carboxylated polymer to fibronectin fibrils of live fibroblast cells. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7851-3	121
1456	Effect of fluorescently labeling protein probes on kinetics of protein-ligand reactions. 2008, 24, 13399-405	69
1455	Mo6S3I6 Nanowire Network Vapor Pressure Chemisensors. 2008 , 20, 1773-1777	9
1454	Sorption of Cr(VI) onto Cystoseira indica: Comparison of Regression Methods for Isotherms and Biomass Minimization. 2008 , 3,	
1453	Natamycin blocks fungal growth by binding specifically to ergosterol without permeabilizing the membrane. 2008 , 283, 6393-401	157
1452	Probes containing runs of guanines provide insights into the biophysics and bioinformatics of Affymetrix GeneChips. 2009 , 10, 259-77	21
1451	REMOVAL OF BASIC DYE FROM AQUEOUS SOLUTION USING CHEMICALLY MODIFIED PARTHENIUM HYSTEROPHORUS LINN. BIOMASS. 2008 , 195, 1185-1199	9
1450	Biosorption of Phenol on Dried Activated Sludge: Effect of Temperature. 2008 , 43, 3251-3268	11
1449	Development of the Science of Catalysis. 2008 , 16	1
1448	Principles of Chemisorption. 2008 , 1375	3
1447	Receptor-Mediated Mechanisms of Toxicity. 2008, 235-272	6
1446	Adsorption of C.I. Basic Blue 9 on chitosan-based materials. 2008 , 34, 451	24
1445	Revisiting a statistical shortcoming when fitting the Langmuir model to sorption data. 2008 , 37, 1986-92	40
1444	Applicability of the Arps Rate-Time Relationships for Evaluating Decline Behavior and Ultimate Gas Recovery of Coalbed Methane Wells. 2008 ,	10

1443	Application of Some Starch Hydrogels for the Removal of Mercury(II) Ions from Aqueous Solutions. 2008 , 26, 563-579	19
1442	Study of Nitrogen-Modified Titanium Dioxide as an Adsorbent for Azo Dyes. 2008 , 26, 501-513	8
1441	The Adsorption of Zn(II) lons onto Chitin: Determination of Equilibrium, Kinetic and Thermodynamic Parameters. 2008 , 26, 333-344	5
1440	Treatment of Alhagi Residues with Tartaric Acid for the Removal of Zn(II) Ions from Aqueous Solution. 2008 , 26, 661-678	6
1439	. 2008,	39
1438	Evaluation of the activated carbon prepared from the algae Gracilaria for the biosorption of Cu(II) from aqueous solutions. 2008 , 7, 2034-2037	5
1437	WATER ADSORPTION ISOTHERM OF CEMENT MATERIALS. 2008 , 64, 560-571	7
1436	Modern Applied Science, Vol. 3, No. 9, September 2009, all in two files, Part A. 2009 , 3,	
1435	Recovery of Nickel (Ii) Ions from Electroplating Rinse Water Using Hectorite Clay. 2009, 3,	7
1434	Sorptive Response Profile of Chitosan Coated Silica in the Defluoridation of Aqueous Solution. 2009 , 6, 713-724	28
1433	Removal of Cr(VI) from Aqueous Solution Using Modified Pomegranate Peel: Equilibrium and Kinetic Studies. 2009 , 6, S129-S142	10
1432	On the Low-Temperature Response of Semiconductor Gas Sensors. 2009 , 2009, 1-17	53
1431	ADSORPTION, KINETICS, AND EQUILIBRIUM STUDIES ON REMOVAL OF 4,4-DDT FROM AQUEOUS SOLUTIONS USING LOW-COST ADSORBENTS. 2009 , 196, 1547-1558	23
1430	Accurate particle-based simulation of adsorption, desorption and partial transmission. 2009 , 6, 046015	50
1429	Temperature and Water Vapor Pressure Effects on the Friction Coefficient of Hydrogenated Diamondlike Carbon Films. 2009 , 131,	15
1428	Preparation, Characterization and Utilization of Amidoximated Poly(AN/MAA)-grafted Alhagi Residues for the Removal of Zn(II) Ions from Aqueous Solution. 2009 , 27, 363-382	9
1427	Adsorption thermodynamics and kinetics of nickel (II) ions onto Na-ZSM-5 and mordenite zeolites. 2009 , 1, 321	
1426	Utilization of Calligonum comosum as a New Adsorbent Material for Lead Ion Removal from Aqueous Solution. 2009 , 2009, 58-78	

(2009-2009)

1425	Equilibrium and thermodynamics of dye removal from aqueous solution by adsorption using rubber wood saw dust. 2009 , 10, 295	5
1424	Powdered activated carbon for fouling reduction of a membrane in a pilot-scale recirculating aquaculture system. 2009 , 3, 1-10	12
1423	The adsorption of sulfur dispersing agents on sulfur and nickel sulfide concentrate surfaces. 2009 , 22, 445-450	7
1422	Evaluation of equilibrium, kinetic and thermodynamic parameters for biosorption of nickel(II) ions onto bacteria strain, Rhodococcus opacus. 2009 , 22, 1318-1325	41
1421	Poly(N,N-dimethylaminoethyl methacrylate) modification of activated carbon for copper ions removal. 2009 , 113, 784-789	65
1420	Non-linear multicompartment model for drug binding by extracellular proteins with an application to warfarin. 1976 , 38, 90-103	5
1419	Chitosan(chitin)/cellulose composite biosorbents prepared using ionic liquid for heavy metal ions adsorption. 2009 , 55, 2062-2069	170
1418	Estimation of Kinetic Parameters for Hydrogenation Reactions Using a Genetic Algorithm. 2009 , 32, 1588-159	416
1417	Stepwise Frontal Analysis to Derive Equilibrium Sorption Data for Copper and Aniline on Functionalized Sporopollenin. 2009 , 37, 349-354	8
1416	Preparation, Characterization and Adsorption Mechanism of Cu(II) onto Protonated Rubber Leaf Powder. 2009 , 37, 696-703	20
1415	Quantitative Studies of Metal Ion Adsorption on a Chemically Modified Carbon Surface: Adsorption of Cd(II) and Hg(II) on Glutathione Modified Carbon. 2009 , 21, 897-903	13
1414	Defluoridation performance and mechanism of nano-scale aluminum oxide hydroxide in aqueous solution. 2009 , 84, 1043-1050	112
1413	Enhanced and selective fluoride sorption on Ce(III) encapsulated chitosan polymeric matrix. 2009 , 112, 1114-1121	21
1412	Removal of Basic Blue 3 by sorption onto a weak acid acrylic resin. 2009 , 113, 607-614	15
1411	Poly[4-(4-vinylbenzyloxy)-2-hydroxylbenzaldehyde] for rapid removal of low concentrations of Pb(II). 2009 , 113, 2096-2102	3
1410	Simulation of mine water inflow and gas emission during longwall mining. 2009 , 42, 25-51	50
1409	Kinetics, equilibrium and thermodynamic studies on biosorption of hexavalent chromium by dead fungal biomass of marine Aspergillus niger. 2009 , 145, 489-495	221
1408	Biosorption of hexacyanoferrate(III) complex anion to dead biomass of the basidiomycete Pleurotus mutilus: Biosorbent characterization and batch experiments. 2009 , 147, 150-160	24

1407	Adsorption equilibria of formic acid by weakly basic adsorbent Amberlite IRA-67: Equilibrium, kinetics, thermodynamic. 2009 , 155, 320-325	40
1406	Surface modification of glass beads with glutaraldehyde: characterization and their adsorption property for metal ions. 2009 , 171, 594-600	34
1405	Biosorption of Cd(II) and Pb(II) onto brown seaweed, Lobophora variegata (Lamouroux): kinetic and equilibrium studies. 2009 , 20, 1-13	27
1404	Removal of Nickel onto Alkali Treated Rice Bran. 2009 , 197, 361-370	21
1403	Preparation, Characterization, and Adsorption Behavior of Cu(II) Ions onto Alkali-Treated Weed (Imperata cylindrica) Leaf Powder. 2009 , 201, 43-53	34
1402	Comparative ion-exchange characterization of zeolitic and clayey materials for pedotechnical applications Part 2: interaction with nutrient cations. 2009 , 16, 667-673	5
1401	Preparation and acid dye adsorption behavior of polyurethane/chitosan composite foams. 2009 , 10, 636-642	78
1400	Solvent impregnated resin prepared using task-specific ionic liquids for rare earth separation. 2009 , 27, 932-936	54
1399	Intrinsic structural disorder of mouse proNGF. 2009 , 75, 990-1009	47
1398	Environmentally Enhanced Fracture of Glass: A Historical Perspective. 2009 , 92, 1371-1382	120
1397	Fresh perspectives for surface coordination chemistry. 2009 , 603, 1533-1541	227
	Fresh perspectives for surface coordination chemistry. 2009 , 603, 1533-1541 Study on the fluoride adsorption of various apatite materials in aqueous solution. 2009 , 130, 1035-1041	227
		ŕ
1396	Study on the fluoride adsorption of various apatite materials in aqueous solution. 2009 , 130, 1035-1041 Removal of direct blue-86 from aqueous solution by new activated carbon developed from orange	105
1396 1395	Study on the fluoride adsorption of various apatite materials in aqueous solution. 2009 , 130, 1035-1041 Removal of direct blue-86 from aqueous solution by new activated carbon developed from orange peel. 2009 , 161, 102-10 Potential of pomegranate husk carbon for Cr(VI) removal from wastewater: kinetic and isotherm	105
1396 1395 1394	Study on the fluoride adsorption of various apatite materials in aqueous solution. 2009 , 130, 1035-1041 Removal of direct blue-86 from aqueous solution by new activated carbon developed from orange peel. 2009 , 161, 102-10 Potential of pomegranate husk carbon for Cr(VI) removal from wastewater: kinetic and isotherm studies. 2009 , 161, 132-41	105 204 197
1396 1395 1394 1393	Study on the fluoride adsorption of various apatite materials in aqueous solution. 2009, 130, 1035-1041 Removal of direct blue-86 from aqueous solution by new activated carbon developed from orange peel. 2009, 161, 102-10 Potential of pomegranate husk carbon for Cr(VI) removal from wastewater: kinetic and isotherm studies. 2009, 161, 132-41 Thermodynamics and kinetics of Zn(II) adsorption on crosslinked starch phosphates. 2009, 161, 510-5 Batch adsorption and kinetics of chromium (VI) removal from aqueous solutions by Ocimum	105 204 197 47

(2009-2009)

1389	Adsorption of Supranol Yellow 4 GL from aqueous solution by surfactant-treated aluminum/chromium-intercalated bentonite. 2009 , 162, 378-85	40
1388	Role of metal ion incorporation in ion exchange resin on the selectivity of fluoride. 2009 , 162, 920-30	85
1387	Evaluation of papaya seeds as a novel non-conventional low-cost adsorbent for removal of methylene blue. 2009 , 162, 939-44	257
1386	Utilization of bog iron ores as sorbents of heavy metals. 2009 , 162, 1007-13	23
1385	Defluoridation of water using magnesia/chitosan composite. 2009 , 163, 618-24	133
1384	Biosorption of Cd2+, Cu2+, Ni2+ and Zn2+ ions from aqueous solutions by pretreated biomass of brown algae. 2009 , 163, 931-8	122
1383	Removal of copper(II) ions from aqueous solution by modified bagasse. 2009 , 164, 1-9	114
1382	Removal of fluoride from water by using granular red mud: Batch and column studies. 2009 , 164, 271-8	246
1381	Equilibrium sorption isotherms for nitrate on resin Amberlite IRA 400. 2009 , 165, 27-33	31
1380	Removal of direct blue-106 dye from aqueous solution using new activated carbons developed from pomegranate peel: adsorption equilibrium and kinetics. 2009 , 165, 52-62	369
1379	Removal of Direct N Blue-106 from artificial textile dye effluent using activated carbon from orange peel: adsorption isotherm and kinetic studies. 2009 , 165, 100-10	236
1378	Grass waste: a novel sorbent for the removal of basic dye from aqueous solution. 2009 , 166, 233-8	110
1377	Selective removal of Cr(VI) ions from aqueous solutions including Cr(VI), Cu(II) and Cd(II) ions by 4-vinyl pyridine/2-hydroxyethylmethacrylate monomer mixture grafted poly(ethylene terephthalate) fiber. 2009 , 166, 435-44	52
1376	Study of kinetic and fixed bed operation of removal of sulfate anions from an industrial wastewater by an anion exchange resin. 2009 , 166, 961-6	67
1375	Adsorption removal of phosphate in industrial wastewater by using metal-loaded skin split waste. 2009 , 166, 1261-5	80
1374	Competitive biosorption of Pb2+, Cu2+ and Zn2+ ions from aqueous solutions onto valonia tannin resin. 2009 , 166, 1488-94	141
1373	Preparation and characterization of activated carbon from cotton stalk by microwave assisted chemical activationapplication in methylene blue adsorption from aqueous solution. 2009 , 166, 1514-21	330
1372	Agricultural based activated carbons for the removal of dyes from aqueous solutions: a review. 2009 , 167, 1-9	516

1371	Development of multifunctional chitosan beads for fluoride removal. 2009, 167, 325-31	45
1370	Removal of Ca(II) and Mg(II) from potassium chromate solution on Amberlite IRC 748 synthetic resin by ion exchange. 2009 , 167, 406-12	68
1369	Defluoridation of water using as-synthesized Zn/Al/Cl anionic clay adsorbent: equilibrium and regeneration studies. 2009 , 167, 873-8	38
1368	Authors' response to comments on "Factors influencing the removal of divalent cations by hydroxyapatite". 2009 , 168, 560-2	5
1367	Phenol sorption on surfactant-modified Mexican zeolitic-rich tuff in batch and continuous systems. 2009 , 167, 1063-1069	10
1366	Adsorptive removal of selected pharmaceuticals by mesoporous silica SBA-15. 2009 , 168, 602-8	275
1365	Studies on the biosorption of hexavalent chromium from aqueous solutions by using boiled mucilaginous seeds of Ocimum americanum. 2009 , 169, 1141-5	22
1364	Kinetics of methylene blue removal from aqueous solution using gulmohar (Delonix regia) plant leaf powder: multivariate regression analysis. 2009 , 169, 119-27	94
1363	Removal of heavy metal ions from municipal solid waste leachate using coal fly ash as an adsorbent. 2009 , 169, 351-9	264
1362	Studies on application of teak leaf powders for the removal of color from synthetic and industrial effluents. 2009 , 169, 1159-62	20
1361	Performance enhancement with powdered activated carbon (PAC) addition in a membrane bioreactor (MBR) treating distillery effluent. 2009 , 170, 457-65	51
1360	Bromate removal from water by granular ferric hydroxide (GFH). 2009 , 170, 134-40	102
1359	Removal of Alizarin Violet 3R (anthraquinonic dye) from aqueous solutions by natural coagulants. 2009 , 170, 43-50	65
1358	The fast removal of low concentration of cadmium(II) from aqueous media by chelating polymers with salicylaldehyde units. 2009 , 170, 22-6	31
1357	Hg(II) removal from aqueous solution by bayberry tannin-immobilized collagen fiber. 2009 , 170, 1141-8	76
1356	Adsorption of aqueous metal ions on cattle-manure-compost based activated carbons. 2009 , 170, 1119-24	88
1355	Adsorption kinetics and isotherm of anionic dyes onto organo-bentonite from single and multisolute systems. 2009 , 172, 99-107	165
1354	Fluoride sorption by nano-hydroxyapatite/chitin composite. 2009 , 172, 147-51	116

1353	Adsorption behavior of lindane on Rhizopus oryzae biomass: physico-chemical studies. 2009 , 172, 485-90	23
1352	Preparation and characterization of new succinic anhydride grafted Posidonia for the removal of organic and inorganic pollutants. 2009 , 172, 1579-90	31
1351	Removal of methylene blue from colored effluents by adsorption on montmorillonite clay. 2009 , 332, 46-53	491
1350	Fluoride sorption using organic-inorganic hybrid type ion exchangers. 2009 , 333, 58-62	57
1349	Removal of phosphate from water by a Fe-Mn binary oxide adsorbent. 2009 , 335, 168-74	298
1348	Adsorption studies on the removal of coloring agent phenol red from wastewater using waste materials as adsorbents. 2009 , 337, 345-54	430
1347	Predicting production performance of CBM reservoirs. 2009 , 1, 25-30	69
1346	Nano-textured metallic surfaces for optical sensing and detection applications. 2009 , 207, 126-134	34
1345	Structure-preserving infinite dimensional model reduction: Application to adsorption processes. 2009 , 19, 394-404	27
1344	Removal of arsenic from wastewater using iron compound: Comparing two different types of adsorbents in the context of LCA. 2009 , 53, 688-697	11
1343	The effect of relative humidity, temperature and electrical field on leakage currents in piezo-ceramic actuators under dc bias. 2009 , 151, 179-186	39
1342	Study of equilibrium, kinetic and thermodynamic parameters about methylene blue adsorption onto natural zeolite. 2009 , 145, 496-504	319
1341	Removal of 2,4-DCP from wastewater by CTAB/bentonite using one-step and two-step methods: A comparative study. 2009 , 146, 345-354	91
1340	Sorption of Hg(II) onto Carica papaya: Experimental studies and design of batch sorber. 2009 , 147, 226-234	105
1339	Adsorption removal of reactive dyes from aqueous solution by modified basic oxygen furnace slag: Isotherm and kinetic study. 2009 , 147, 272-279	126
1338	Adsorption of complex phenolic compounds on active charcoal: Adsorption capacity and isotherms. 2009 , 148, 1-7	46
1337	Simulation of dye adsorption on hydrolyzed wheat straw in batch and fixed-bed systems. 2009 , 148, 459-472	71
1336	Adsorption of fluoride by hydrous iron(III) E in(IV) bimetal mixed oxide from the aqueous solutions. 2009 , 149, 196-206	154

1335	Performance evaluation of alumina cement granules in removing fluoride from natural and synthetic waters. 2009 , 150, 485-491	46
1334	Removal of Cr (VI) from aqueous solutions using wheat bran. 2009 , 151, 113-121	78
1333	Novel model development for sorption of arsenate on chitosan. 2009 , 151, 122-133	38
1332	Biosorption of hexavalent chromium from aqueous solutions by Catla catla scales: Equilibrium and kinetics studies. 2009 , 155, 666-673	103
1331	Affinity purification of viral protein having heterogeneous quaternary structure: modeling the impact of soluble aggregates on chromatographic performance. 2009 , 1216, 5696-708	21
1330	Synthesis of Zr(IV) entrapped chitosan polymeric matrix for selective fluoride sorption. 2009 , 72, 88-93	59
1329	Efficiency of succinylated-olive stone biosorbent on the removal of cadmium ions from aqueous solutions. 2009 , 73, 192-8	31
1328	Isotherm, kinetic and thermodynamic studies of lead and copper uptake by H2SO4 modified chitosan. 2009 , 73, 257-66	90
1327	Kinetics and thermodynamics of Pb(II) adsorption onto modified spent grain from aqueous solutions. 2009 , 255, 4298-4303	76
1326	Surface modification of the Corynebacterium glutamicum biomass to increase carboxyl binding site for basic dye molecules. 2009 , 46, 1-6	21
1325	Adsorption of Bezanyl Red and Nylomine Green from aqueous solutions by natural and acid-activated bentonite. 2009 , 235, 276-292	42
1324	Treatment of artificial textile dye effluent containing Direct Yellow 12 by orange peel carbon. 2009 , 238, 210-232	160
1323	Increasing the phenol adsorption capacity of neutralized red mud by application of acid activation procedure. 2009 , 242, 19-28	36
1322	Adsorption of phenol from wastewater using vegetal cords as a new adsorbent. 2009 , 244, 177-187	54
1321	Kinetic and isotherm studies of the adsorption of Acid Blue 92 using a low-cost non-conventional activated carbon. 2009 , 249, 388-397	41
1320	Selective recovery of precious metals by persimmon waste chemically modified with dimethylamine. 2009 , 100, 4083-9	77
1319	Removal of emulsified food and mineral oils from wastewater using surfactant modified barley straw. 2009 , 100, 5744-9	128
1318	Determination of the surface area and porosity of carbon nanotube bundles from a Langmuirian analysis of sub- and supercritical adsorption data. 2009 , 47, 948-956	39

(2009-2009)

1317	Silver sorption on acrylic copolymers functionalized with amines. Equilibrium and kinetic studies. 2009 , 7, 827-835	4
1316	Sorption Characteristics of Arsenic(V) for Removal from Water Using Agglomerated Nanostructure Iron(III)@irconium(IV) Bimetal Mixed Oxide. 2009 , 54, 2222-2228	55
1315	Eucalyptus bark powder as an effective adsorbent: Evaluation of adsorptive characteristics for various dyes. 2009 , 11, 302-313	21
1314	Perfluorinated surfactant chain-length effects on sonochemical kinetics. 2009 , 113, 9834-42	77
1313	Adsorption behavior of mercury on functionalized aspergillus versicolor mycelia: atomic force microscopic study. 2009 , 25, 360-6	42
1312	Electrochemical and electrogenerated chemiluminescent studies of a trinuclear complex, [((phen)2Ru(dpp))2RhCl2]5+, and its interactions with calf thymus DNA. 2009 , 81, 4068-75	29
1311	Adsorption of Aniline on Cross-Linked Starch Sulfate from Aqueous Solution. 2009 , 48, 10657-10663	24
1310	The Langmuir isotherm and the standard model of ion-assisted etching. 2009 , 18, 014002	3
1309	Electrochemical study on the effect of Schiff base and its cobalt complex on the acid corrosion of steel. 2009 , 51, 3021-3024	79
1308	Adsorption of anionic dyes on poly(epicholorohydrin dimethylamine) modified bentonite in single and mixed dye solutions. 2009 , 45, 280-287	62
1307	Light-Induced Generation of Singlet Oxygen in Porous Silicon. 2009 , 125-139	6
1306	Adsorption of Copper Ions and Methylene Blue in a Single and Binary System on Wheat Straw. 2009 , 54, 3229-3234	133
1305	Label-free, electrical detection of the SARS virus N-protein with nanowire biosensors utilizing antibody mimics as capture probes. 2009 , 3, 1219-24	170
1304	Equilibrium, kinetic and mechanism study for the adsorption of neutral red onto rice husk. 2009 , 12, 210-218	35
1303	From specular reflectivity to time-resolved grazing incidence X-ray scattering out of the specular plane (GISAXS): equilibrium and nonequilibrium states of organic/inorganic monolayers at liquid surfaces. 2009 , 25, 4104-10	5
1302	Removal of Carmine Indigo Dye with Moringa oleifera Seed Extract. 2009 , 48, 6512-6520	63
1301	Surface segregation of fluorinated moieties on random copolymer films controlled by random-coil conformation of polymer chains in solution. 2009 , 25, 2248-57	48
1300	Adsorption of methylene blue from aqueous solution by chemically treated water hyacinth. 2009 , 91, 1079-1094	7

1299	Adsorption of avermectins on activated carbon: Equilibrium, kinetics, and UV-shielding. 2009 , 19, s845-s850	9
1298	Adsorption of hexavalent chromium from aqueous solution on raw and modified activated carbon. 2009 , 81, 728-34	4
1297	Influence of Hydrogen on Growth of Carbon Nanotubes. 2009 , 1204, 1	
1296	Porous Texture of Carbons. 2009, 115-162	10
1295	Solid phase selective and extractive preconcentration of silver ion from aqueous samples on modified silica gel with 5-(4-dimethylaminobenzylidene)-rhodanine; prepared by sol-gel method. 2009 , 25, 711-6	11
1294	Parameterization of cloud droplet formation for global and regional models: including adsorption activation from insoluble CCN. 2009 , 9, 2517-2532	88
1293	Kinetics of the Adsorption of Chromium(VI) Ions from Water by Vegetable Precursors Treated with Sulphuric Acid. 2009 , 27, 965-974	3
1292	Kinetic Models of the Adsorption of Hexavalent Chromium by Chitosan from Aqueous Solution. 2009 , 27, 835-843	3
1291	Coalbed Methane Production: Why Coal Permeability Matters. 2010,	О
1290	Coalbed Methane: Current Evaluation Methods, Future Technical Challenges. 2010,	14
1289	Integration of Montney Microseismic Information Into a Reservoir Simulator to Analyze a Horizontal Wellbore With Multiple Fracture Stages. 2010 ,	3
1288	Use of Oxalic Acid-Modified Rice Husk for the Adsorption of Neutral Red from Aqueous Solutions. 2010 , 28, 641-656	4
1287	Dependence of Water Vapour Adsorption on the Polarity of the Graphene Surfaces of Multi-Wall Carbon Nanotubes. 2010 , 28, 903-912	5
1287 1286	Carbon Nanotubes. 2010 , 28, 903-912	5
,	Carbon Nanotubes. 2010, 28, 903-912 Adsorption Heterogeneous. 2010,	5 6
1286	Carbon Nanotubes. 2010 , 28, 903-912 Adsorption⊞eterogeneous. 2010 ,	
1286	Carbon Nanotubes. 2010, 28, 903-912 Adsorption Heterogeneous. 2010, Control of Thermal Spray Process through Observation on Individual Splat Behavior. 2010, 4, 107-118 Removal of Ni(II) from electroplating rinse waters using cation-exchange resins: batch and column	

1281 Stem cell separation: a bottleneck in stem cell therapy. 2010, 5, 50-61 41 1280 References. 2010, 383-522 Biosorption of lead(II) onto pine cone powder: Studies on biosorption performance and process 1279 57 design to minimize biosorbent mass. 2010, 82, 1031-1042 Removal of Cr(III, VI) by quaternary ammonium and quaternary phosphonium ionic liquids 1278 111 functionalized silica materials. 2010, 158, 108-114 Perchlorate removal from aqueous solutions by granular ferric hydroxide (GFH). 2010, 159, 84-90 60 1276 Biosorption of aluminum ions onto Rhodococcus opacus from wastewaters. 2010, 161, 1-8 28 Kinetics, equilibrium and thermodynamic study of Cr(VI) sorption into toluidine blue o-impregnated XAD-7 resin beads and its application for the treatment of wastewaters containing Cr(VI). 2010, 1275 73 160, 190-198 Biosorption of cadmium(II) from aqueous solution using heartwood powder of Areca catechu. 2010, 1274 84 162, 949-955 Sea shell powder as a new adsorbent to remove Basic Green 4 (Malachite Green) from aqueous 1273 243 solutions: Equilibrium, kinetic and thermodynamic studies. 2010, 164, 168-177 Improving the sensitivity of carbon nanotube sensors by benzene functionalization. 2010, 147, 316-321 19 ZnO nanowire biosensors for detection of biomolecular interactions in enhancement mode. 2010, 1271 98 148, 577-582 Investigation of sorption/desorption equilibria of heavy metal ions on/from quartz using 46 1270 rhamnolipid biosurfactant. 2010, 91, 724-31 1269 Adsorption models of 137Cs radionuclide and Sr (II) on some Egyptian soils. 2010, 101, 297-303 34 1268 Interaction of malathion, an organophosphorus pesticide with Rhizopus oryzae biomass. 2010, 174, 47-53 64 Development of chitosan supported zirconium(IV) tungstophosphate composite for fluoride 88 1267 removal. 2010, 176, 459-65 Fluoride removal from water using activated and MnO2-coated Tamarind Fruit (Tamarindus indica) 1266 59 shell: batch and column studies. 2010, 177, 719-29 Removal of malachite green from aqueous solution by activated carbon prepared from the epicarp 1265 174 of Ricinus communis by adsorption. 2010, 179, 178-86 The effects of soil properties and temperature on the adsorption isotherms of lead on some 1264 12 temperate and semiarid surface soils of Iran. 2010, 8, 129-137

1263	Brown marine algae turbinaria conoides as biosorbent for Malachite green removal: Equilibrium and kinetic modeling. 2010 , 4, 116-122	12
1262	On the biosorption, by brown seaweed, Lobophora variegata, of Ni(II) from aqueous solutions: equilibrium and thermodynamic studies. 2010 , 21, 661-80	12
1261	Optimization, equilibrium and kinetics studies on sorption of Acid Blue 9 using brown marine algae Turbinaria conoides. 2010 , 21, 713-27	26
1260	Adsorption and corrosion inhibition of amphiphilic compounds on steel pipeline grade API 5L X52 in sulphuric acid 1 M. 2010 , 40, 1605-1617	20
1259	Adsorption characteristic of 137Cs from aqueous solution using PAN-based sodium titanosilicate composite. 2010 , 284, 461-469	42
1258	Removal of Methyl Violet from aqueous solutions using poly (acrylic acid-co-acrylamide)/attapulgite composite. 2010 , 22, 7-14	98
1257	Sequestration of toxic Pb(II) ions by chemically treated rubber (Hevea brasiliensis) leaf powder. 2010 , 22, 248-56	50
1256	Novel package for inhibition of aluminium corrosion in alkaline solutions. 2010 , 124, 773-779	69
1255	The preparation of SnO2 film by electrodeposition. 2010 , 45, 2006-2011	21
1254	Study on adsorption characteristic of macroporous resin to phenol in wastewater. 2010 , 88, n/a-n/a	2
1253	Isolation of Natural Colorants from Lagerstroemia indica: Kinetic and Adsorption Studies. 2010 , 28, 1091-109	6 3
1252	Preparation for Optimal Conformation of Lysozyme with Nanodiamond and Nanosilica as Carriers. 2010 , 28, 2520-2526	8
1251	Base Treated Cogon Grass (Imperata cylindrica) as an Adsorbent for the Removal of Ni(II): Kinetic, Isothermal and Fixed-bed Column Studies. 2010 , 38, 248-256	12
1250	Malachite Green Adsorption onto Chitosan Coated Bentonite Beads: Isotherms, Kinetics and Mechanism. 2010 , 38, 394-400	95
1249	Malachite Green Adsorption by a Residue-based Microwave-activated Adsorbent. 2010 , 38, 843-849	13
1248	Adsorption on heterogeneous surfaces: site energy distribution functions from Fritz-Schlender isotherms. 2010 , 11, 2555-60	5
1247	Quantum Mechanical Studies of Atomic, Bond, and Molecular Polarizabilities: Application to Some Metal Hexacarbonyls of Octahedral Symmetry. 2010 , 90, 651-661	3
1246	Quantum Mechanical Studies of Atomic, Bond, and Molecular Polarizabilities: Application to Some Metal Hexacarbonyls of Octahedral Symmetry. 2010 , 90, 1077-1092	

(2010-2010)

1245	Preparation of bioadsorbents for effective adsorption of a reactive dye in aqueous solution. 2010 , 5, 563-569	28
1244	Studies on sorption isotherm models of ion exchange modified acrylic fibers. 2010 , 118, 135-142	11
1243	Evaluation of selective composite cryogel for bromate removal from drinking water. 2010 , 33, 1752-9	40
1242	Adsorption of plasmid DNA on ceramic hydroxyapatite chromatographic materials. 2010 , 33, 3125-36	8
1241	Examination of the surface heterogeneity of reversed-phase packing materials with solvent adsorption. 2010 , 33, 3644-54	12
1240	Heterogeneous particle deaggregation and its implication for therapeutic aerosol performance. 2010 , 99, 3442-61	21
1239	Dry powder aerosols generated by standardized entrainment tubes from alternative sugar blends: 3. Trehalose dihydrate and D-mannitol carriers. 2010 , 99, 3430-41	26
1238	Assessment of adequate sodium hypochlorite concentration for pre-oxidization of multi-walled carbon nanotubes. 2010 , 85, 699-707	42
1237	Novel batch reactor design for the adsorption of arsenate on chitosan. 2010 , 85, 1561-1568	13
1236	Adsorption of copper from aqueous solution by activated carbons obtained by pyrolysis of cassava peel. 2010 , 87, 188-193	53
1235	Extended study of DETA-functionalized PGMA adsorbent in the selective adsorption behaviors and mechanisms for heavy metal ions of Cu, Co, Ni, Zn, and Cd. 2010 , 350, 282-9	22
1234	Methylene blue adsorption by the waste of Abu-Tartour phosphate rock. 2010 , 348, 537-45	66
1233	Equilibrium and kinetic adsorption study of the adsorptive removal of Cr(VI) using modified wheat residue. 2010 , 349, 256-64	158
1232	Equilibrium studies of copper ion adsorption onto palm kernel fibre. 2010 , 91, 1491-9	39
1231	Biosorption of copper(II) and lead(II) onto potassium hydroxide treated pine cone powder. 2010 , 91, 1674-85	85
1230	Synthesis of La-incorporated chitosan beads for fluoride removal from water. 2010 , 131, 373-377	58
1229	Tannin-immobilized mesoporous silica bead (BT-SiO2) as an effective adsorbent of Cr(III) in aqueous solutions. 2010 , 173, 33-9	58
1228	Novel tannin-based adsorbent in removing cationic dye (Methylene Blue) from aqueous solution. Kinetics and equilibrium studies. 2010 , 174, 9-16	81

1227	Rejected tea as a potential low-cost adsorbent for the removal of methylene blue. 2010 , 175, 126-32	267
1226	Lead(II) adsorption from aqueous solutions by raw and activated charcoals of Melocanna baccifera Roxburgh (bamboo)a comparative study. 2010 , 175, 311-8	210
1225	Removal of Cr (VI) with wheat-residue derived black carbon: reaction mechanism and adsorption performance. 2010 , 175, 816-22	174
1224	Malachite green adsorption onto natural zeolite and reuse by microwave irradiation. 2010 , 175, 1056-61	96
1223	Removal of lead(II) from aqueous solutions using carbonate hydroxyapatite extracted from eggshell waste. 2010 , 177, 126-30	142
1222	Enriched fluoride sorption using alumina/chitosan composite. 2010 , 178, 226-32	123
1221	Biosorption of nickel and total chromium from aqueous solution by gum kondagogu (Cochlospermum gossypium): A carbohydrate biopolymer. 2010 , 178, 851-60	75
1220	Adsorptive recovery of UO2(2+) from aqueous solutions using collagen-tannin resin. 2010 , 179, 295-302	60
1219	Characterization of pore-expanded amino-functionalized mesoporous silicas directly synthesized with dimethyldecylamine and its application for decolorization of sulphonated azo dyes. 2010 , 180, 106-14	37
1218	Adsorption treatment of oxide chemical mechanical polishing wastewater from a semiconductor manufacturing plant by electrocoagulation. 2010 , 180, 217-24	54
1217	Adsorption and desorption studies on hazardous dye Naphthol Yellow S. 2010 , 182, 749-56	81
1216	Adsorptive recovery of Au3+ from aqueous solutions using bayberry tannin-immobilized mesoporous silica. 2010 , 183, 793-8	105
1215	The adsorption properties of Pb(II) and Cd(II) on functionalized graphene prepared by electrolysis method. 2010 , 183, 923-30	311
1214	Rapid removal and recovery of Pb(II) from wastewater by magnetic nanoadsorbents. 2010, 184, 538-546	412
1213	Kinetics, equilibrium and thermodynamic studies on biosorption of Ag(I) from aqueous solution by macrofungus Pleurotus platypus. 2010 , 184, 765-774	79
1212	Use of ultrafiltration membranes and aluminosilicate minerals for nickel removal from industrial wastewater. 2010 , 360, 234-249	73
1211	Kinetic and equilibrium adsorption of methylene blue and remazol dyes onto steam-activated carbons developed from date pits. 2010 , 14, 47-53	38
1210	Kinetics and equilibrium adsorption of Basic Green 4 dye on activated carbon derived from durian peel: Effects of pyrolysis and post-treatment conditions. 2010 , 41, 591-598	54

(2010-2010)

1209	Investigation of the adsorption behavior of glycine peptides on 12% cross-linked agarose gel media. 2010 , 1217, 1916-25	14
1208	Improved selectivity, response time and recovery time by [010] highly preferred-orientation silicalite-1 layer coated on SnO2 thin film sensor for selective ethylene gas detection. 2010 , 144, 73-80	36
1207	Detection of HER2 breast cancer biomarker using the opto-fluidic ring resonator biosensor. 2010 , 146, 226-230	120
1206	Adsorption of 2-nitrophenol by multi-wall carbon nanotubes from aqueous solutions. 2010 , 256, 4447-4455	132
1205	Removal of emulsified oil from oily wastewater using agricultural waste barley straw. 2010, 49, 78-83	159
1204	Product desorption limitations in selective photocatalytic oxidation. 2010 , 155, 302-310	17
1203	Synthesis and characterization of nitrogen-doped TiO2/AC composite for the adsorption photocatalytic degradation of aqueous bisphenol-A using solar light. 2010 , 151, 8-13	63
1202	Activated carbon/CoFe2O4 composites: Facile synthesis, magnetic performance and their potential application for the removal of malachite green from water. 2010 , 156, 243-249	281
1201	Insights into the modeling of adsorption isotherm systems. 2010 , 156, 2-10	4488
1200	Chromium (VI) removal by methylated biomass of Spirulina platensis: The effect of methylation process. 2010 , 156, 264-269	59
1199	Biosorption of Cu(II), Cd(II) and Pb(II) by Acacia leucocephala bark powder: Kinetics, equilibrium and thermodynamics. 2010 , 157, 357-365	131
1198	Batch adsorption of 4-nitrophenol by acid activated jute stick char: Equilibrium, kinetic and thermodynamic studies. 2010 , 158, 173-180	136
1197	Equilibrium and kinetics of adsorption of fluoride onto zirconium impregnated cashew nut shell carbon. 2010 , 158, 451-457	164
1196	Removal of arsenic(V) onto chitosan: From sorption mechanism explanation to dynamic water treatment process. 2010 , 158, 593-598	63
1195	Adsorptive separation of Ginsenoside from aqueous solution by polymeric resins: Equilibrium, kinetic and thermodynamic studies. 2010 , 161, 34-45	34
1194	Copper sorption from aqueous solutions and sugar cane spirits by chemically modified babassu coconut (Orbignya speciosa) mesocarp. 2010 , 161, 99-105	51
1193	Hybrid isotherms for adsorption and capillary condensation of N2 at 77K on porous and non-porous materials. 2010 , 162, 424-429	42
1192	Adsorptive performance of an amine-functionalized poly(hydroxyethylmethacrylate)-grafted tamarind fruit shell for vanadium(V) removal from aqueous solutions. 2010 , 165, 142-150	45

1191	UV-light induced photocatalytic decolorization of Rhodamine 6G molecules over BiOCl from aqueous solution. 2010 , 165, 250-257	96
1190	Removal of lead from aqueous solution by hydroxyapatite/magnetite composite adsorbent. 2010 , 165, 827-834	170
1189	A thermodynamically consistent explicit competitive adsorption isotherm model based on second-order single component behaviour. 2010 , 1217, 2132-7	17
1188	Behavior of human serum albumin on strong cation exchange resins: I. experimental analysis. 2010 , 1217, 5484-91	20
1187	Impact of CO2 injection and differential deformation on CO2 injectivity under in-situ stress conditions. 2010 , 81, 97-108	78
1186	Adsorption of organic pollutants from coking wastewater by activated coke. 2010 , 362, 140-146	91
1185	Adsorption of cellulase Aspergillus niger on a commercial activated carbon: kinetics and equilibrium studies. 2010 , 75, 93-9	84
1184	Ca(2+) adsorption to lipid membranes and the effect of cholesterol in their composition. 2010 , 76, 215-20	34
1183	Removal and recovery of Ni and Zn from aqueous solution using activated carbon from Hevea brasiliensis: batch and column studies. 2010 , 78, 291-302	86
1182	Removal of Zn (II) from aqueous solution by using hybrid precursor of silicon and carbon. 2010 , 101, 3355-62	27
1181	Synthesis of nano-hydroxyapatite chitin/chitosan hybrid biocomposites for the removal of Fe(III). 2010 , 82, 594-599	86
1180	Effect of nanostructure alumina on adsorption of heavy metals. 2010 , 253, 94-100	166
1179	Adsorption of Cu(II) from aqueous solution by using modified Fe3O4 magnetic nanoparticles. 2010 , 254, 162-169	149
1178	Batch adsorption of 2,4-dichlorophenol onto activated carbon derived from agricultural waste. 2010 , 255, 159-164	56
1177	Studies on Chromium (VI) adsorption on sulfonated lignite. 2010 , 255, 61-66	55
1176	Fluoride removal efficiency from aqueous solution by synthetic iron(III) Bluminum(III) Bhromium(III) ternary mixed oxide. 2010 , 255, 44-51	127
1175	Synthesis and characterization of Hg(II)-ion-imprinted polymer: Kinetic and isotherm studies. 2010 , 257, 177-183	81

(2010-2010)

1173	Removal of Cr(VI) from aqueous solution by polysulfone microcapsules containing Cyanex 923 as extraction reagent. 2010 , 259, 179-186	44
1172	Fast removal of organic dyes from aqueous solutions by AC/ferrospinel composite. 2010 , 262, 134-140	61
1171	Novel biosorbent (Canola hull): Surface characterization and dye removal ability at different cationic dye concentrations. 2010 , 264, 134-142	68
1170	Mineral waste from coal mining for removal of astrazon red dye from aqueous solutions. 2010 , 264, 181-187	16
1169	Untersuchungen zur Kinetik der Reaktion von festem Calciumchlorid mit Fluorwasserstoffgas. 2010 , 20, 354-355	3
1168	Catalyse HElogile et Adsorption. 2010 , 40, 249-280	5
1167	Die Adsorption von Aromatischen Süren an Kohle. I. Einfluss der L\(\mathbb{B}\)lichkeit, der Assoziation und der Orientierung in der Grenzschicht. Absorptionsaffinit\(\mathbb{B}\) und Spezifische Adsorption. 2010 , 50, 377-406	1
1166	Kinetics and Thermodynamics of Cd(II) Ions Sorption on Mixed Sorbents Prepared from Olive Stone and Date Pit from Aqueous Solution. 2010 , 6, 470-476	8
1165	Biosorption of Cr(VI) from AqueousSolution Using New Adsorbent: Equilibrium and Thermodynamic Study. 2010 , 7, S488-S494	3
1164	Microheterogeneous catalysis. 2010 , 15, 4815-74	7
1164	Microheterogeneous catalysis. 2010, 15, 4815-74 Adsorption of Organophosphorous Pesticide from Aqueous Solution Using Wastellute Fiber Carbon. 2010, 4,	7
	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using Wastellute Fiber	
1163	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using WasteDute Fiber Carbon. 2010, 4, Poly (furfural-acetone) as New Adsorbent for Removal of Cu(II) from Aqueous Solution: Equilibrium	25
1163	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using WasteDute Fiber Carbon. 2010, 4, Poly (furfural-acetone) as New Adsorbent for Removal of Cu(II) from Aqueous Solution: Equilibrium Study. 2010, 7, 157-165 The adsorption and release of sulfur in mineral and organic soils of the Athabasca Oil Sands Region,	25
1163 1162 1161	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using Wastellute Fiber Carbon. 2010, 4, Poly (furfural-acetone) as New Adsorbent for Removal of Cu(II) from Aqueous Solution: Equilibrium Study. 2010, 7, 157-165 The adsorption and release of sulfur in mineral and organic soils of the Athabasca Oil Sands Region, Alberta, Canada. 2010, 39, 1108-12 Removal of methyl red from aqueous solution by activated carbon prepared from the Annona	2537
1163 1162 1161 1160	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using Wastellute Fiber Carbon. 2010, 4, Poly (furfural-acetone) as New Adsorbent for Removal of Cu(II) from Aqueous Solution: Equilibrium Study. 2010, 7, 157-165 The adsorption and release of sulfur in mineral and organic soils of the Athabasca Oil Sands Region, Alberta, Canada. 2010, 39, 1108-12 Removal of methyl red from aqueous solution by activated carbon prepared from the Annona squmosa seed by adsorption. 2010, 14, Kinetic and equilibrium studies on fluoride removal by zirconium (IV): Impregnated groundnut shell	25 3 7 44
1163 1162 1161 1160	Adsorption of Organophosphorous Pesticide from Aqueous Solution Using WasteDute Fiber Carbon. 2010, 4, Poly (furfural-acetone) as New Adsorbent for Removal of Cu(II) from Aqueous Solution: Equilibrium Study. 2010, 7, 157-165 The adsorption and release of sulfur in mineral and organic soils of the Athabasca Oil Sands Region, Alberta, Canada. 2010, 39, 1108-12 Removal of methyl red from aqueous solution by activated carbon prepared from the Annona squmosa seed by adsorption. 2010, 14, Kinetic and equilibrium studies on fluoride removal by zirconium (IV): Impregnated groundnut shell carbon. 2010, 64, 295-304 A comparative study of phosphate sorption in lowland soils under oxic and anoxic conditions. 2010,	25 3 7 44 56

1155	Modification of Cereal Straws as Natural Sorbents for Removing Metal Ions from Industrial Waste Water. 2010 , 219-237	2
1154	Synthesis and Adsorption Property of Mesoporous Molecular Sieve MCM-41 from Iron Ore Tailings. 2010 , 92, 255-262	
1153	Single-gene tuning of Caulobacter cell cycle period and noise, swarming motility, and surface adhesion. 2010 , 6, 445	17
1152	Critical Thickness of a Low Permeable Coal Bed for Horizontal Well Production in China. 2010 , 33, 307-316	4
1151	A Coupled Model of Two-Phase Diffusion and Flow through Deforming Porous Cosserat Media. 2010 , 297-301, 281-293	1
1150	Sorption of Acid Blue 9 on to Wheat Bran: Optimization, Equilibrium and Kinetic Studies. 2010 , 5,	
1149	Adsorption of Nickel in Water by Brown Algae: Laminaria Japonica and Undaria Pinnatifida. 2010,	
1148	Adsorption of As(III), As(V), Cd(II), Cu(II), and Pb(II) from Aqueous Solutions by Natural Muscovite. 2010 , 45, 814-823	29
1147	Glycin Modification of Spherical Cellulose for Chromium Ions Removal from Wastewater. 2010,	
1146	Transparent film heater based on single-walled carbon nanotubes. 2010 ,	
1146	Transparent film heater based on single-walled carbon nanotubes. 2010 , Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010 , 132, 104702	5
	Analytical and molecular simulation study of water condensation behavior in mesopores with	5
1145	Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010 , 132, 104702 Adsorption of Cu(II) and Cr(VI) onto Treated Shorea dasyphylla Bark: Isotherm, Kinetics, and	
1145 1144	Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010 , 132, 104702 Adsorption of Cu(II) and Cr(VI) onto Treated Shorea dasyphylla Bark: Isotherm, Kinetics, and Thermodynamic Studies. 2010 , 45, 486-496	11
1145 1144 1143	Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010 , 132, 104702 Adsorption of Cu(II) and Cr(VI) onto Treated Shorea dasyphylla Bark: Isotherm, Kinetics, and Thermodynamic Studies. 2010 , 45, 486-496 Biosorption of Copper Ions by Bacillus cereus M1 16 from Aqueous Solution. 2010 , 51, 203-214 Removal of Toxic Cr(VI) Ions from Aqueous Solution Using Nano-Hydroxyapatite-Based Chitin and	3
1145 1144 1143	Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010, 132, 104702 Adsorption of Cu(II) and Cr(VI) onto Treated Shorea dasyphylla Bark: Isotherm, Kinetics, and Thermodynamic Studies. 2010, 45, 486-496 Biosorption of Copper Ions by Bacillus cereus M1 16 from Aqueous Solution. 2010, 51, 203-214 Removal of Toxic Cr(VI) Ions from Aqueous Solution Using Nano-Hydroxyapatite-Based Chitin and Chitosan Hybrid Composites. 2010, 28, 49-64 Adsorption of anionic dyes in aqueous solution using chemically modified barley straw. 2010, 62, 1177-82	3 39
1145 1144 1143 1142	Analytical and molecular simulation study of water condensation behavior in mesopores with closed ends. 2010, 132, 104702 Adsorption of Cu(II) and Cr(VI) onto Treated Shorea dasyphylla Bark: Isotherm, Kinetics, and Thermodynamic Studies. 2010, 45, 486-496 Biosorption of Copper Ions by Bacillus cereus M1 16 from Aqueous Solution. 2010, 51, 203-214 Removal of Toxic Cr(VI) Ions from Aqueous Solution Using Nano-Hydroxyapatite-Based Chitin and Chitosan Hybrid Composites. 2010, 28, 49-64 Adsorption of anionic dyes in aqueous solution using chemically modified barley straw. 2010, 62, 1177-82	3 39 56

1137 Notice of Retraction: Adsorption of Cr(IV) from aqueous solution using peanut shell. 2010,

1136	Surpassing specificity limits of nucleic acid probes via cooperativity. 2010 , 12, 359-67	6
1135	The role of precursor states in adsorption, surface reactions and catalysis. 2010 , 22, 263002	4
1134	Prediction of Equillibrium Sorption Isotherm: Comparison of Linear and Nonlinear Methods. 2010 , 49, 2882-2888	50
1133	Adsorption Behavior of Nano Sized Sol-Gel Derived TiO2-SiO2 Binary Oxide in Removing Pb2+ Metal Ions. 2010 , 45, 801-808	9
1132	Adsorption Properties of MgO(111) Nanoplates for the Dye Pollutants from Wastewater. 2010 , 55, 3742-3748	135
1131	Preparation of Modified Chitin for the Removal of Chromium(VI). 2010 , 14, 208-218	17
1130	Studies on the Adsorption of 2-Naphthalenesulfonic Acid on Basic Resin from Effluents. 2010 , 55, 5801-5806	8
1129	Kinetics, Mechanistic, Equilibrium, and Thermodynamic Studies on the Adsorption of Acid Red Dye from Wastewater by Fe2O3 Nanoadsorbents. 2010 , 45, 1092-1103	89
1128	Thermal Behavior of Transparent Film Heaters Made of Single-Walled Carbon Nanotubes. 2010 , 114, 5817-5821	53
1127	Adsorption Thermodynamic and Kinetic Studies of Fluoride Aqueous Solution Treated with Waste Iron Oxide. 2010 , 45, 370-379	12
1126	Equilibrium and Kinetic Modeling of Pb(II) Biosorption by a Chemically Modified Orange Peel Containing Cyanex 272 2010 , 55, 4147-4153	27
1125	Diffusion-limited adsorption to a spherical geometry: the impact of curvature and competitive time scales. 2010 , 82, 011604	68
1124	Liquid phase adsorption of Indigo Carmine and Methylene Blue on Neem bark. 2010 , 24, 74-84	10
1123	Engineered lactic acid bacterium Lactococcus lactis capable of binding antibodies and tumor necrosis factor alpha. 2010 , 76, 6928-32	31
1122	Adsorption of Picric Acid from Aqueous Solution by the Weakly Basic Adsorbent Amberlite IRA-67. 2010 , 55, 3290-3296	22
1121	The biosorption of Safranine onto Parthenium hysterophorus L: Equilibrium and kinetics investigation. 2010 , 22, 146-155	8
1120	Semiconductor-mediated photocatalyzed degradation of erythrosine dye from wastewater using TiO2 catalyst. 2010 , 31, 1403-10	16

Adsorption Thermodynamic and Kinetic Study of Manganese Removal from Ground Water onto Zeolite. **2010**,

1118	Adsorption Kinetics and Thermodynamics of Methylene Blue onto p-tert-Butyl-calix[4,6,8]arene-Bonded Silica Gel. 2010 , 55, 5109-5116	59
1117	Beta-lactoglobulin polysaccharide complexes as nanovehicles for hydrophobic nutraceuticals in non-fat foods and clear beverages. 2010 , 20, 686-693	132
1116	Preparation and application of alumina/chitosan biocomposite. 2010 , 47, 146-54	94
1115	Preparation and metal uptake studies of modified forms of chitin. 2010 , 47, 583-9	29
1114	Adsorption of Glyphosate and Glufosinate by Ni2AlNO3 layered double hydroxide. 2010 , 47, 362-371	68
1113	Selective fluoride adsorption by a hydrotalcite/chitosan composite. 2010 , 48, 607-611	90
1112	Tramadol hydrochloride/montmorillonite composite: Preparation and controlled drug release. 2010 , 49, 108-112	42
1111	Uniform polyaniline microspheres: A novel adsorbent for dye removal from aqueous solution. 2010 , 160, 762-767	98
1110	Dynamics of thinning of foam films stabilized by n-dodecyl-beta-maltoside. 2010 , 26, 4865-72	11
1109	Adsorption of obidoxime onto human serum albumin nanoparticles: drug loading, particle size and drug release. 2010 , 27, 506-13	35
1108	Ni nanocomposite films formed by Ni nanowires embedded in Ni matrix using electrodeposition. 2010 , 20, 637-642	4
1107	Textile Dye Removal from Single and Ternary Systems Using Date Stones: Kinetic, Isotherm, and Thermodynamic Studies. 2010 , 55, 4638-4649	60
1106	DNA surface hybridization: comparison of theory and experiment. 2010 , 114, 7631-40	95
1105	Adsorption of Cationic Dye (Methylene Blue) from Water Using Polyaniline Nanotubes Base. 2010 , 114, 14377-14383	298
1104	The Removal of Hg (II) Ions from Laboratory Wastewater onto Phosphorylated Haloxylon ammodendron: Kinetic and Equilibrium Studies. 2010 , 49, 1463-1472	9
1103	Equilibrium and Thermodynamic Studies on the Adsorption of the Dye Tartrazine onto Waste Coconut Husks Carbon and Activated Carbon. 2010 , 55, 5083-5090	54
1102	Role of Surfactants in Suppressing Aging of Silica P oly(dimethylsiloxane) Gels. 2010 , 43, 8233-8238	

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1101	electrogenerated chemiluminescence sensors. 2010 , 82, 5046-52	94
1100	Single and Binary System Dye Removal from Colored Textile Wastewater by a Dendrimer as a Polymeric Nanoarchitecture: Equilibrium and Kinetics. 2010 , 55, 4660-4668	70
1099	Characterization of macroporous carbon-cryostructured particle gel, an adsorbent for small organic molecules. 2010 , 6, 5562	25
1098	Adsorption Characteristics of Chitosan-g-Poly(acrylic acid)/Attapulgite Hydrogel Composite for Hg(II) Ions from Aqueous Solution. 2010 , 45, 2086-2094	41
1097	Physicochemical Aspects on Fluoride Adsorption for Removal from Water by Synthetic Hydrous Iron(III) IChromium(III) Mixed Oxide. 2010 , 45, 472-485	33
1096	Nitric acid-treated bamboo waste as low-cost adsorbent for removal of cationic dye from aqueous solution. 2010 , 21, 357-363	12
1095	Biosorption of copper from wastewater by activated carbon preparation from alga Sargassum sp. 2010 , 24, 341-8	14
1094	Surfactant-modified MFI nanosheets: a high capacity anion-exchanger. 2011 , 47, 902-4	33
1093	Microwave-assisted synthesis of icosahedral nickel nanocrystals. 2011 , 13, 2023	11
1092	Response Surface Modeling and Optimization of Remazol Brilliant Blue Reactive Dye Removal Using Periwinkle Shell-Based Activated Carbon. 2011 , 46, 2367-2379	22
1091	How to control the scaling of CaCO3: a "fingerprinting technique" to classify additives. 2011 , 13, 16811-20	83
1090	Adsorptive Removal and Recovery of U(VI), Cu(II), Zn(II), and Co(II) from Water and Industry Effluents. 2011 , 15, 39-56	9
1089	Sorption of Acid Blue 9 Using Hydrilla verticillata Biomass ptimization, Equilibrium, and Kinetics Studies. 2011 , 15, 57-67	11
1088	Notice of Retraction: Adsorption Isotherms for Fluoride Adsorption onto Ca-Rectorite: Comparison of Linear and Nonlinear Method. 2011 ,	
1087	Facile preparation of magnetic separable powdered-activated-carbon/Ni adsorbent and its application in removal of perfluorooctane sulfonate (PFOS) from aqueous solution. 2011 , 46, 1482-90	20
1086	Thermal modified palygorskite: Preparation, characterization, and application for cationic dye-containing wastewater purification. 2011 , 30, 339-347	17
1085	Evaluation of Acid-Treated Palm Shell Powder for Its Effectiveness in the Adsorption of Organophosphorus Pesticides: Isotherm, Kinetics, and Thermodynamics. 2011 , 56, 2407-2415	23
1084	Continuous Flow Stirred Cell Microfiltration of Ion Exchange Media to Determine Mass Transfer Kinetics and Equilibrium Data. 2011 , 50, 2408-2417	5

1083	Kinetics and Equilibria of Cd(II) Adsorption onto a Chemically Modified Lawny Grass with H[BTMPP]. 2011 , 56, 1059-1068	23
1082	Coalbed Methane: Current Field-Based Evaluation Methods. 2011 , 14, 60-75	49
1081	Validation of arrayed imaging reflectometry biosensor response for protein-antibody interactions: cross-correlation of theory, experiment, and complementary techniques. 2011 , 83, 3750-7	17
1080	Film Diffusion Mechanism of Methyl Parathion in Biopolymers: Kinetics and Thermodynamic Equilibrium. 2011 , 56, 4024-4030	7
1079	Sorption of perfluorochemicals to granular activated carbon in the presence of ultrasound. 2011 , 115, 2250-7	56
1078	Cosorption of phenanthrene and mercury(II) from aqueous solution by soybean stalk-based biochar. 2011 , 59, 12116-23	144
1077	Complex Formation, Metal Uptake, and Sorption Kinetics of a Chemically Modified Chlorosulfonated Polystyrene with Aminosalicylic Acid. 2011 , 56, 1827-1839	11
1076	Separation and Purification of Gases by MOFs. 2011 , 69-97	4
1075	Optimum Sorption Isotherm by Linear and Nonlinear Methods for Safranin onto Alkali-Treated Rice Husk. 2011 , 15, 77-89	62
1074	Equilibrium, Kinetics, and Thermodynamics of Dye Removal Using Alginate in Binary Systems. 2011 , 56, 2802-2811	95
1073	Parameter Identification of the Langmuir Model for Adsorption and Desorption Kinetic Data. 2011 , 97-106	
1072	Adsorption of Dyes on Hierarchical Mesoporous TiO2 Fibers and Its Enhanced Photocatalytic Properties. 2011 , 115, 5708-5719	96
1071	Solid-Gas Interaction. 2011 , 59-145	8
1070	Carboxymethyl Inulin Biopolymers: A Green Alternative for Phosphonate Calcium Carbonate Growth Inhibitors. 2011 , 11, 4155-4165	36
1069	Adsorption of Methyl Orange from Aqueous Solution on Hydrothermal Synthesized MgAl Layered Double Hydroxide. 2011 , 56, 4217-4225	187
1068	WITHDRAWN: Preparation and characterization of silica gel/chitosan composite for the removal of Cu(II) and Pb(II). 2011 ,	
1067	Rapid, label-free, electrical whole blood bioassay based on nanobiosensor systems. 2011 , 5, 9883-91	63
1066	Mechanistic, Kinetic, and Thermodynamic Evaluation of Adsorption of Hazardous Malachite Green onto Conch Shell Powder. 2011 , 46, 1966-1976	25

1065	New chelating resin for preconcentration and determination of molybdenum by inductive couple plasma atomic emission spectroscopy. 2011 , 8, 501-512	9
1064	Nettle ash as a low cost adsorbent for the removal of nickel and cadmium from wastewater. 2011 , 8, 195-202	40
1063	Adsorption of Sulfate Ions from Aqueous Solution by Surfactant-Modified Palygorskite. 2011 , 56, 3890-3896	40
1062	Surfactant adsorption kinetics by total internal reflection Raman spectroscopy. 1. Pure surfactants on silica. 2011 , 115, 7341-52	25
1061	Equilibrium and Kinetic Studies on Reactive Dye Adsorption Using Palm Shell Powder (An Agrowaste) and Chitosan. 2011 , 56, 35-42	39
1060	Biosorption of Methylene Blue from Aqueous Solution Using Lawny Grass Modified with Citric Acid. 2011 , 56, 3392-3399	48
1059	Biomanagement of Metal-Contaminated Soils. 2011,	22
1058	Removal of malachite green from dye wastewater using mesoporous carbon adsorbent. 2011 , 8, S67-S76	38
1057	Modeling the interfacial tension in oil-water-nonionic surfactant mixtures using dissipative particle dynamics and self-consistent field theory. 2011 , 115, 4654-61	57
1056	Hybrid Nanomaterials in Ultrathin Films: the Sol-Gel Method and ⊡Conjugated Polymers. 2011 , 1017-1049	1
1055	Activated Neem Leaf: A Novel Adsorbent for the Removal of Phenol, 4-Nitrophenol, and 4-Chlorophenol from Aqueous Solutions. 2011 , 56, 3004-3016	39
1054	Nonlinear and Complex Dynamics. 2011,	4
1053	Effect of colloidal particle size on adsorbed monodisperse and bidisperse monolayers. 2011 , 27, 8729-34	10
1052	Iron-Impregnated Weakly Basic Resin for the Removal of 2-Naphthalenesulfonic Acid from Aqueous Solution. 2011 , 56, 3881-3889	13
1051	Removal of Trace Arsenic to Meet Drinking Water Standards Using Iron Oxide Coated Multiwall Carbon Nanotubes. 2011 , 56, 2077-2083	121
1050	Sorption Profile of Hg(II) onto Mixed Phase of Copper Sulphide and Copper Sulphate. 2011 , 356-360, 537-546	O
1049	Adsorption, desorption, and thermodynamic studies of CO2 with high-amine-loaded multiwalled carbon nanotubes. 2011 , 27, 8090-8	116
1048	Kinetic and Equilibrium Studies on Adsorptive Removal of Toluidine Blue by Water-Insoluble Starch Sulfate. 2011 , 56, 1875-1881	20

1047	Adsorption of Methylene Blue from Aqueous Solution with Activated Carbon/Cobalt Ferrite/Alginate Composite Beads: Kinetics, Isotherms, and Thermodynamics. 2011 , 56, 3475-3483	177
1046	Enhanced Cationic Dyes Removal from Aqueous Solution by Oxalic Acid Modified Rice Husk. 2011 , 56, 1882-1891	82
1045	Multiwalled Carbon Nanotubes as Adsorbents for the Kinetic and Equilibrium Study of the Removal of Alizarin Red S and Morin. 2011 , 56, 2511-2520	221
1044	Preparation of activated carbon from Enteromorpha prolifera and its use on cationic red X-GRL removal. 2011 , 257, 10621-10627	52
1043	Heteropoly blue-intercalated layered double hydroxides for cationic dye removal from aqueous media. 2011 , 54, 242-247	54
1042	Sorption and desorption of dissolved organic phosphorus onto iron (oxyhydr)oxides in seawater. 2011 , 75, 4095-4112	82
1041	Adsorption Thermodynamics and Kinetics of Malachite Green onto Ca(OH)2-Treated Fly Ash. 2011 , 137, 388-397	23
1040	Removal of copper(II) using chitin/chitosan nano-hydroxyapatite composite. 2011 , 48, 119-24	107
1039	Continuous water treatment by adsorption and electrochemical regeneration. 2011 , 45, 3065-74	53
1038	HI 6 human serum albumin nanoparticlesdevelopment and transport over an in vitro blood-brain barrier model. 2011 , 206, 60-6	52
1037	Dominant Intermediate Charcot-Marie-Tooth disorder is not due to a catalytic defect in tyrosyl-tRNA synthetase. 2011 , 50, 7132-45	30
1036	Metal Oxide Nanoparticles for Asphaltene Adsorption and Oxidation. 2011 , 25, 1017-1023	212
1035	Use of Biosurfactants in the Removal of Heavy Metal Ions from Soils. 2011 , 183-223	11
1034	Accurate estimation of homologue-specific DNA concentration-ratios in cancer samples allows long-range haplotyping. 2011 ,	12
1033	Correlations. 2011 , 14, 1-24	2
1032	Cellulosic substrates for removal of pollutants from aqueous systems: A review. 1. Metals. 2011 , 6, 2161-2287	124
1031	Modeling Self-Assembly Across Scales: The Unifying Perspective of Smart Minimal Particles. 2011 , 2, 82-115	11
1030	Basics of HTS Assay Design and Optimization. 159-172	1

1029	Mercury Removal. 2011 , 247-292	5
1028	A Mathematical Model for Ni Phyto-Extraction from Contaminated Soils. 2011 ,	
1027	PORE STRUCTURE MODEL OF CEMENT HYDRATES CONSIDERING PORE WATER CONTENT AND REACTION PROCESS UNDER ARBITRARY HUMIDITY. 2011 , 67, 264-279	
1026	Batch sorption of lead (II) from aqueous solutions using natural kaolinite. 2011 , 8, 258	6
1025	Modelling and Simulation of a New Dual Porosity CBM Reservoir Model with an Improved Permeability Model through Horizontal Wells. 2011 ,	1
1024	Pre-treatment of industrial wastewater polluted with lead using adsorbents and ultrafiltration or microfiltration membranes. 2011 , 83, 298-312	9
1023	The Influence of Stirring upon the Adsorption of a Cationic Surfactant onto Activated Carbon Particles. 2011 , 29, 99-116	2
1022	Laboratory Experiment on Coalbed-Methane Desorption Influenced by Water Injection and Temperature. 2011 , 50, 24-33	19
1021	Adsorption of Heavy Metal Ions from Aqueous Solution onto Sepiolite. 2011 , 29, 569-584	15
1020	Synthesis, Characterization and Application of a New Chelating Resin Containing 2-(4-Methylbenzylidene)hydrazone. 2011 , 29, 917-926	2
1019	Adsorption behavior of Pb(II) onto xanthated rubber (Hevea brasiliensis) leaf powder. 2011 , 13, 84-88	2
1018	Sorption Dynamics and Process Development for Removal of Copper from Aqueous Solution Using a Biosorbent Based on Mango Tree Leaves. 2011 ,	1
1017	Stimulated adsorption and capillary condensation. 2011 , 52, 107-115	6
1016	A standardization for BET fitting of adsorption isotherms. 2011 , 145, 188-193	26
1015	Carbon composite beads for immobilization of carbonic anhydrase. 2011 , 71, 71-78	35
1014	A xenon gas purity monitor for EXO. 2011 , 659, 215-228	9
1013	Binding of heavy metal contaminants onto chitosansan evaluation for remediation of metal contaminated soil and water. 2011 , 92, 2675-82	34
1012	Development of adsorbent from Teflon waste by radiation induced grafting: equilibrium and kinetic adsorption of dyes. 2011 , 193, 17-26	35

1011	Novel hollow microspheres of hierarchical zinc-aluminum layered double hydroxides and their enhanced adsorption capacity for phosphate in water. 2011 , 192, 1114-21	171
1010	Preparation and properties of silver nanoparticles loaded in activated carbon for biological and environmental applications. 2011 , 192, 1321-9	71
1009	Removal of methylene blue from aqueous solution by a solvothermal-synthesized graphene/magnetite composite. 2011 , 192, 1515-24	618
1008	Surface activated carbon nanospheres for fast adsorption of silver ions from aqueous solutions. 2011 , 194, 162-8	138
1007	Removal of Chemazol Reactive Red 195 from aqueous solution by dehydrated beet pulp carbon. 2011 , 194, 303-11	39
1006	Synthesis, characterization and dye removal ability of high capacity polymeric adsorbent: polyaminoimide homopolymer. 2011 , 198, 87-94	25
1005	Superb fluoride and arsenic removal performance of highly ordered mesoporous aluminas. 2011 , 198, 143-50	119
1004	Removal of methylene blue from aqueous solution with magnetite loaded multi-wall carbon nanotube: kinetic, isotherm and mechanism analysis. 2011 , 198, 282-90	521
1003	Studies on fluoride adsorption of iron-impregnated granular ceramics from aqueous solution. 2011 , 125, 293-298	56
1002	Organic pollutants removal from 2,4,6-trinitrotoluene (TNT) red water using low cost activated coke. 2011 , 23, 1962-9	38
1001	Adsorptive Recovery of Uranium from Nuclear Fuel Industrial Wastewater by Titanium Loaded Collagen Fiber. 2011 , 19, 592-597	18
1000	Analysis of DNA-ligand binding in solution and on biochips. 2011 , 56, 1033-1040	2
999	Adsorbents from Schinopsis balansae: Optimisation of significant variables. 2011 , 33, 409-417	21
998	Adsorption of fluoride from aqueous solution by graphene. 2011 , 363, 348-54	226
997	Adsorption of phenol from water by N-butylimidazolium functionalized strongly basic anion exchange resin. 2011 , 364, 462-8	58
996	Amine-functionalized silica nanoparticle: Preparation, characterization and anionic dye removal ability. 2011 , 279, 61-68	101
995	Preparation and characterization of organo-montmorillonites. Application in adsorption of the 2,4,5-trichlorophenol from aqueous solution. 2011 , 22, 735-740	21
994	Biosorption of Cu(II) and Pb(II) ions from aqueous solution by natural spider silk. 2011 , 102, 8807-13	33

(2011-2011)

993	Utilization of rice husks as a feedstock for preparation of activated carbon by microwave induced KOH and K2CO3 activation. 2011 , 102, 9814-7	154
992	Preparation and characterization of activated carbon from sunflower seed oil residue via microwave assisted K2CO3 activation. 2011 , 102, 9794-9	82
991	Adsorption of Crystal Violet from aqueous solution onto NaOH-modified rice husk. 2011 , 86, 1533-1541	370
990	Experimental and modeling studies of lead (II) sorption onto a polyvinyl-chloride inclusion membrane. 2011 , 172, 817-827	27
989	Chitosan as an effective low-cost sorbent of heavy metal complexes with the polyaspartic acid. 2011 , 173, 520-529	67
988	Adsorption of textile dyes onto iron based waterworks sludge from aqueous solution; isotherm, kinetic and thermodynamic study. 2011 , 173, 782-791	104
987	Regeneration of spent bleaching earth by treatment with cethyltrimethylammonium bromide for application in elimination of acid dye. 2011 , 174, 275-280	25
986	Optimized waste tea activated carbon for adsorption of Methylene Blue and Acid Blue 29 dyes using response surface methodology. 2011 , 175, 233-243	175
985	Removal of Cd(II) and Ni(II) from aqueous solution by PVA/TEOS/TMPTMS hybrid membrane. 2011 , 175, 251-259	70
984	Application of response surface methodology for optimization of heavy metal biosorption using surfactant modified chitosan bead. 2011 , 175, 376-387	83
983	Comparative study of lead sorption onto natural perlite, dolomite and diatomite. 2011, 178, 317-323	110
982	Sorption of carbamazepine, 17\hat{\textbf{h}}thinylestradiol, iopromide and trimethoprim to biomass involves interactions with exocellular polymeric substances. 2011 , 82, 917-22	37
981	Potential of boronic acid functionalized magnetic particles in the adsorption of human antibodies under mammalian cell culture conditions. 2011 , 1218, 7821-7	28
980	Adsorption behavior of the catechins and caffeine onto polyvinylpolypyrrolidone. 2011 , 59, 4238-47	46
979	Modelling equilibrium data for manganese(II) sorption onto manganese dioxide modified chalcedonite using the non-linear regression method. 2011 , 43,	2
978	Enzyme Kinetics and Metabolic Control Analysis. 2011 , 215-269	
977	Sorption of aluminate from alkaline solutions on D-403 anion exchanger. 2011 , 85, 1995-1999	3
976	Synthesis of Crosslinked Chitosan with Epichlorohydrin Possessing Two Novel Polymeric Ligands and Its Use in Metal Removal. 2011 , 21, 69-80	44

975	Structural and Activity Investigation into Al3+, La3+ and Ce3+ Addition to the Phosphomolybdate Heteropolyanion for Isobutane Selective Oxidation. 2011 , 141, 374-390	9
974	Sorption of dyes on cellulose II: effect of alkali treatment of fibre and dye structure. 2011 , 18, 1063-1072	13
973	Adsorption characteristics of uranyl ions by manganese oxide coated sand in batch mode. 2011 , 288, 239-249	14
972	Equilibrium Modeling for Biosorption of Safranin onto Chemically Modified Biomass of Marine Aspergillus wentii. 2011 , 215, 679-691	7
971	Tannin-Based Coagulants in the Depuration of Textile Wastewater Effluents: Elimination of Anthraquinonic Dyes. 2011 , 222, 53-64	17
970	An effective adsorbent based on sawdust for removal of direct dye from aqueous solutions. 2011 , 13, 713-718	38
969	Removal of cephalexin from aqueous solutions by original and Cu(II)/Fe(III) impregnated activated carbons developed from lotus stalks Kinetics and equilibrium studies. 2011 , 185, 1528-35	120
968	Magnetic nanoparticle (Fe3O4) impregnated onto tea waste for the removal of nickel(II) from aqueous solution. 2011 , 186, 160-8	206
967	Selective adsorption of molybdenum(VI) from Mo-Re bearing effluent by chemically modified astringent persimmon. 2011 , 186, 1855-61	43
966	Adsorptive removal of phenol from aqueous solutions on activated carbon prepared from tobacco residues: equilibrium, kinetics and thermodynamics. 2011 , 189, 397-403	229
965	Comparison of adsorption equilibrium models for the study of CL-, NO3- and SO4(2-) removal from aqueous solutions by an anion exchange resin. 2011 , 190, 300-7	65
964	Effect of passivation on the sensitivity and stability of pentacene transistor sensors in aqueous media. 2011 , 26, 4217-21	25
963	Copper sorption onto dried red alga Pterocladia capillacea and its activated carbon. 2011, 168, 707-714	59
962	Removal of Hg(II) from aqueous solutions using a novel impregnated resin containing 1-(2-thiazolylazo)-2-naphthol (TAN). 2011 , 168, 1163-1173	55
961	Dye adsorption on autohydrolyzed pine sawdust in batch and fixed-bed systems. 2011 , 171, 883-896	75
960	Synthesis and characterization of thiol-functionalized silica nano hollow sphere as a novel adsorbent for removal of poisonous heavy metal ions from water: Kinetics, isotherms and error analysis. 2011 , 171, 1004-1011	158
959	Influence of the solvation process on solute adsorption in reversed phase liquid chromatography. 2011 , 1218, 1954-65	4
958	Fast cation-exchange separation of proteins in a plastic microcapillary disc. 2011 , 1218, 1409-15	14

(2011-2011)

957	Influence of protein adsorption kinetics on breakthrough broadening in membrane affinity chromatography. 2011 , 1218, 3966-72	22
956	New approach for consideration of adsorption/desorption data. 2011 , 16, 4643-4648	3
955	Textile wastewater purification through natural coagulants. 2011 , 1, 25-33	28
954	Comparative adsorption isotherms and modeling of methylene blue onto activated carbons. 2011 , 1, 111-117	143
953	Adsorption of Pb, Cd, Cu, Zn, and Ni to titanium dioxide nanoparticles: effect of particle size, solid concentration, and exhaustion. 2011 , 18, 386-95	249
952	Adsorption of methylene blue from aqueous solution onto hydrochloric acid-modified rectorite. 2011 , 26, 817-822	6
951	Experimental determination and modeling of equilibrium moisture content from the sapwood of Mexican pine (Pinus pseudostrobus Lindl.). 2011 , 13, 285-289	3
950	Biosorption of cadmium ions using Pleurotus ostreatus: Growth kinetics, isotherm study and biosorption mechanism. 2011 , 28, 825-830	33
949	Biological interactions at metal surfaces. 2011 , 63, 22-27	3
948	Selective recognition of 4-nitrophenol from aqueous solution by molecularly imprinted polymers with functionalized tetratitanate whisker composites as support. 2011 , 34, 1244-52	17
947	Hexavalent chromium sorption by biomass of chromium tolerant Pythium sp. 2011 , 51, 173-82	9
946	Sorptive sequestration of 2-chlorophenol by zeolitic materials derived from bagasse fly ash. 2011 , 86, 1265-1275	13
945	References. 2011 , 429-453	
944	Preparation and Application of Urea Electrochemical Sensor Based on Chitosan Molecularly Imprinted Films. 2011 , 23, 1454-1461	26
943	Adaptation of bagasse fly ash, a sugar industry solid waste into zeolitic material for the uptake of phenol. 2011 , 30, 358-367	12
942	Adsorption of disperse blue 2BLN by microwave activated red mud. 2011 , 30, 558-566	20
941	Removal of direct Red-31 and direct Orange-26 by low cost rice husk: Influence of immobilisation and pretreatments. 2011 , 89, 1554-1565	21
940	Removal of Ni(II) Using Cation Exchange Resins in Packed Bed Column: Prediction of Breakthrough Curves. 2011 , 39, 88-94	6

939	Malachite Green Removal from Aqueous Solution by the Peel of Cucumis sativa Fruit. 2011 , 39, 162-170	24
938	Adsorption of Amaranth Dye onto Alumina Reinforced Polystyrene. 2011 , 39, 74-82	79
937	Dye Removal from Colored Textile Wastewater by Poly(propylene imine) Dendrimer: Operational Parameters and Isotherm Studies. 2011 , 39, 673-679	30
936	Removal of Organochlorine Pesticides from Aqueous Solution by Using Neutralized Red Mud. 2011 , 39, 972-979	7
935	Removal of arsenic from aqueous solutions by an adsorption process with titanialilica binary oxide nanoparticle loaded polyacrylonitrile polymer. 2011 , 119, 3495-3503	16
934	Preparation and application of glycidyl methacrylate and methacrylic acid monomer mixture-grafted poly(ethylene terephthalate) fibers for removal of methylene blue from aqueous solution. 2011 , 119, 3034-3042	13
933	Synthesis and characterization of glutaraldehyde-crosslinked calcium alginate for fluoride removal from aqueous solutions. 2011 , 120, 3443-3452	33
932	The effect of pH on the removal of anionic dyes from colored textile wastewater using a biosorbent. 2011 , 120, 2996-3003	25
931	Dye adsorption and desorption properties of Mentha pulegium in single and binary systems. 2011 , 122, 1489-1499	37
930	Optimum Coagulant from Acacia mearnsii de Wild for Wastewater Treatment. 2011 , 34, 2069-2076	5
929	Synthesis of iron-based adsorbents and their application in the adsorption of molybdenum ions in nitric acid solution. 2011 , 166, 496-503	22
928	Defluoridation of water using calcined magnesia/pullulan composite. 2011 , 166, 765-771	31
927	Methylene blue adsorption on activated carbon prepared from Posidonia oceanica (L.) dead leaves: Kinetics and equilibrium studies. 2011 , 168, 77-85	232
926	Chemically modified silica gel with thiol group as an adsorbent for retention of some toxic soft metal ions from water and industrial effluent. 2011 , 168, 426-432	60
925	Removal of Cr(VI) from aqueous solution using modified corn stalks: Characteristic, equilibrium, kinetic and thermodynamic study. 2011 , 168, 909-917	159
924	Application of strongly basic anion exchangers for removal of heavy metal ions in the presence of green chelating agent. 2011 , 168, 994-1007	18
923	Adsorbent biopolymers from tannin extracts for water treatment. 2011 , 168, 1241-1247	58
922	Ammonia-modified activated carbon for the adsorption of 2,4-dichlorophenol. 2011 , 169, 180-185	108

921	Adsorption of 2,4,5-trichlorophenol by organo-montmorillonites from aqueous solutions: Kinetics and equilibrium studies. 2011 , 170, 120-126	59
920	Preparation of waste tea activated carbon using potassium acetate as an activating agent for adsorption of Acid Blue 25 dye. 2011 , 171, 502-509	193
919	Selective adsorption and separation of BPA from aqueous solution using novel molecularly imprinted polymers based on kaolinite/Fe3O4 composites. 2011 , 171, 603-611	144
918	Analysis of influence of process conditions on kinetics of malachite green biosorption onto beech sawdust. 2011 , 171, 976-985	49
917	Recovery of glucose from an aqueous ionic liquid by adsorption onto a zeolite-based solid. 2011 , 172, 184-190	29
916	Experimental and theoretical study of the adsorption of pure molecules and binary systems containing methane, carbon monoxide, carbon dioxide and nitrogen. Application to the syngas generation. 2011 , 66, 3850-3858	42
915	A validated model for the simulation of protein purification through affinity membrane chromatography. 2011 , 1218, 1677-90	39
914	Industrial wastes as low-cost potential adsorbents for the treatment of wastewater laden with heavy metals. 2011 , 166, 36-59	425
913	Mechanistic studies on the binding of Acid Yellow 99 on coir pith. 2011 , 102, 2394-9	53
912	Investigation on the removal of Mo(VI) from Mo-Re containing wastewater by chemically modified persimmon residua. 2011 , 102, 6857-62	43
911	Prostate specific antigen detection in patient sera by fluorescence-free BioCD protein array. 2011 , 26, 1871-5	23
910	Anti-corrosive properties of S. tinctoria and G. ouregou alkaloid extracts on low carbon steel. 2011 , 11, 714-724	66
909	Preparation and characterisation of demineralised tyre derived activated carbon. 2011, 49, 4674-4687	56
908	Sorption behaviour of copper on chemically modified chitosan beads from aqueous solution. 2011 , 83, 1082-1087	78
907	A dual poroelastic model for CO2-enhanced coalbed methane recovery. 2011 , 86, 177-189	93
906	Biosorption of Basic Green 4 from aqueous solution by Ananas comosus (pineapple) leaf powder. 2011 , 84, 520-7	141
905	Acylation de la cellulose par le chlorhydrate de chlorure de 3-pyridinoyl : application dans l\(\text{ldsorption} \) du plomb Pb2+. 2011 , 14, 539-547	6
904	Adsorption characteristics of methylene blue by peanut husk in batch and column modes. 2011 , 265, 119-125	188

903	Biosorption of heavy metals from aqueous solutions onto peanut shell as a low-cost biosorbent. 2011 , 265, 126-134	270
902	Adsorption thermodynamics, kinetics and isosteric heat of adsorption of malachite green onto chemically modified rice husk. 2011 , 265, 159-168	619
901	Removal of methylene blue from aqueous solution by montmorillonite/CoFe2O4 composite with magnetic separation performance. 2011 , 266, 72-77	155
900	The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. 2011 , 266, 274-280	127
899	Dye removal from colored textile wastewater using chitosan in binary systems. 2011 , 267, 64-72	111
898	Synthesis, characterization and sorption behavior of zirconium(IV) antimonotungstate: An inorganic ion exchanger. 2011 , 267, 277-285	16
897	Investigations on the batch and fixed-bed column performance of fluoride adsorption by Kanuma mud. 2011 , 268, 76-82	107
896	Adsorption of textile dyes on Pine Cone from colored wastewater: Kinetic, equilibrium and thermodynamic studies. 2011 , 268, 117-125	275
895	Potential of chemically activated and raw charcoals of Melocanna baccifera for removal of Ni(II) and Zn(II) from aqueous solutions. 2011 , 271, 301-308	41
894	Small-Sample Corrected Akaike Information Criterion: An appropriate statistical tool for ranking of adsorption isotherm models. 2011 , 272, 20-26	66
893	Manganese dioxide improves the efficiency of earthenware in fluoride removal from drinking water. 2011 , 272, 179-186	30
892	Binary system dye removal from colored textile wastewater using activated carbon: Kinetic and isotherm studies. 2011 , 272, 187-195	87
891	Kinetic and thermodynamic modeling for the removal of Direct Red-31 and Direct Orange-26 dyes from aqueous solutions by rice husk. 2011 , 272, 313-322	159
890	Equilibrium modeling of single and binary adsorption of Cd(II) and Cu(II) onto agglomerated nano structured titanium(IV) oxide. 2011 , 273, 330-342	51
889	Removal of anionic dyes from aqueous solution by leaching solutions of white mud. 2011 , 274, 255-261	29
888	Surface chemical properties and adsorption of Cu (II) on nanoscale magnetite in aqueous solutions. 2011 , 276, 154-160	55
887	Defatted Jojoba for the removal of methylene blue from aqueous solution: Thermodynamic and kinetic studies. 2011 , 276, 169-174	34
886	Defluorination of wastewater by calcium chloride modified natural zeolite. 2011 , 276, 246-252	94

885	Alkali treatment of cellulose II fibres and effect on dye sorption. 2011 , 84, 299-307	44
884	Dependence of carbon dioxide sorption on the petrographic composition of bituminous coals from the Czech part of the Upper Silesian Basin, Czech Republic. 2011 , 90, 312-323	17
883	Characterisation of lignite as an industrial adsorbent. 2011 , 90, 1567-1574	50
882	Common data analysis errors in batch adsorption studies. 2011 , 105, 314-320	233
881	Utilization of rarasaponin natural surfactant for organo-bentonite preparation: Application for methylene blue removal from aqueous effluent. 2011 , 142, 184-193	51
880	Defluoridation of drinking water using chitosan based mesoporous alumina. 2011 , 142, 454-463	114
879	Localized surface plasmon resonance (LSPR) and surface-enhanced Raman scattering (SERS) studies of 4-aminothiophenol adsorption on gold nanorods. 2011 , 993, 420-424	74
878	Removal of the hazardous dyellartrazine by photodegradation on titanium dioxide surface. 2011 , 31, 1062-1067	712
877	Adsorption and degradation performance of Rhodamine B over BiOBr under monochromatic 532nm pulsed laser exposure. 2011 , 397, 192-200	89
876	Analysis of relative pressure range influence on the identification quality during computer identification of adsorption system parameters by employing the new multilayer adsorption models. 2011 , 257, 8912-8922	14
875	Biosorption of heavy metals from aqueous solutions by chemically modified orange peel. 2011 , 185, 49-54	359
874	Study on adsorption and desorption properties of the starch grafted p-tert-butyl-calix[n]arene for butyl Rhodamine B solution. 2011 , 185, 914-21	43
873	Removal of fluoride from aqueous solution using granular acid-treated bentonite (GHB): batch and column studies. 2011 , 185, 1073-80	57
872	Removal of As(III) and As(V) from water by copper oxide incorporated mesoporous alumina. 2011 , 186, 367-75	101
871	Preparation and characterization of porous granular ceramic containing dispersed aluminum and iron oxides as adsorbents for fluoride removal from aqueous solution. 2011 , 186, 863-8	91
870	Adsorptive removal of Cu(II) from aqueous solutions using collagen-tannin resin. 2011 , 186, 1058-63	54
869	Removal of arsenite from water by synthetic siderite: behaviors and mechanisms. 2011 , 186, 1847-54	52
868	Pentachlorophenol sorption in nylon fiber and removal by immobilized Rhizopus oryzae ENHE. 2011 , 190, 707-12	15

867	Comparison of sorption behavior of Th(IV) and U(VI) on modified impregnated resin containing quinizarin with that conventional prepared impregnated resin. 2011 , 190, 755-65	55
866	Consequence of chitosan treating on the adsorption of humic acid by granular activated carbon. 2011 , 191, 380-7	58
865	Activated carbon obtained by pyrolysis of potato peel for the removal of heavy metal copper (II) from aqueous solutions. 2011 , 90, 42-47	59
864	Adsorptive removal of arsenic from water by an iron-zirconium binary oxide adsorbent. 2011 , 358, 230-7	195
863	Adsorption process of methyl orange dye onto mesoporous carbon material-kinetic and thermodynamic studies. 2011 , 362, 457-62	636
862	Hollow silicalite-1 sphere-polymer mixed matrix membranes for gas separation. 2011 , 77, 137-145	89
861	Controlling spatial density and size of nanocrystals by two-step atomic layer deposition. 2011 , 22, 095305	1
860	Activated carbon and multiwalled carbon nanotubes as efficient adsorbents for removal of arsenazo(Pand methyl red from waste water. 2011 , 93, 438-449	61
859	Adsorption behaviors and characteristics of methylene blue on fly ash in aqueous solutions. 2011,	
858	Adsorption of Methylene Blue onto Natural Rubber/Chitosan Blends. 2011 , 60, 766-775	24
857	Adsorptive removal of a synthetic textile dye using cocoa pod husks. 2011 , 93, 1298-1308	40
856	Monomethylolated Thiourea Lawdust as a New Adsorbent for Removal of Hg (II) from Contaminated Water: Equilibrium Kinetic and Thermodynamic Studies. 2011 , 50, 1220-1230	16
855	Adsorption of Cu(II) from Aqueous Solution by Peanut Shell. 2011, 347-353, 1852-1855	1
854	Absorption Equilibrium and Thermodynamics of Fenugreek Yellow Pigment on Macroporous Resins. 2011 , 233-235, 91-94	
853	Adsorption of congo red using ethylenediamine modified wheat straw. 2011 , 30, 195-206	38
852	Decolorization of Crude Tussilago farfara L.Polysaccharide by Resins. 2011 , 236-238, 1054-1057	1
851	Adsorption of Neutral Red from Solution by Bio-Chars Produced from Pyrolysis of Wheat Straw. 2011 , 322, 72-76	6
850	Historical Perspective on the Tools That Helped Shape Soil Chemistry. 2011 , 75, 2009-2036	4

849	Adsorptive Removal of Methylene Blue by Ginkgo Leaf Powder. 2011, 130-134, 829-832	1
848	The correct interpretation of tetramethylthiourea electrosorption data in 3 M NaClO4 solution. 2011 , 76, 1879-1893	
847	Thermodynamics and kinetics of dyeing and dyebath monitoring systems. 2011 , 184-206	
846	Adsorption of Copper (II) from Solution by Wheat Husk in Batch Mode. 2011 , 393-395, 1093-1097	
845	Removal of Cobalt-60 and Caesium-134 Ions from Contaminated Solutions by Sorption Using Activated Carbon. 2011 , 29, 331-344	13
844	Study of Adsorption Characteristics of Activated Carbon to Chromium from Aquatic Solution. 2011 ,	1
843	Development and characterization of chitosan coated biopolymer sorbent for the removal of fluoride ion from aqueous solutions. 2011 , 25, 159-169	6
842	Effect of Al Distribution on Carrier Generation of Atomic Layer Deposited Al-Doped ZnO Films. 2011 , 158, D277	33
841	Photodegradation of Hazardous Dye Naphthol Yellow S Over Titanium Dioxide. 2011 , 32, 1345-1352	8
840	Kinetic study of effect of amine based corrosion inhibitor in reducing corrosion rate of 1018 carbon steel in seawater solution. 2011 , 46, 767-776	4
839	Chemical modification of cellulose by acylation: Application to adsorption of methylene blue. 2011 , 13, 105-116	10
838	Bioremediation of Malathion from Environment by an Isolated Bacillus sp. S14. 2011 , 53, 68-83	
837	Removal of mercury(II) from aqueous solutions using the leaves of the Rambai tree (Baccaurea motleyana). 2011 , 83, 834-42	7
836	Preparation of mulberry branch biomass char and its usage in wastewater treatment. 2012 , 84, 2060-9	5
835	Modification of activated carbon by the alkaline treatment to remove the dyes from wastewater: mechanism, isotherm and kinetic. 2012 , 47, 322-333	52
834	Investigation the Adsorption of Heavy Oil from Solution by Low-Cost Material. 2012 , 463-464, 90-96	
833	Removal of cationic dyes from aqueous solutions using microspherical particles of fly ash. 2012 , 84, 162-9	1
832	New crosslinked hydrogels derivatives of 2-hydroxyethyl methacrylate: Synthesis, modifications and properties. 2012 , 6, 759-771	34

831	Adsorption of Cu2+ From Aqueous Solution onto Agricultural Solid Waste-Mentha: Characterization, Isotherms, and Kinetic Studies. 2012 , 33, 1188-1196	17
830	The Removal of Phosphate by Coal Gangue from Wastewater. 2012 , 209-211, 2005-2008	2
829	Removal of Lead Ions in an Aqueous Medium with Activated Carbon Fibers. 2012 , 1485, 21-28	
828	Kinetic Study and Equilibrium Isotherm Analysis of Cationic Dye Adsorption onto Attapulgite and Rectorite. 2012 , 446-449, 2960-2963	
827	Thermodynamics of Organic Dyes Adsorption onto Thermal Modified Rectorite. 2012 , 463-464, 194-197	
826	Research on absorption of ammonia by Nitric acid-modified Bamboo Charcoal at low temperature. 2012 , 47, 3-10	8
825	Gas flow behavior in extremely low permeability rock. 2012,	
824	NO-assisted molecular-beam epitaxial growth of nitrogen substituted EuO. 2012 , 100, 162405	
823	Development of Functional Adsorbent From Textile Cotton Waste by Radiation Induced Grafting Process: Equilibrium and Kinetic Studies of Acid Dye Adsorption. 2012 , 47, 1937-1947	10
822	Chemisorption on semiconductors: The role of quantum corrections on the space charge regions in multiple dimensions. 2012 , 100, 183106	10
821	Application of Porous N-Methylimidazolium Strongly Basic Anion Exchange Resins on Cr(VI) Adsorption from Electroplating Wastewater. 2012 , 47, 256-263	19
820	An investigation on the sorption behaviour of montmorillonite for selected organochlorine pesticides from water. 2012 , 33, 1239-45	8
819	Investigations on the batch performance of cationic dyes adsorption by citric acid modified peanut husk. 2012 , 49, 41-56	12
818	Hydrogen adsorption on the surface of metals. 2012 , 3-26	2
817	Characterization of bio-char from pyrolysis of wheat straw and its evaluation on methylene blue adsorption. 2012 , 46, 115-123	87
816	Biosorption of acid red from aqueous solutions onto peanut shell as a low-cost. 2012,	
815	Nonlinear Analysis of the Kinetics and Equilibrium for Adsorptive Removal of Cd(II) by Starch Phosphate. 2012 , 33, 403-409	11
814	Nitrates removal on PUROLITE A 520E resin: kinetic and thermodynamic studies. 2012 , 41, 1-8	6

813	Adsorption of Zn(II) onto Turkish soil: equilibrium, kinetic and thermodynamic studies. 2012, 45, 61-69	3
812	Isotherm, Kinetic, and Thermodynamic of Cationic Dye Removal from Binary System by Feldspar. 2012 , 47, 1660-1672	19
811	Potential of granulated modified nanozeolites Y for MTBE removal from aqueous solutions: Kinetic and isotherm studies. 2012 , 14, 1-8	11
810	References. 2012 , 683-688	
809	Conversion of agricultural residues into activated carbons for water purification: Application to arsenate removal. 2012 , 47, 1173-85	20
808	Adsorption of Copper Ions from Aqueous Solutions by Chitin. 2012 , 550-553, 2424-2427	О
807	Adsorption of Congo red onto mesoporous carbon material: equilibrium and kinetic studies. 2012 , 44, 118-127	17
806	REMOVAL OF STRONTIUM (II) FROM AQUEOUS SOLUTION USING FUNCTIONALIZED CARBON NANOTUBES. 2012 , 11, 1250019	2
805	Soy meal hull activated carbon: preparation, characterization and dye adsorption properties. 2012 , 44, 237-244	20
804	Removal of copper (II) from wastewater by heartwood powder of Areca catechu: kinetic and equilibrium studies. 2012 , 40, 194-203	11
803	Kinetics, Equilibrium, and Thermodynamic of Pb(II) Biosorption by Citric Acid Modified Lawny Grass Containing Cyanex272. 2012 , 47, 1552-1561	3
802	Role of modified activated carbon by H3PO4or K2CO3from natural adsorbent for removal of Pb(II) from aqueous solutions. 2012 , 13, 115-120	7
801	Adsorption of Methyl Orange from Solution by IOCZ in Batch Mode: Equilibrium Study. 2012 , 581-582, 33-36	1
800	Physicochemical properties of sodium lignosulfonates (NaLS) modified by laccase. 2012 , 66, 825-832	30
799	Sorption of Pb(II) and Cu(II) by low-cost magnetic eggshells-Fe3O4 powder. 2012 , 18, 221-231	16
798	Development of Polymer Composite Beads for Dye Adsorption. 2012 , 4, 440-454	17
797	Adsorption of direct yellow 27 from water by poorly crystalline hydroxyapatite prepared via precipitation method. 2012 , 41, 170-178	16
796	Regeneration of Caramel Saturated Activated Carbon jointly by Microwave and Extractive Method. 2012 , 10,	1

795	A comperative study for adsorption of methylene blue from aqueous solutions by two kinds of amberlite resin materials. 2012 , 45, 206-214	9
794	Kinetic and Thermodynamic Studies on the Adsorption of Reactive Red 239 by Carra Sawdust Treated with Formaldehyde. 2012 , 30, 881-899	7
793	Evaluation of Glass Beads Coated with Chitosan for the Adsorption of Copper(II) Ions from Aqueous Solution. 2012 , 30, 227-240	7
792	Investigation of efficiency of amberlite XAD-16 on adsorption of 2,4,6-trinitrophenol (TNP). 2012 , 39, 88-94	4
791	Transient Gas Flow in Unconventional Gas Reservoirs. 2012,	15
790	A Solids-Free Permeability Modifier for Application in Producing and Injection Wells. 2012,	Ο
7 ⁸ 9	Removal of Cu(II) from aqueous solutions by living and non-living cultured sludges: equilibrium modelling. 2012 , 15, 79	4
788	Sorbents for Gas Sampling. 2012 , 257-271	
787	Removal of malachite green from aqueous solutions using wheat bran: optimisation, equilibrium and kinetic studies. 2012 , 4, 1	5
786	Pb(II), Cu(II) and Cd(II) removal through untreated rice husk; thermodynamics and kinetics. 2012 , 28, 993-9	5
785	Adsorption of methylene blue onto biomass-based activated carbon by FeCl3 activation: Equilibrium, kinetics, and thermodynamic studies. 2012 , 97, 116-122	188
784	Adsorption of Novel Nonionic Surfactant and Particles Mixture in Carbonates: Enhanced Oil Recovery Implication. 2012 , 26, 4655-4663	126
783	Measurement, Modeling, and Diagnostics of Flowing Gas Composition Changes in Shale Gas Wells. 2012 ,	27
782	Adsorption of cephalexin onto activated carbons from Albizia lebbeck seed pods by microwave-induced KOH and K2CO3 activations. 2012 , 211-212, 200-207	112
781	Equilibrium and Kinetic Studies on the Removal of Basic Violet 10 from Aqueous Solutions Using Activated Carbons Prepared from Industrial Wastes. 2012 , 16, 86-96	5
780	Removal of Rhodamine B Dye Using Activated Carbon Prepared from Palm Kernel Shell and Coated with Iron Oxide Nanoparticles. 2012 , 47, 742-752	13
779	Nucleation in a gas-solid state reaction. 2012 , 47, 1164-1171	1
778	Linear viscoelasticity of ZrO 2 nanoparticle dispersions with associative polymers. 2012 , 51, 771-782	9

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777	Adsorption of ponceau 4R from aqueous solutions by polyamidoaminellyclodextrin crosslinked copolymer. 2012 , 74, 167-176	23
776	Biosorption of Malachite Green from Aqueous Solutions onto Polylactide/Spent Brewery Grains Films: Kinetic and Equilibrium Studies. 2012 , 20, 665-672	27
775	Adsorption of Phosphate from Aqueous Solution Using an IronZirconium Binary Oxide Sorbent. 2012 , 223, 4221-4231	89
774	Papaya (Carica papaya L.) Leaf Powder: Novel Adsorbent for Removal of Methylene Blue from Aqueous Solution. 2012 , 223, 4949-4958	11
773	Biosorption of Toxic Heavy Metal Ions from Water Environment Using Honeycomb BiomassAn Industrial Waste Material. 2012 , 223, 5967-5982	30
772	Photocatalytic degradation of Orange G dye under solar light using nanocrystalline semiconductor metal oxide. 2011 , 19, 2755-65	21
771	A low-cost and high efficient zirconium-modified-Na-attapulgite adsorbent for fluoride removal from aqueous solutions. 2012 , 183, 315-324	132
770	Adsorption of phosphate using mesoporous spheres containing iron and aluminum oxide. 2012 , 210, 143-149	63
769	Evaluation of modified mineral performance for chromate sorption from aqueous solutions. 2012 , 211-212, 77-88	32
768	Removal of nickel(II) ions by histidine modified chitosan beads. 2012 , 210, 590-596	71
767	Methylene blue (cationic dye) adsorption onto sugar beet pulp: Equilibrium isotherm and kinetic studies. 2012 , 43, 108-111	70
766	Preparation and characterization of lanthanum(III) loaded granular ceramic for phosphorus adsorption from aqueous solution. 2012 , 43, 783-789	62
765	Wastewater Treatment for Dyes and Heavy Metals Using Modified Pine Sawdust as Adsorbent. 2012 , 42, 1969-1982	18
764	Adsorption of the anthraquinone drug parietin on silver nanoparticles: A SERS and fluorescence study. 2012 , 63, 477-484	8
763	Reactions between bacterial exopolymers and goethite: A combined macroscopic and spectroscopic investigation. 2012 , 46, 5613-5620	81
762	Performance and characterization of a new tannin-based coagulant. 2012 , 2, 199-208	12
761	Biosorption of methylene blue from aqueous solutions by a waste biomaterial: hen feathers. 2012 , 2, 209-219	37
760	Removal of phenol from aqueous solution using carbonized Terminalia chebula-activated carbon: process parametric optimization using conventional method and Taguchi experimental design, adsorption kinetic, equilibrium and thermodynamic study. 2012 , 2, 317-326	25

759	Removal of a cationic dye Basic Red 12 Ifrom aqueous solution by adsorption onto animal bone meal. 2012 , 12, 48-54	22
758	Equilibrium modeling and thermodynamic parameters for adsorption of cationic dyes onto Yemen natural clay. 2012 , 44, 340-349	18
757	Solute adsorption to surfaces of articular cartilage explants: apparent versus actual partition coefficients. 2012 , 8, 11880	8
756	Adsorption of hazardous dyes indigo carmine and acid red on nanofiber membranes. 2012 , 2, 900-907	56
755	Combined Adsorption and Ultrafiltration Processes Employed for the Removal of Pollutants from Metal Plating Wastewater. 2012 , 47, 983-996	9
754	Adsorption of phenol from aqueous solutions using activated carbon prepared from crofton weed. 2012 , 37, 230-237	28
753	Validation of High Speed Earth Atmospheric Entry Radiative Heating from 9.5 to 15.5 km/s. 2012,	17
75 ²	Rapid Adsorption of Methylene Blue from Aqueous Solutions by Goethite Nanoadsorbents. 2012 , 29, 790-797	40
751	Assessing structure and dynamics of fibrinogen films on silicon nanofibers: towards hemocompatibility devices. 2012 , 8, 6582	11
75°	Adsorptive properties of acid-heat activated rectorite for Rhodamine B removal: equilibrium, kinetic studies. 2012 , 37, 259-267	10
749	Chromatographic and traditional albumin isotherms on cellulose: a model for wound protein adsorption on modified cotton. 2012 , 26, 939-61	5
748	Adsorptive Removal of 2,4-Dichlorophenoxyacetic Acid (2,4-D) from Aqueous Solutions Using MIEX Resin. 2012 , 51, 11226-11235	61
747	Oxidized multiwalled carbon nanotubes as efficient adsorbent for bromothymol blue. 2012 , 94, 873-883	63
746	In Situ Direct Observation of Adsorption and Desorption on a Single Crystal of 2,4,6-Trinitrophenol (TNP). 2012 , 12, 3557-3564	1
745	Removal of Acetic Acid from Fuel Ethanol Using Ion-Exchange Resin. 2012, 26, 7299-7307	12
744	Preparation and adsorption performance of MnO2/PAC composite towards aqueous glyphosate. 2012 , 33, 2049-56	13
743	Equilibrium, Kinetics, and Thermodynamics Studies on the Recovery of Rhenium(VII) and Molybdenum(VI) from Industrial Wastewater by Chemically Modified Waste Paper Gel. 2012 , 57, 290-297	17
742	Adsorption of glycinin and 毗onglycinin on silica and cellulose: surface interactions as a function of denaturation, pH, and electrolytes. 2012 , 13, 387-96	21

741	Removal of Methylene Blue from Aqueous Solutions by using Cold Plasma, Microwave Radiation and Formaldehyde Treated Acorn Shell. 2012 , 47, 1542-1551	28
740	Natural Adsorbents Derived from Tannin Extracts for Pharmaceutical Removal in Water. 2012 , 51, 50-57	21
739	Sb(III) and Sb(V) sorption onto Al-rich phases: hydrous Al oxide and the clay minerals kaolinite KGa-1b and oxidized and reduced nontronite NAu-1. 2012 , 46, 843-51	75
738	Sacrificial template-directed synthesis of mesoporous magnesium oxide architectures with superior performance for organic dye adsorption [corrected]. 2012 , 4, 5401-8	106
737	Activated carbon immobilized dithizone phase for selective adsorption and determination of gold(III). 2012 , 45, 128-135	39
736	Biotechnological Potential of Soil Isolate, Flavobacterium mizutaii for Removal of Azo Dyes: Kinetics, Isotherm, and Microscopic Study. 2012 , 47, 1913-1925	15
735	Coconut (Cocos nucifera) Shell Based Activated Carbon for the Removal of Malachite Green Dye from Aqueous Solutions. 2012 , 47, 903-912	69
734	Sequestration of Hazardous Dyes from Aqueous Solution Using Raw and Modified Agricultural Waste. 2021 , 2021, 1-21	O
733	Synthesis of carbon microspheres via hydrothermal carbonization of Sabal palms (Sabal palmetto) biomass for adsorption of methylene blue. 1	1
732	Perspective on the Relationship between the Acidity of Perovskite Oxides and Their Oxygen Surface Exchange Kinetics. 2022 , 34, 991-997	1
731	Investigation of biosorption process of barium radionuclides on pomegranate peel; isotherms, kinetics and mechanism. 2022 , 331, 807	O
730	Investigation of Adsorption Behaviors of Paraffin Waxes on Iron, Iron II Oxide, and Iron III Oxide Surfaces Using the Adsorption Locator Model.	
729	Effective mitigation of single-component and mixed textile dyes from aqueous media using recyclable graphene-based nanocomposite 2022 , 1	O
728	Characteristics and mechanisms for highly efficient adsorption of Pb(II) from aqueous solutions by engineered vinasse biochar with cold oxygen plasma process. 2022 , 171, 108766	1
727	Effective batch and column remediation of zinc(II) from synthetic and electroplating effluents using biochar from brown alga. 1	1
726	Synthesizing and characterization of Cu(II) polymer complex: application for removing heavy metals from aqueous solutions. 1	2
725	Evaluation of adsorption and kinetics of neem leaf powder (Azadirachta indica) as a bio-sorbent for desulfurization of dibenzothiophene (DBT) from synthetic diesel. 2022 , 26, 101433	3
724	Adsorption of toxic crystal violet dye from aqueous solution by using waste sugarcane leaf-based activated carbon: isotherm, kinetic and thermodynamic study. 1	1

723	Adsorptive behaviour of rutile phased titania nanoparticles supported on acid-modified kaolinite clay for the removal of selected heavy metal ions from mining wastewater. 2022 , 12, 1	1
722	Removal of the neutral dissolved organic matter from surface waters by activated carbon. 2022 , 15, 1	1
721	Effect of Aluminum Doping Ratios on the Properties of Aluminum-Doped Zinc Oxide Films Deposited by Mist Chemical Vapor Deposition Method Applying for Photocatalysis 2022 , 12,	O
720	Efficient Biosorption of Hexavalent Chromium from Water by Modified Arecanut Leaf Sheath.	
719	Graphene Oxide for Elimination of Dyes. 2022 , 1	
718	Dehydrate Sewage Sludge as an Efficient Adsorbent for Malachite Green Removal in Textile Wastewater: Experimental and Theoretical Studies. 2022 , 5, 359	1
717	Suppression of Dissolution Rate via Coordination Complex in Tungsten Chemical Mechanical Planarization. 2022 , 12, 1227	О
716	Remediation of Lead Ion Contaminated Stream Using Biosurfactant-Functionalized Mesoporous Activated Carbon. 1	2
715	Effective removal of metal ions and cationic dyes from aqueous solution using different hydrazine-dopamine modified sodium alginate 2021 , 195, 317-328	2
714	Kinetic, equilibrium, adsorption mechanisms of cationic and anionic dyes on N-doped porous carbons produced from zeolitic-imidazolate framework. 2022 , 1	1
713	An environmental green approach for the effective removal of malachite green from estuarine waters using Pistacia vera L. shell-based active carbon. 2022 , 8, 1	О
712	Laser induced fluorescence detection of R6G dye adsorbed on Fe3O4 nanomaterials. 1-10	
711	Functionalized mesoporous magnetic biochar for methylene blue removal: Performance assessment and mechanism exploration. 2022 , 121, 108795	1
710	Discovery of a New Solvent Co-Catalyzed Mechanism in Heterogeneous Catalysis: A First-Principles Study with Molecular Dynamics on Acetaldehyde Hydrogenation on Birnessite 2022 , 2, 328-334	1
709	Green synthesis of copper oxide nanoparticles CuO NPs from Eucalyptus Globoulus leaf extract: Adsorption and design of experiments. 2022 , 15, 103739	7
708	Facile Synthesis of Graphene Oxide/Titanate Nanotube Composites and Their Application for Cobalt(II) Removal. 2022 , 2022, 1-11	
707	Adsorption of 4,4'-diaminodiphenyl ether on molecularly imprinted polymer and its application in an interfacial potentiometry with double poles sensor. 2022 , 76, 1691	
706	Adsorption of CO2 Molecules in Silicalite: Structural Investigation and Isotherm Modeling Using In Situ High-Resolution Powder X-ray Diffraction. 2022 , 126, 2214-2225	1

705	Molecular-scale study of Cr(vi) adsorption onto lepidocrocite facets by EXAFS, in situ ATR-FTIR, theoretical frequency calculations and DFT+U techniques.	O
704	Fabrication of polyaniline-coated porous and fibrous nanocomposite with granular morphology using tea waste carbon for effective removal of rhodamine B dye from water samples. 1	3
703	As Uptake from Nanostructured Iron Oxides and Oxyhydroxides: The Complex Interplay between Sorbent Surface Chemistry and Arsenic Equilibria 2022 , 12,	1
702	Adsorption of cationic dyes onto chemically modified activated carbon: Kinetics and thermodynamic study. 2022 , 346, 118227	6
701	Valorization of Agricultural Wastes as Low-Cost Adsorbents Towards Efficient Removal of Aqueous Cr(VI). 2022 , 507-530	
700	Modified grafted nano cellulose based bio-sorbent for uranium (VI) adsorption with kinetics modeling and thermodynamics. 2022 , 39, 408-422	2
699	Design and Characterization of Aprotic N-Heterocyclic Anion Ionic Liquids for Carbon Capture. 2022 , 67, 375-384	2
698	Coordination and organometallic precursors of group 10 and 11: Focused electron beam induced deposition of metals and insight gained from chemical vapour deposition, atomic layer deposition, and fundamental surface and gas phase studies. 2022 , 213851	3
697	A tannin-polymer adsorbent created from the freezing-thawing method for removal of metal-complex acid black 172 and methylene blue from aqueous solutions. 2022 , 351, 118682	0
696	Largely enhanced adsorption performance and stability of MXene through in-situ depositing polypyrrole nanoparticles. 2022 , 287, 120596	5
695	Selective recovery of gold from e-waste with 3D hierarchical porous amidoximated fabrics and its application in the reduction of 4-nitrophenol. 2022 , 194, 110006	0
694	Intercalated double layer hydroxide with sodium lauryl sulfate for cationic dye adsorption from aqueous solution.	
693	Nonionic surfactant of coconut diethanolamide as a novel corrosion inhibitor for cold rolled steel in both HCl and H2SO4 solutions. 2022 , 131, 104171	3
692	Effect of Zn Nanoparticles Doping on Oxytetracycline Removal by Natural Aluminosilicate and Carbon Nanotubes. 2022 , 233,	1
691	Highly efficient Plutonium(IV) uptake from acidic feeds using four extraction chromatography resins containing diglycolamides and ionic liquid 2022 , 1665, 462816	
690	Preparation of carboxymethyl cellulose/graphene composite aerogel beads and their adsorption for methylene blue 2022 , 202, 632-632	3
689	Polyaniline I are earth metal chloride composites as an adsorbent cum electrode material for supercapacitor performance investigation. 2022 , 48, 103971	1
688	Direct capture of low concentration CO2 using tetraethylenepentamine-grafted polyacrylonitrile hollow fibers. 2022 , 287, 120562	O

687	Acetamido-functionalized hyper-crosslinked polymers for efficient removal of phenol in aqueous solution. 2022 , 287, 120566	1
686	A facile synthesis of 2D iron bridged trimesic acid based MOFs for superior nitrate and phosphate retention. 2022 , 10, 107233	1
685	One-step preparation of hydroxyapatite-loaded magnetic Polycaprolactone hollow microspheres for malachite green adsorption by Pickering emulsion template method. 2022 , 639, 128347	1
684	Mechanism enhanced active biochar support magnetic nano zero-valent iron for efficient removal of Cr(VI) from simulated polluted water. 2022 , 10, 107077	3
683	Experimental investigation of the adsorption process of the surfactant-nanoparticle combination onto the carbonate reservoir rock surface in the enhanced oil recovery (EOR) process. 2022 , 6, 100036	1
682	Thermodynamics of grain boundary adsorption in binary systems with limited solubility. 2022 , 96, 1094-1098	
681	Photoluminescence Study of Porous Silicon as Photosensitizer of Singlet Oxygen Generation. 2022 , 56, 1097	1
680	Effective removal of crystal violet from aqueous solution by graphene oxide incorporated hydrogel beads as a novel bio-adsorbent: kinetic, isotherm and thermodynamic studies. 1-14	1
679	Application of flow injection analysis-solid phase extraction based on ion-pair formation for selective preconcentration of trace amount of anti-HIV drug. 2022 , 107245	О
678	Glycine- and Alanine-Intercalated Layered Double Hydroxides as Highly Efficient Adsorbents for Phosphate with Kinetic Advantages 2022 , 12,	О
677	Adsorption of endocrine disruptive congo red onto biosynthesized silver nanoparticles loaded on Hildegardia barteri activated carbon. 2022 , 352, 118735	1
676	An effective pre-burning treatment boosting adsorption capacity of sorghum distillers' grain derived porous carbon. 2022 , 124, 108914	О
675	A Green Strategy for Nitrogen-Doped Polymer Nanodots with High Oxygen and Chloride Corrosion Resistance in Extremely Acidic Condition. 2022 , 437, 135242	О
674	Biochar-SO prepared from pea peels by dehydration with sulfuric acid improves the adsorption of Cr6+ from water. 1	2
673	Insights Into the Mn(VII) and Cr(VI) Adsorption Mechanisms on Purified Diatomite/MCM-41 Composite: Experimental Study and Statistical Physics Analysis 2021 , 9, 814431	О
672	The effect of chemical and thermal modifications on the biosorption of uranium in aqueous solutions using winery wastes. 2022 , 351, 118665	О
671	Selective isolation and sensitive detection of lysozyme using aptamer based magnetic adsorbent and a new quartz crystal microbalance system 2022 , 382, 132353	1
670	Investigation of adsorption behaviors of paraffin waxes on iron, iron oxide, and iron III oxide pipeline's internal surfaces using adsorption locator model. 2021 ,	

669	Nanotechnology Applications for Viscosity Reduction of Heavy and Extra-Heavy Oils: A Review. 2021 , 241-267	
668	Cadmium and lead adsorption and desorption by coffee waste-derived biochars. 81,	O
667	Fabrication of a Novel Polyurethane FoamAlginateZeolite Hydrogel and Subsequent Ksnd Bacteria Encapsulation: Evidence of Accelerated Biofilm Colonisation and Enhanced Nitrogen Removal Efficiency.	
666	Iron-Polyphenol Nanocluster Removes Fluoride and Methylene Blue Dye from Water and Promotes Plant Growth.	1
665	Hemp-Based Materials for Applications in Wastewater Treatment by Biosorption-Oriented Processes: A Review. 2022 , 239-295	1
664	Removal of Trihalomethane Found in City Water Using Activated Carbon from Palm Fronds.	
663	Highly Efficient Uptake of Eu(Iii) and Am(Iii) from Acidic Feeds Using Extraction Chromatography Resins Containing N,N,NINETetra Alkyl Diglycolamides with Varying Alkyl Chain Length in an Ionic Liquid.	
662	The Upper Cretaceous-Paleogene of Phosphate Clays of the Ouled Bou Sbaa Deposit: Mineralogy, Geochemistry, and Beneficiation (Meskala, Morocco). 2022 , 12, 156-178	O
661	Pfas as Emerging Pollutants in the Environment: A Challenge with Fau Type and Silver-Fau Exchanged Zeolites for Their Removal from Water.	
660	Synthesis and characterization of template-mediated mesoporous alumina nanostructures with efficient and fast adsorption of Congo red from aqueous solutions.	
659	Removal of pollutants from aqueous media using cow dung-based adsorbents. 2022 , 5, 100300	4
658	Engineering Polyhistidine Tags on Surface Proteins of : Impact of Localization on the Binding and Recovery of Divalent Metal Cations 2022 ,	О
657	Cellulose-based beads for the adsorptive removal of wastewater effluents: a review. 1	2
656	Carbon fibres as potential bone implants with controlled doxorubicin release 2022 , 12, 2607	
655	Sorption of Fluoride and Bacterial Disinfection Property of Biosynthesized Nanofibrous Cellulose Decorated Ag-MgO-Nanohydroxyapatite Composite for Household Water Treatment 2022 , 14,	
654	Fine-tuning the dye adsorption capacity of UiO-66 by a mixed-ligand approach 2022, 8, e08961	1
653	Phosphate Adsorption onto an Al-Ti Bimetal Oxide Composite in Neutral Aqueous Solution: Performance and Thermodynamics. 2022 , 12, 2309	1
652	Biochar for removal of dyes in contaminated water: an overview. 2022 , 4, 1	12

651	Evolution of pore characteristics and methane adsorption characteristics of Nanshan 1/3 coking coal under different stresses 2022 , 12, 3117	1
650	Comprehensive Study on Newly Developed Diffusion-Desorption Models Based on Knudsen and Langmuir Models in Tight Gas Reservoirs. 2022 ,	
649	Structural and morphological investigations of nanolayered double hydroxides as effective adsorbents of methyl orange. 2022 , 5, 155-165	
648	Reagent-Free Hydrogen Peroxide Sensing Using Carbon Nanotube Chemiresistors with Electropolymerized Crystal Violet. 2022 , 5, 3957-3966	
647	Description of the Interfacial Behavior of Benzonitrile at Icy Surfaces by Grand Canonical Monte Carlo Simulations 2022 ,	2
646	Multivariable optimization with desirability function for carbon porosity and methylene blue adsorption by watermelon rind activated carbon prepared by microwave assisted H3PO4. 1	4
645	Adsorptive removal of Congo red from aqueous phase using graphenelin oxide composite as a novel adsorbent. 1	1
644	Microwave-assisted preparation of carboxylic graphene oxide-chitosan composite for adsorption of uranium and heavy toxic metals in water samples. 1-19	0
643	Controllable synthesis of Co-Al layered double hydroxides with different anionic intercalation layers for the efficient removal of methyl orange 2022 , 1-45	
642	Development of the Sequential Binding Model and Application for Anticooperative Protein Adsorption onto Charged Dendrimers 2022 ,	O
641	Enhanced Adsorption of Methyl Orange by Mongolian Montmorillonite after Aluminum Pillaring. 2022 , 12, 3182	1
640	Single and binary adsorption of and ions in aqueous solutions and river water by butylamine functionalized vermiculite: 2022 , 1-60	
639	Valorisation of sugar cane bagasse using hydrothermal carbonisation in the preparation of magnetic carbon nanocomposite in a single-step synthesis applied to chromium adsorption.	0
638	Interference Analysis of Methane Co-Production from Two Coal Seams in Southern Qinshui Basin. 1	1
637	Biobased carbon for effective removal of rhodamine B and Cr(VI) from aqueous solution: kinetic, isotherm and thermodynamic study. 1	0
636	Updates and improvements to the satellite drag coefficient Response Surface Modeling toolkit. 2022 ,	0
635	Magnetic molecular imprinted polymers for in vitro controlled release and solid-phase extraction of dextromethorphan: synthesize, characterization, and application. 2022 , 31, 553	
634	Facile synthesis and characterization of folic acid-modified silica nanoparticles and its exploration for adsorptive removal of aluminum(III) from aqueous media. 1-13	

633	Novel Sulfur-Containing Porous Organic Polymer as a Nanotrap for Rapid Removal of Mercury(II) from Environmental Waters. 2022 , 61, 3694-3703	0
632	Rapid elimination of copper (II), nickel (II) and chromium (VI) ions from aqueous solutions by charcoal modified with phosphoric acid used as a green biosorbent.	0
631	EXTRACTION AND CHARACTERIZATION OF LIGNIN FROM MOROCCAN THUYA. ITS APPLICATION AS ADSORBENT OF METHYLENE BLUE FROM AQUEOUS SOLUTION. 2022 , 56, 69-81	O
630	Dried Brown Seaweed's Phytoremediation Potential for Methylene Blue Dye Removal from Aquatic Environments 2022 , 14,	10
629	Characterization of kinetic, thermodynamic, and binding properties of l-phenylalanine molecularly imprinted polymer. 1	
628	Ionic Liquids as Clay Swelling Inhibitors: Adsorption Study. 2022 , 36, 3596-3605	1
627	Removal of Pb2+ from synthetic aqueous solution using hydroxyapatite and hydroxyapatite@AD37 composite materials. 2022 , 1-16	
626	Removal of Organoselenium from Aqueous Solution by Nanoscale Zerovalent Iron Supported on Granular Activated Carbon. 2022 , 14, 987	О
625	Adsorption and removal studies of cadmium ion onto sulfonic/phosphonic acid functionalization resins.	0
624	Adsorption and interaction studies of methylene blue dye onto agar-carboxymethylcellulose-silver nanocomposite in aqueous media. 1	O
623	Separation of Lead and Copper Ions in Acidic Media Using an Ion-Exchange Resin with a Thiourea Functional Group 2022 , 7, 13042-13049	1
622	Mobility of organotin pesticides: azocyclotin and cyhexatin in clayey and sandy soils from the Northern Paran Btate Brazil. 2022 , 81, 1	
621	Highly efficient uptake of Europium (III) and Americium (III) from acidic feeds using extraction chromatography resins containing N,N,N',N'-tetra alkyl diglycolamides with varying alkyl chain length in an ionic liquid 2022 , 1669, 462928	1
620	Valorization of olive tree pruning waste for potential utilization in lithium recovery from aqueous solutions. 1	1
619	De novo discovery of peptide-based affinity ligands for the fab fragment of human immunoglobulin G 2022 , 1669, 462941	3
618	Production and characterization of cost-effective magnetic pine bark biochar and its application to remove tetracycline from water 2022 , 1	0
617	Ultrafast removal of Cr(VI) ions using polyamine modified carbon nanotubes. 2022, 133, 104265	1
616	Humic acid and nano-zeolite NaX as low cost and eco-friendly adsorbents for removal of Pb (II) and Cd (II) from water: characterization, kinetics, isotherms and thermodynamic studies. 1	1

615 Evaluation and analysis of methane adsorption capacity in deep-buried coal seams.

614	Efficient performance of copper oxide nanoparticles synthesized with pomegranate leaf extract for neutral red dye adsorption.	2
613	Effect of Artabotrys odoratissimus extract as an environmentally sustainable inhibitor for mild steel corrosion in 0.5 M H2SO4 media. 2022 , 99, 100445	2
612	Magnetically separable and recyclable lanthanum/iron co-modified attapulgite: A sustainable option to efficiently control phosphate loading. 2022 , 348, 131294	1
611	Preparation of a novel acrylic fiber-based hydrogel and its utilization for the removal of aqueous lead ion. 2022 , 18, 1450-1459	2
610	Selective and efficient separation of biomass hydrolysate levulinic acid and formic acid from aqueous solution. 2022 , 181, 266-277	Ο
609	DFT, MD simulations and experimental analysis of adsorptive complexation and isotope separation of gadolinium ion with macrocyclic crown ether embedded polymeric resin. 2022 , 289, 120709	0
608	Fabrication of hydroxyapatite embedded cerium-organic frameworks for fluoride capture from water. 2022 , 354, 118830	4
607	Separation of palladium and silver from E-waste leachate: effect of nitric acid concentration on adsorption to Thiol scavenger. 2022 , 10, 100280	2
606	Preparation and characterization of high performance hydrochar for efficient adsorption of drugs mixture. 2022 , 353, 118797	1
605	Sequestration of heavy metals from contaminated water using magnetic carbon nanocomposites. 2022 , 6, 100066	1
604	Adsorption and reusability performance of hierarchically porous silica (MMZ) for the removal of MB dye from water. 2022 , 139, 109380	1
603	Removal of As(III) and Cr(VI) from aqueous solutions by Bixa orellana leaf biosorbent and As(III) removal using bacterial isolates from heavy metal contaminated site. 2022 , 99, 100334	О
602	A high-performance microreactor integrated with chitosan/BiWO/CNT/TiO nanofibers for adsorptive/photocatalytic removal of cephalexin from aqueous solution 2022 , 208, 260-274	Ο
601	New insights into the selective adsorption mechanism of cationic and anionic dyes using MIL-101(Fe) metal-organic framework: Modeling and interpretation of physicochemical parameters 2022 , 247, 103977	1
600	A multi-scale quadruple-continuum model for production evaluation of shale gas reservoirs considering complex gas transfer mechanisms and geomechanics. 2022 , 213, 110419	2
599	High-efficiency capture and removal of phosphate from wastewater by 3D hierarchical functional biomass-derived carbon aerogel 2022 , 827, 154343	3
598	Evolvulus alsinoides plant mediated synthesis of Ag2O nanoparticles for the removal of Cr(VI) ions from aqueous solution: modeling of experimental data using artificial neural network. 2022 , 18, 100124	

597	African almond (Terminalia catappa L) leaves biochar prepared through pyrolysis using H3PO4 as chemical activator for sequestration of methylene blue dye. 2022 , 14, 100385	6
596	Efficient scavenging of aqueous Pb(II)/Cd(II) by sulfide-iron decorated biochar: Performance, mechanisms and reusability exploration. 2022 , 10, 107531	2
595	Cefixime wastewater management via bioengineered Hematite nanoparticles and the in-vitro synergetic potential multifunction activities of Cefixime@Hematite nanosystem. 2022 , 30, 101877	1
594	Interaction behavior of curcumin encapsulated onto functionalized SBA-15 as an efficient carrier and release in drug delivery. 2022 , 1260, 132879	4
593	Tuning the thiophilicity of Pr6O11 (PrO1.833) through Pb-substitution to append efficient adsorption characteristics. 2022 , 591, 153111	O
592	The synthesis of functionalized magnetic graphene oxide with 5-amino-1,10-phenanthroline and investigation of its dual application in C-N coupling reactions and adsorption of heavy metal ions. 2022 , 1261, 132832	1
591	The influence of nanotopography on cell behaviour through interactions with the extracellular matrix - A review 2022 , 15, 145-159	2
590	Binary adsorption of chromium and cadmium metal ions by hemp (Cannabis sativa) based adsorbents. 2022 , 18, 100683	1
589	Adsorption of methylene blue dye on nano graphene oxide-thermodynamics and kinetic studies. 2021 ,	2
588	Modified Rate Law for Bimolecular Reactions: Applicable to Surface as well as Non-surface Reactions. 2021 , 37, 1429-1433	
587	Effect of Concrete Composition on the Thermodynamic Binding of Dopamine: A DFT Study 2021,	O
586	Synthesis and characterization of the photoresponsive and thermoresponsive molecularly imprinted polymer with a novel functional monomer for controlled release of 4-Aminopyridine. 1-8	О
585	Green Hydrogel-Biochar Composite for Enhanced Adsorption of Uranium 2021 , 6, 34193-34205	2
584	Facile Fabrication of Zirconium Drganic Framework Embedded Chitosan Hybrid Spheres for Efficient Fluoride Adsorption. 2022 , 2, 52-62	1
583	The Role of Ligand Rebinding and Facilitated Dissociation on the Characterization of Dissociation Rates by Surface Plasmon Resonance (SPR) and Benchmarking Performance Metrics. 2022 , 2385, 237-253	0
582	Preparation of Natural Bio-Adsorbent from Green Tea Extract Powder and Its Application for Selective Removal of Cs(I) from Water. 2021 , 54, 638-647	
581	Molecularly Imprinted Polymers with Enhanced Selectivity Based on 4-(Aminomethyl)pyridine-Functionalized Poly(2-oxazoline)s for Detecting Hazardous Herbicide Contaminants. 2022 , 34, 84-96	1
580	Magnetic chitosan microspheres for the removal of methyl violet 2B from aqueous solutions. 1-13	

579	Thiol-Functionalization Carbonaceous Adsorbents for the Removal of Methyl-Mercury from Water in the ppb Levels. 2022 , 14, 49	1
578	Preparation, properties, and applications of modified polyurethane foam from persimmon tannin powder. 2022 , 139, 52012	O
577	Organic Bioelectronics for Systems 2021,	13
576	Facile sol-gel synthesis of calcium oxide nanoparticles for effective removal of Ni(II) from aqueous solution. 1-25	
575	Potential of valourized Moringa oleifera seed waste modified with activated carbon for toxic metals decontamination in conventional water treatment. 2021 , 16, 100881	1
574	Factors Affecting Efficiency of Biosorption of Fe (III) and Zn (II) by Ulva lactuca and Corallina officinalis and Their Activated Carbons. 2021 , 13, 3421	
573	Adsorption of UO2 2+ by AlBaNi-layered double hydroxide nano-particles: kinetic, isothermal, and thermodynamic studies. 2022 , 110, 173-183	0
572	A comprehensive review on the decontamination of lead(ii) from water and wastewater by low-cost biosorbents 2022 , 12, 11233-11254	O
571	Cost-Effective Adsorbents for Reduction of Conventional and Emerging Pollutants in Modified Natural Wastewater Treatment. 2022 ,	
570	Removal of aspirin from aqueous solution using phosphoric acid modified coffee waste adsorbent. 2022 ,	
569	Patent Blue V Dye Adsorption by Fresh and Calcined Zn/Al LDH: Effect of Process Parameters and Experimental Design Optimization. 2022 , 6, 115	O
568	Intercalation of metallluminum layered double hydroxides with anionic surfactants: Experimental and density functional theory studies. 2022 , 12, 045217	O
567	Modelling a multi-stage batch reactor for the immobilization of Fe(III) ions using humic acid and 2-mercaptobenzoxazole fabricated organo-clay. 2022 , 131619	O
566	Towards a better understanding of CeO2 manufactured nanoparticles adsorption onto sand grains used in drinking water treatment plants. 2022 , 129000	O
565	Equilibrium and kinetics of sorption and resorption of acid and basic dyes using the pulp of carob pods. 1-13	0
564	Synthesis of a poly(p-aminophenol)/starch/graphene oxide ternary nanocomposite for removal of methylene blue dye from aqueous solution. 2022 , 29, 1	2
563	Lead Removal from Aqueous Solution by Green Solid Film Based on Cellulosic Fiber Extracted from Banana Tree Doped in Polyacrylamide. 1	0
562	Improvement in adsorption of Hg2+ from aqueous media using sodium-type fine zeolite grains.	

561	Selective adsorption of iron(III) ions based on nickel(II) oxide-copper(II) oxide nanoparticles. 2022 , 18,	
560	Removal of Methylene Blue from Aqueous Solution Using Black Tea Wastes: Used as Efficient Adsorbent. 2022 , 2022, 1-9	4
559	Sequestration of crystal violet dye from wastewater using low-cost coconut husk as a potential adsorbent 2022 , 85, 2295-2317	1
558	Efficient biosorption of hexavalent chromium from water by modified arecanut leaf sheath 2022 , 8, e09283	3
557	LIBS and pXRF validation for the removal of Pb by bio-CaCO3 nanoparticles from contaminated water. 2022 , 4, 1	
556	Volatilisation of Trace Elements During Evaporation to Dryness of HF-Dissolved Silicates (BHVO-2, AGV-1, BIR-1, UB-N): Open Versus Closed System Conditions.	
555	Investigation of African mangosteen leaves extract as an environment-friendly inhibitor for low carbon steel in 0.5M H2SO4. 2022 , 109488	1
554	Iron-polyphenol nanomaterial removes fluoride and methylene blue dye from water and promotes plant growth. 2022 , 10, 107707	Ο
553	Efficient adsorption separation of succinic acid with a novel resin derived from styrene/methyl acrylate/vinyl acetate terpolymer. 2022 , 175, 105262	
552	Chapter 2. Protein Adsorption on Surfaces: Understanding the Complex Nature of a Common Phenomenon. 47-80	
551	Nitrate adsorption onto surface-modified red mud in batch and fixed-bed column systems: equilibrium, kinetic, and thermodynamic studies 2022 , 1	O
550	The confinement effect of layered double hydroxides on intercalated pyromellitic acidic anions and highly selective uranium extraction from simulated seawater 2022 ,	1
549	Solution NMR methods for structural and thermodynamic investigation of nanoparticle adsorption equilibria.	О
548	Adsorption behavior of reservoir fluids and CO2 in shale. 2022 , 57-150	
547	Enhanced descriptor identification and mechanism understanding for catalytic activity using a data-driven framework: revealing the importance of interactions between elementary steps.	
546	Biochar adsorption system designs. 2022 , 153-203	1
545	Polymeric Hydrogels for Dye Adsorption. 2022 , 125-174	
544	Source and Sink Characteristics of SVOCs. 2022 , 1-46	

543	CO2 Capture over MCM-41 and SBA-15 Mesoporous Silicas Impregnated with Chitosan.	1
542	Insights into the Role of Na on the Transformation of Gypsum into ⊞emihydrate Whiskers in Alcohol-Water Systems 2022 , 7, 15570-15579	O
541	Eco-friendly adsorption of dye pollutants by palygorskite in aqueous effluents: Experimental and computational studies.	
540	On the adsorption mechanism of copper ions on bentonite clay. 2022 , 71, 651-655	1
539	Removal of Iron, Manganese, Cadmium, and Nickel Ions Using Brewers pent Grain. 2022 , 3, 356-379	О
538	Sodium alginate-cl-poly (N,N-dimethyl acryl amide-co-2-acrylamino-2-methyl-1-propane sulphonic acid/titanium dioxide nanocomposite hydrogel: An efficient dye-removing agent.	1
537	Kinetic modeling and bioremediation study to remove Congo red (Direct Red 28) azo dye using Lactobacillus paracasei SRCM 208836. 1-10	
536	Kinetics and Equilibrium Studies of the Adsorption of Copper(II) Ions from Industrial Wastewater Using Activated Carbons Derived from Sugarcane Bagasse. 2022 , 2022, 1-24	1
535	Coalbed methane desorption characteristics controlled by coalification and its implication on gas co-production from multiple coal seams.	1
534	Removal of Oil from Contaminated Wastewater Using Thermo-Chemically Modified Lignocellulosic Biomass. 1059, 157-170	
533	A New Adsorption Equation for Nano-Porous Shale Rocks and Its Application in Pore Size Distribution Analysis. 2022 , 15, 3199	
532	A chemometric approach based on BoxBehnken and response surface methodology for design and optimization of ciprofloxacin adsorption from water.	o
531	Optimization of the Hydrothermal Activation Treatment with Sodium Hydroxide Solution for the Conversion of Coal Fly Ash to Zeolite and Its Adsorption Capability of Lead (II) Ions from the Liquid Phase 2022 , 70, 400-407	
530	Computational-Based Approaches for Predicting Biochemical Oxygen Demand (BOD) Removal in Adsorption Process. 2022 , 2022, 1-15	O
529	A comparative analysis of the adsorption kinetics of Cu2+ and Cd2+ by the microalgae Chlorella vulgaris and Scenedesmus obliquus. 2022 , 64, 102710	1
528	Phosphate Ihucleotide Ihucleic acid: adsorption onto nanocrystalline ceria surface. 2022 , 129214	1
527	Modification of Natural Zeolite Clinoptilolite and its Application in the Adsorption of Herbicides 2022 , 1-43	
526	Sensitive determination of uranium using tyclodextrin modified graphene oxide and X-ray fluorescence techniques: EDXRF and TXRF 2022 , 246, 123501	1

525	Development and characterization of hydroxyapatite layered lanthanum organic frameworks by template method for defluoridation of water 2022 , 622, 228-238	3
524	CaO-doped tetragonal ZrO2 nanoparticles as an effective adsorbent for the removal of organic dye waste. 2022 , 153651	O
523	Effective removal of 4-Aminophenol from aqueous environment by pea (Pisum sativum) shells activated with sulfuric acid: Characterization, isotherm, kinetics and thermodynamics. 2022 , 100528	1
522	Response surface methodology adhering central composite design for the optimization of Zn (II) adsorption using rice husk nanoadsorbent. 2022 , 139684	1
521	Characteristics of the Properties of Absodan Plus Sorbent and Its Ability to Remove Phosphates and Chromates from Aqueous Solutions. 2022 , 15, 3540	1
520	Synthesis of high quality boehmite and Elumina for phosphorus removal from water works sludge by extraction and hydrothermal treatment 2022 , 113448	О
519	Bioremediation of Textile Industrial Effluents Using Nutraceutical Industrial Spent: Laboratory-Scale Demonstration of Circular Economy. 2022 , 12, 1684	2
518	Evaluation of beet sugar processing carbonation sludge for the remediation of synthetic dyes from aqueous media. 1	
517	Adsorption Equilibria of an Insecticide Diazinon onto Natural Clay. 2013, 28, 1-15	
516	Adsorption: A Cost-Effective Wastewater Treatment Technology for Removal of Conventional and Emerging Organic Contaminants. 2022 ,	
515	Resorcinol Derivative as an Environmentally Friendly Low Carbon Steel Inhibitor in HCl Medium.	O
514	Review on some metal oxide nanoparticles as effective adsorbent in wastewater treatment.	2
513	Synthesis and Characterization of Various MOFs and MOFs-Zeolite Composites: Water Adsorption and Rapid Cooling Production. 2022 , 29-85	
512	Facile preparation of amine -functionalized corn husk derived activated carbon for effective removal of selected heavy metals from battery recycling wastewater. 2022 , 8, e09516	1
511	Do Red Seaweed Nanoparticles Enhance Bioremediation Capacity of Toxic Dyes from Aqueous Solution?. 2022 , 8, 310	2
510	Modeling analysis of coalbed methane co-production interference: A case study in Eastern Yunnan Basin, China. 2022 , 103, 104631	1
509	Uranium and Thorium water decontamination via novel coated Cu-based nanoparticles; the role of chemistry and environmental implications. 2022 , 838, 156050	O
508	Rapid Removal of Organic Micropollutants Under Aqueous Solutions Using Mesoporous Exfoliated Graphite.	

507 Pollutants Sorbed Onto Microplastics. **2022**, 269-299

506	The impact of microwave-assisted sintering on fabrication of cobalt ferrite nanostructure foams for gas-sensing. 2022 ,	1
505	Using ZrO2 coated sludge from drinking water treatment plant as a novel adsorbent for nitrate removal from contaminated water. 2022 , 113410	О
504	Highly Efficient Adsorption of Heavy Metals and Cationic Dyes by Smart Functionalized Sodium Alginate Hydrogels. 2022 , 8, 343	1
503	Nanostructured Materials for Water Purification: Adsorption of Heavy Metal Ions and Organic Dyes. 2022 , 14, 2183	3
502	Characteristics of Volcanic Tuff from Macicasu (Romania) and Its Capacity to Remove Ammonia from Contaminated Air. 2022 , 27, 3503	2
501	Optimized removal of hexavalent chromium from water using spent tea leaves treated with ascorbic acid. 2022 , 12,	0
500	The Using of Nanoparticles of Microalgae in Remediation of Toxic Dye from Industrial Wastewater: Kinetic and Isotherm Studies. 2022 , 15, 3922	3
499	Biosorption as a Perfect Technique for Purification of Wastewater Contaminated with Ammonia.	1
498	Agricultural Pea Waste as a Low-Cost Pollutant Biosorbent for Methylene Blue Removal: Adsorption Kinetics, Isotherm And Thermodynamic Studies.	1
497	Removal of Methylene Blue from Waste Water Using Activated Carbon Prepared by Impregnating it with KOH and Cacl2. 634-640	
496	Adsorption Mechanisms of a Novel Cationic Gemini Surfactant onto Different Rocks. 2022 , 36, 5737-5748	3
495	Effect of sediment burial depth on the control of sedimentary phosphorus release by iron/aluminum co-modified calcite and strategy for overcoming the negative effect of sediment burial. 2022 , 156467	О
494	Shale Pore Structure and Sorption-Diffusion Characteristics: Effect of Analyzing Methods and Particle Size.	1
493	Experimental and Modeling Studies of Sr2+ and Cs+ Sorption on Cryogels and Comparison to Commercial Adsorbents.	О
492	Recent advances to accelerate purification process development: a review with a focus on vaccines. 2022 , 463195	1
491	Imidazole-modified polymers and their adsorption of salicylic acid from aqueous solution. 2022 , 29,	1
490	Improvement of properties and catalytic activity of TiO2 for the adsorption and solar photodecomposition of ibuprofen: effect of Er3+ and Pr3+ doping.	O

489	A novel thiourea derivative for preconcentration of copper(II), nickel(II), cadmium(II), lead(II) and iron(II) from seawater samples for Flame Atomic Absorption Spectrophotometry. 2022 , 180, 113787	1
488	Role of Metal©rganic Frameworks for Removal of Toxic Ions. 53-76	1
487	Source/Sink Characteristics of VVOCs and VOCs. 2022 , 1-48	
486	Mg-Al Layered Double Hydroxide Doped Activated Carbon Composites for Phosphate Removal from Synthetic Water: Adsorption and Thermodynamics Studies. 2022 , 14, 6991	1
485	Investigation of Hydroxyapatite-Entrenched Cerium Organic Frameworks Incorporating Biopolymeric Beads for Efficient Fluoride Removal. 2022 , 61, 7911-7925	1
484	Sorption of BB41 Dye Molecules Using Chitosan Based Particles From Aqueous Solutions: A Kinetic and Thermodynamic Evaluation. 2022 , 108062	O
483	Alternative activated/KOH adsorbent for phenol adsorption: experimental, industrial case study and mass transfer interpretation.	0
482	Upgrading low rank coal into mesoporous activated carbon via microwave process for methylene blue dye adsorption: Box Behnken Design and mechanism study. 2022 , 109199	3
481	Adsorption characteristics of methyl red dye by Na2CO3-treated jute fibre using multi-criteria decision making approach. 2022 , 12,	1
480	Lead ferrite-activated carbon magnetic composite for efficient removal of phenol from aqueous solutions: synthesis, characterization, and adsorption studies. 2022 , 12,	2
479	Lead removal at trace concentrations from water by inactive yeast cells. 2022, 3,	0
478	PREPARATION AND CHARACTERIZATION OF MESOPOROUS CERIUM OXIDE FOR TOXIC AS(V) REMOVAL: PERFORMANCE AND MECHANISTIC STUDIE. 2022 , 30, 321-330	1
477	Multicomponent Gas Adsorption Behavior of Kerogen: A Molecular Investigation.	1
476	Biosorption of crystal violet by nutraceutical industrial fennel seed spent equilibrium, kinetics, and thermodynamic studies. 2022 , 102402	O
475	Enhanced adsorptive removal of ammonium on the Na+/Al3+ enriched natural zeolite. 2022 , 121507	
474	Simple Model and Spectral Analysis for a Fluxional Catalyst: Intermediate Abundances, Pathway Fluxes, Rates, and Transients. 8038-8047	Ο
473	Characterization of Cu(II) and Zn(II) Sorption onto Zeolite. 2022 , 12, 908	0
472	Removal of acid yellow 17 dye from aqueous solutions using activated water hyacinth (Eichhornia crassipes).	Ο

471	Adsorptive removal of cationic and anionic dyes on a novel mesoporous adsorbent prepared from diatomite and anionic cellulose nanofibrils: experimental and theoretical investigations. 2022 , 119670	3
470	Removal of 142Pr from nuclear purity water using hydroxyapatite. 1-8	O
469	Mikania micrantha extract as a novel inhibitor for the corrosion of cold rolled steel in Cl2HCCOOH solution. 2022 , 19, 2526-2545	O
468	The use of microwave irradiation for preparation and fast-acting regeneration of magnetic biochars. 2022 , 178, 109016	O
467	Efficiency of volcanic ash-based porous geopolymers for the removal of Pb2+, Cd2+ and Hg2+ from aqueous solution. 2022 , 5, 100106	O
466	Synthesis of mesoporous akaganeite functionalized maize cob biochar for adsorptive abatement of carbamazepine: Kinetics, isotherms, and thermodynamics. 2022 , 5, 100104	1
465	Removal of neonicotinoid pesticides by adsorption on modified Tenebrio molitor frass biochar: Kinetics and mechanism. 2022 , 297, 121506	O
464	Fabrication of HKUST-1/ZnO/SA nanocomposite for Doxycycline and Naproxen adsorption from contaminated water. 2022 , 29, 100757	O
463	Mechanism adsorption analysis during the removal of Cd2+ and Cu2+ onto cedar sawdust via experiment coupled with theoretical calculation: Mono- and multicomponent systems. 2022 , 18, 100715	O
462	Defluoridation using hydroxyapatite implanted lanthanum organic frameworks based bio-hybrid beads.	O
461	Can Aged Microplastics Be Transport Vectors for Organic Micropollutants? (Borption and Phytotoxicity Tests.)	
460	Greener Design of Corncob cellulose/Reduced Graphene Oxide-derivant Hierarchical Porous Aerogels for Efficient Dyes Adsorption.	1
459	Integration of nondestructive processes: adsorption/uptake/absorption. 2022, 345-356	
458	Facile and Cost-Effective Fabrication of Activated Charcoal-Carboxymethyl Cellulose Composite Fiber for High-Rate Water-Softening Applications.	
457	Evaluation of Pistachio Shells as Solid Wastes to Produce Activated Carbon for Co2 Capture: Isotherm, Response Surface Methodology (Rsm) and Artificial Neural Network (Ann) Modeling.	
456	Modeling of Adsorptive Properties and Regeneration of Ihiala Clay on Removal of Congo Red (CR) Dyes Using ANN, ANFIS, and RSM Cum Kinetics Investigation.	
455	Facile Sonochemical Synthesis of Flexible Fe-Based Metal (Drganic Frameworks and Their Efficient Removal of Organic Contaminants from Aqueous Solutions. 2022 , 7, 23213-23222	0
454	Environmentally azithromycin pharmaceutical wastewater management and synergetic biocompatible approaches of loaded azithromycin@hematite nanoparticles. 2022 , 12,	O

453	Experimental and modeling analyses of COD removal from industrial wastewater using the TiO2Ehitosan nanocomposites. 2022 , 12,	1
452	Removal of Divalent Nickel from Aqueous Solution Using Blue Green Marine Algae: Adsorption Modelling and Applicability of Various Isotherm Models.	
451	Effective sequestration of tetracycline and ciprofloxacin from aqueous solutions by Al-based metal organic framework and reduced graphene oxide immobilized alginate biosorbents. 2022 , 138068	1
450	Theorithecal and experimental study on the thermodynamic parameters and adsorption of methylene blue on Argania shells in industrial waters. 2022 , 41, 211-222	
449	Study on the formation mechanism of hydrothermal prefabricated activated carbon and its adsorption capacity for malachite green.	O
448	Co-precipitation synthesis of non-cytotoxic and magnetic cobalt ferrite nanoparticles for purging heavy metal from the aqueous medium: Pb(II) adsorption isotherms and kinetics study. 2022 , 38, 544-563	O
447	Adsorption of dye using natural clay from water. 1-9	0
446	Pyrolysis of rubber seed pericarp biomass treated with sulfuric acid for the adsorption of crystal violet and methylene green dyes: an optimized process. 1-10	3
445	Modification of Natural Peat for Removal of Copper Ions from Aqueous Solutions. 2022, 14, 2114	О
444	Conversion of Organic Waste to Novel Adsorbent for Fluoride Removal: Efficacy and Mechanism of Fluoride Adsorption by Calcined Venerupis philippinarum Shells. 2022 , 233,	Ο
443	Efficient removal of Cr(VI) from aqueous solution using activated carbon synthesized from silver berry seeds: modeling and optimization using central composite design.	1
442	Direct Simulation Monte Carlo of the gas-adsorption of particles in gas-particle flows.	1
441	Behavior of the adsorption of Allura Red dye by chitosan beads and nanoparticles.	
440	Textile Dye Removal by Acacia dealbata Link. Pollen Adsorption Combined with UV-A/NTA/Fenton Process.	1
439	Ammonium Reactive Migration Process and Functional Bacteria Response along Lateral Runoff Path under Groundwater Exploitation. 2022 , 14, 8609	
438	Effect of ternary polymer composites of macroporous adsorbents on adsorption properties for heavy metal removal from aqueous solution.	O
437	Comparative adsorptive behaviour of cow dung ash and starch as potential eco-friendly matrices for controlled organophosphorus pesticides delivery. 2022 , 12,	
436	New nanoporous TiO2 with controlled porosities emanated from two concurrent correlative templates as potent adsorbents. 2022 , 31, 100881	О

435 Nickel adsorption from waters onto Fe3O4/sugar beet pulp nanocomposite. 1-14

434	PFAS as emerging pollutants in the environment: A challenge with FAU type and silver-FAU exchanged zeolites for their removal from water. 2022 , 10, 108026	O
433	Chromium adsorption from petroleum refinery wastewater using biocomposites. 2022 , 8, 100064	0
432	Experimental and DFT theoretical study for understanding the adsorption mechanism of toxic dye onto innovative material Fb-HAp based on fishbone powder. 2022 , 362, 119739	O
431	Synthesis of pozzolan and sugarcane bagasse derived geopolymer-biochar composites for methylene blue sequestration from aqueous medium. 2022 , 318, 115533	0
430	Green synthesis of magnetite nanoparticles using peel extract of jengkol (Archidendron pauciflorum) for methylene blue adsorption from aqueous media. 2022 , 803, 139834	1
429	Adsorption mechanism of yttrium ions onto ion-adsorption type rare earths ore. 2022 , 299, 121641	
428	Effect of kerogen maturity on the adsorption capacity of CO2 and CH4: A molecular investigation. 2022 , 327, 125188	2
427	Determination and speciation of trace inorganic arsenic species in water samples by using metal organic framework mixed-matrix membrane and EDXRF spectrometry. 2022 , 307, 135661	0
426	Introducing the new model of chemical adsorption for heavy metals by Jacobi activated carbon adsorbents, Iranian activated carbon and blowy sand. 2022 , 6, 100220	O
425	Revisit the adsorption of aromatic compounds on graphene oxide: Roles of oxidized debris. 2022 , 450, 137996	0
424	Effective adsorption of methylene blue from aqueous solution by coal gangue-based zeolite granules in a fluidized bed: Fluidization characteristics and continuous adsorption. 2022 , 117764	O
423	Effective removal of methylene blue dye by a novel 4-vinylpyridine-co-methacrylic acid cryogel: kinetic, isotherm and breakthrough studies.	0
422	Cationic Dye Removal (Methylene Blue) from Aqueous Solution Using the Ecologically Friendly Alginate/Hydroxyapatite/Graphene Oxide Nanocomposite Hydrogel Beads. 2022 , 233,	
421	Synthesize, characterization and application of a novel three-dimensional magnetic graphene oxide decorated with polyester dendrimers for detection of donepezil hydrochloride in pharmaceutical formulation and biological fluid. 2022 , 290, 117141	1
420	Enhanced arsenic removal by reusable hexagonal CeO2/Fe2O3 nanosheets with exposed (0001) facet. 2022 , 847, 157490	
419	Layered double hydroxide intercalated with dimethylglyoxime for highly selective and ultrafast uptake of uranium from seawater.	
418	Cooperative Oxygen Binding with Hemoglobin as a General Model in Molecular Biophysics. 2022 , 67, 327-337	1

417	Thiabendazole Fungicide Adsorption Onto Four Agricultural Soils Collected from the Loukkos Area of Northwestern Morocco. 2022 , 29, 217-226	
416	Removal of an Azo Dye from Wastewater through the Use of Two Technologies: Magnetic Cyclodextrin Polymers and Pulsed Light. 2022 , 23, 8406	1
415	Microporous Activated Carbon from Pisum sativum Pods Using Various Activation Methods and Tested for Adsorption of Acid Orange 7 Dye from Water. 2022 , 27, 4840	1
414	Removal of Chromium (VI) and Lead (II) from Aqueous Solution Using Domestic Rice Husk Ash-(RHA-) Based Zeolite Faujasite. 2022 , 2022, 1-9	1
413	A Study on Dye Inclusion Complex, Adsorption, and Kinetic of Silk Floss Sheet Modified with Ecyclodextrin as a Biodegradable Adsorbent. 2200059	
412	Alkalization of Kraft Pulps from Pine and Eucalyptus and Its Effect on Enzymatic Saccharification and Viscosity Control of Cellulose. 2022 , 14, 3127	1
411	Biosorption of cadmium ions from aqueous solution onto alkaline-treated coconut shell powder: kinetics, isotherm, and thermodynamics studies.	1
410	Zinc Oxide Nanoparticles and Their Application in Adsorption of Toxic Dye from Aqueous Solution. 2022 , 14, 3086	Ο
409	Regeneration of As(V) loaded granular activated carbon through desorption in FeCl3, CaCl2 and MgCl2 aqueous solutions.	
408	Construction of Perylene-based Amphiphilic Micelle and Its Efficient Adsorption and In-situ Photodegradation of Bisphenol A in Aqueous Solution.	
407	Synthesis and application of zirconium phosphate mesoporous coordination polymer for effective removal of Co(II) from aqueous solutions. 2022 ,	
406	Adsorption of Cd (II) Using Chemically Modified Rice Husk: Characterization, Equilibrium, and Kinetic Studies. 2022 , 2022, 1-17	2
405	Immobilization of Ascorbic Acid on Ni-Zn Layered Hydroxide Salts and its Application as [AuCl ₄] ⁻ Adsorbent. 1067, 139-146	
404	Evaluation of Zn Adenine-Based Bio-MOF for Efficient Remediation of Different Types of Dyes. 2022 , 2022, 1-16	1
403	Adsorption desulfurization of dibenzothiophene in a model and diesel fuel by hybrid activated charcoal/mixed metal oxide. 1-20	
402	Removal of Chromium (VI) from the Steel Mill Effluents Using the Chemically Modified Leaves of Pteris vittata as Adsorbent. 2022 , 14, 2599	Ο
401	Promising applications of seedcake of Jatropha curcas plants: bioethanol production and bio-sorbent material for dye and heavy metal removal.	0
400	Equilibrium, Kinetic, and Thermodynamic Studies on Adsorption of Rhodamine B from Aqueous Solutions Using Oxidized Mesoporous Carbons. 2022 , 15, 5573	O

399	Plant-mediated synthesis of iron oxide nanoparticles/ polyvinyl alcohol nanocomposite and exploring their potential adsorption properties against selected heavy metals.	
398	Effect of Biochar Modification by Vitamin C, Hydrogen Peroxide or Silver Nanoparticles on Its Physicochemistry and Tetracycline Removal. 2022 , 15, 5379	О
397	Arabica-coffee and teobroma-cocoa agro-industrial waste biosorbents, for Pb(II) removal in aqueous solutions.	О
396	Study the adsorption performance of methylene blue by modified UV-curable hydrogel/chitosan nanocomposite: isotherm and kinetics approach.	
395	Construction of Perylene-based Amphiphilic Micelle´and Its Efficient Adsorption and In-situ Photodegradation of Bisphenol A in Aqueous Solution.	0
394	Assessment of the Ability of Processed Squeezed Nigella sativa Seeds to Effectively Remove Cadmium and Nickel Ions Form the Aqueous Solutions. 2022 , 44, 280-287	
393	Application of Orange Peel Waste as Adsorbent for Methylene Blue and Cd2+ Simultaneous Remediation. 2022 , 27, 5105	0
392	Application of alkalis, polyelectrolytes, and nanoparticles for reducing adsorption loss of novel anionic surfactant in carbonate rocks at high salinity and temperature conditions. 2022 , 129996	2
391	Congo red removal by lanthanum-doped bismuth ferrite nanostructures. 2022, 110964	О
390	Adsorption of methyl violet dye onto a prepared bio-adsorbent from date seeds: isotherm, kinetics, and thermodynamic studies. 2022 , 8, e10276	3
389	Usability of Brachiaria mutica (para grass) and Cyperus rotundus (nut grass) as bioadsorbents for the removal of methylene blue from aqueous solution: isotherms, kinetics, and thermodynamics studies. 2022 , 8,	
388	Optimization of tetracycline removal from water by iron-coated pine-bark biochar.	
387	Ecofriendly Removal of Aluminum and Cadmium Sulfate Pollution by Adsorption on Hexanoyl-Modified Chitosan. 2022 , 3, 589-608	
386	Alginate-reinforced poly(3-hydroxybutyrate)/ poly(hydroxybutyrate-co-hydroxyvalerate) aerogel monoliths fabricated by phase separation as environmental floating adsorbents. 2022 , 217, 956-968	О
385	Preparation of magnetic porous biochar through hydrothermal pretreatment combined with K2FeO4 activation to improve tetracycline removal. 2022 , 343, 112188	1
384	Mesoporous high-surface-area activated carbon from biomass waste via microwave-assisted-H3PO4 activation for methylene blue dye adsorption: An optimized process. 2022 , 128, 109288	O
383	Recent advances in starch-based magnetic adsorbents for the removal of contaminants from wastewater: A review. 2022 , 218, 909-929	О
382	Synergistic effect of low saline ion tuned Sea Water with ionic liquids for enhanced oil recovery from carbonate reservoirs. 2022 , 364, 120011	1

381	Oxidative adsorption of arsenic from water environment by activated carbon modified with cerium oxide/hydroxide. 2022 , 186, 161-173	О
380	Study of adsorption mechanism of Malachite Green (MG) and Basic Yellow 28 (BY28) onto smectite rich natural clays (Ghassoul) using DFT/B3LYP and DOE/FFD. 2022 , 33, 102227	1
379	Experimental, DFT and MD simulation studies of Mordant Black 11 dye adsorption onto polyaniline in aqueous solution. 2022 , 364, 120045	1
378	Nanoceria-loaded tea waste as bio-sorbent for Cr(VI) removal. 2022 , 290, 126563	
377	Ti/Si ratio as a tool to tailor the microstructure of titanate-based crystalline phases able to selectively trap strontium over calcium. 2022 , 440, 129755	
376	Separation and preconcentration of cerium (III) and Iron (III) on magnetic nanocomposite hydrogel. 2022 , 652, 129779	1
375	Adsorption of malachite green and methyl violet 2B by halloysite nanotube: Batch adsorption experiments and Box-Behnken experimental design. 2022 , 291, 126612	O
374	Shaping polyelectrolyte composites for heavy metals adsorption from wastewater: Experimental assessment and equilibrium studies. 2022 , 321, 115999	2
373	Influence of calcination atmosphere on Fe doped activated carbon for the application of lead removal from water. 2022 , 652, 129928	2
372	Can aged microplastics be transport vectors for organic micropollutants? Sorption and phytotoxicity tests. 2022 , 850, 158073	2
371	Removal of car battery heavy metals from wastewater by activated carbons: a brief review.	O
370	Recent advances on the treatment of oil fields produced water by adsorption and advanced oxidation processes. 2022 , 49, 103034	O
369	Synthesis and application of cellulose acetate-acrylic acid-acrylamide composite for removal of toxic methylene blue dye from aqueous solution. 2022 , 49, 103102	О
368	Removal of Pb (II) from aqueous solutions by new layered double hydroxides adsorbent MgCuCaAl-LDH: Free Gibbs energy, entropy and internal energy studies. 2022 , 144, 109910	1
367	Effect of lanthanum modified bentonite capping on control of sediment phosphorus and tungsten release. 2022 , 185, 106788	O
366	Kinetic and thermodynamic investigation on adsorption of lead onto apatite extracted from mixed fish bone. 2022 , 18, 100738	O
365	Adsorption of the dye Acid Blue 158 premetalized with chromium on chitin/chitosan. 2022 , 298, 120122	O
364	Batch adsorption of herbicides from aqueous solution onto diverse reusable materials and granulated activated carbon. 2022 , 323, 116102	O

363	Ibuprofen@silver loaded on poly(vinyl alcohol)/chitosan co-polymer scaffold as a novel drug delivery system. 2022 , 33, 104311	Ο
362	Tuning the pore structure of templated mesoporous poly(melamine-co-formaldehyde) particles toward diclofenac removal. 2022 , 324, 116221	1
361	Effect of aged nanoscale zero-valent iron amendment and capping on phosphorus mobilization in sediment. 2023 , 451, 139072	0
360	Coal Fly/Bottom Ash, Hydroxylapatite, and Hydrotalcite. 2022 ,	Ο
359	Thermodynamic Interpretation of Electron Density and Temperature Description in the Solar Corona. 2022 , 07, 146-174	0
358	Isotherm models of adsorption processes on adsorbents and nanoadsorbents. 2022 , 99-126	Ο
357	Source/Sink Characteristics of SVOCs. 2022 , 1-46	0
356	Adsorption technology and surface science. 2022 , 39-64	О
355	Experimental Study of Defoamer Effect on Methane Desorption on Longmaxi Shale, China. 2022 , 1573-1588	O
354	Aqueous ibuprofen sorption by using activated walnut shell biochar: process optimization and cost estimation. 2022 , 1, 530-545	1
353	Desorption isotherms and isosteric heat of protein hydrolysate from tilapia slaughtering by-product. 25,	0
352	A comparative study of the anticorrosive response of Tinospora cordifolia stem extract for Al and Cu in biodiesel-based fuels. 2022 , 355, 01005	O
351	A critical review on pineapple (Ananas comosus) wastes for water treatment, challenges and future prospects towards circular economy. 2023 , 856, 158817	2
350	Fabrication of Polyaniline@胜yclodextrin Nanocomposite for Adsorption of Carcinogenic Phenol from Wastewater.	1
349	Adsorptive Removal of Lead and Chromate Ions from Water by Using Iron-Doped Granular Activated Carbon Obtained from Coconut Shells. 2022 , 14, 10877	2
348	Aloe Vera Functionalized Magnetic Nanoparticles Entrapped Ca Alginate Beads as Novel Adsorbents for Cu(II) Removal from Aqueous Solutions. 2022 , 12, 2947	1
347	Thermochemical study of Cr(VI) sequestration onto chemically modified Areca catechu and its recovery by desorptive precipitation method. 2022 , 8, e10305	2
346	Adsorption of Indigo Carmine onto Chemically Activated Carbons Derived from the Cameroonian Agricultural Waste Garcinia cola Nut Shells and Desorption Studies. 2022 , 2022, 1-19	Ο

345	Emulsion Stabilization with Lignosulfonates.	O
344	Adsorption of Cu (II) ions from aqueous solutions using ion exchange resins with different functional groups.	O
343	Experimental and Theoretical Assessments on Anticorrosion Performance of 2-(1H-benzimidazol-2-yl)-3-(4-hydroxyphenyl) Acrylonitrile for Copper in 1M HNO3. 17-45	О
342	A Novel C@Fe@Cu Nanocomposite Loaded with Doxorubicin Tailored for the Treatment of Hepatocellular Carcinoma. 2022 , 14, 1845	1
341	Implementation of Magnetic Nanostructured Adsorbents for Heavy Metals Separation from Textile Wastewater. 2022 , 14, 11785	О
340	Adsorption of Crystal Violet Dye from Aqueous Solution using Industrial Pepper Seed Spent: Equilibrium, Thermodynamic, and Kinetic Studies. 2022 , 2022, 1-20	0
339	A manganese oxide/MOF nano-composite for the adsorption of methylene blue from an aqueous solution.	0
338	Bifurcaria bifurcata activated carbon for the adsorption enhancement of Acid Orange 7 and Basic Red 5 dyes: Kinetics, equilibrium and thermodynamics investigations. 2022 , 7, 100138	O
337	Mechanistic and recent updates in nano-bioremediation for developing green technology to alleviate agricultural contaminants.	1
336	Real heavy crude oil desulfurization onto nanoporous activated carbon implementing batch adsorption process: equilibrium, kinetics, and thermodynamic studies.	1
335	Investigation of the Kinetics of Hysteresis Effects in Silica Gel. 2022 , 15, 6031	0
334	Zinc Ions adsorption from aqueous solution using raw and acid-modified orange peels: Kinetics, Isotherm, Thermodynamics, and Adsorption mechanism. 2022 , 233,	O
333	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	0
332	Trizma as an eco-friendly efficient inhibitor for the acidic corrosion of steel: experimental and computational studies. 2022 , 12,	O
331	Preparation and Phosphorus Removal Performance of Zr[laf]e Ternary Composite Adsorbent Embedded with Sodium Alginate. 2022 , 10, 1761	0
330	Synthesis and characterizations of $Zr(IV)$ -loaded orange waste for effective sequestration of $Mo(VI)$ and $W(VI)$ from water.	O
329	Adsorption of Magenta Dye on PbO Doped MgZnO: Interpretation of Statistical Physics Parameters Using Double-Layer Models. 2022 , 19, 12199	0
328	Investigation of adsorption properties of modified DD kaolins to microporous material type 13X zeolite in treatment of textile industry effluent: experiments and theoretical approach.	1

327	Sorption Properties of Graphene Aerogel with Respect to Methane. 2022 , 13, 1333-1339	0
326	Research on the removal of heavy metal ions in water by magnetically modified zeolite.	Ο
325	Sorption of 90Sr by a T-3K carbonate-containing zirconium dioxide. 2022 , 331, 4021-4030	0
324	Removal of glyphosate from aqueous solution by CuO coated MIL-101(Fe).	O
323	Methyl orange adsorption studies on glutaraldehyde cross-linking chitosan/fluorapatite-based natural phosphate composite. 1-17	1
322	Use of banana peel for the removal of boron from aqueous solutions in the batch adsorption system.	O
321	Wheat brans as waste biomass based on a potential bio\delta\sorbent for removing platinum(IV) ions from aqueous phase. 2022, 101238	0
320	Oxygen transfer efficiency in an aerobic granular sludge reactor: dynamics and influencing factors of alpha. 2022 , 139548	O
319	Rapid removal of anionic organic dye from contaminated water using poly(3-aminobenz acid/graphene oxide/cobalt ferrite) nanocomposite adsorbent via adsorption techniques. 2022 , 104318	1
318	Paracetamol and Ibuprofen Removal from Aqueous Phase Using a Ceramic-Derived Activated Carbon.	1
317	Magnetite-doped electrospun fibers for DNA adsorption.	0
316	Enhanced biosorption of europium and cesium ions from aqueous solution onto phalaris seed peel as environmental friendly biosorbent: Equilibrium and kinetic studies. 2022 , 110498	O
315	Thermal activation of kaolinite titanium hydroxide composite for uranium adsorption from aqueous solutions.	O
314	Insight into the adsorption of dyes onto chitin in aqueous solution: An experimental and computational study. 2022 , 15, 104293	O
313	Synthesis of metal-based functional nanocomposite material and its application for the elimination of paracetamol from synthetic wastewater. 2022 , 308, 136530	O
312	Acylamino-functionalized hyper-cross-linked polymers for efficient adsorption removal of phenol in aqueous solution. 2022 , 303, 122229	O
311	Evaluation of pistachio shells as solid wastes to produce activated carbon for CO2 capture: Isotherm, response surface methodology (RSM) and artificial neural network (ANN) modeling. 2022 , 5, 100342	О
310	Synthesis, characterization and cation exchange performance of chemically modified pineapple waste biomass for the removal of Fe(II) from water. 2022 , 4, 100608	O

309	Unexpected behavior during methylene blue adsorption over H-titanate nanotubes and nanosheets.	0
308	Hydrogenated ceria nanoparticles for high-efficiency silicate adsorption.	O
307	Brute force determination of the optimum pore sizes for CO2 uptake in turbostratic carbons.	1
306	Thermally-treated MgO/nanocrystalline cellulose immobilized onto a Santa Barbara-16 mesoporous SiO2 template for the sequestration of antibiotics from polluted water.	O
305	Efficient decolorization of cationic dye (malachite green) by natural-based biosorbent (nano-magnetic Sophora Japonica fruit seed biochar). 1-12	1
304	Rapid removal of organic dyes from aqueous solutions using mesoporous exfoliated graphite. 2022 , 109480	O
303	Effectiveness of citrus fruit peel as a biosorbent for the mitigation of aflatoxins in vitro. 1-15	1
302	Starch-grafted-poly(acrylic acid)/Pterocladia capillaceallerived activated carbon composite for removal of methylene blue dye from water.	O
301	Multifunctional Loblolly Pine-Derived Superactivated Hydrochar: Effect of Hydrothermal Carbonization on Hydrogen and Electron Storage with Carbon Dioxide and Dye Removal. 2022 , 12, 3575	O
300	Effective removal of Cr(VI) and methyl orange by nano magnetite loaded starch/muscovite biocomposite: Characterization, experiments, advanced modeling, and physicochemical parameters interpretation. 2022,	1
299	One-step synthesis of magnetic fly ash composites for methylene blue removal: batch and column study.	1
298	Efficient Removal of Lead Ions from Aqueous Media Using Sustainable Sources Based on Marine Algae.	O
297	Raw sunflower seed shell particles as a green adsorbent for the adsorption of synthetic organic dyes from wastewater.	O
296	Enhanced Fluoride Adsorption on Aluminum-Impregnated Kenaf Biochar: Adsorption Characteristics and Mechanism. 2022 , 233,	O
295	Decontamination of toxic Pb+2, Cd+2, and Ni+2 from the liquid medium using modified apple juice industrial biomass: isotherm and kinetic study.	0
294	Efficient Sequestration of Cr(VI) from Aqueous Solution Using Biosorbent Derived from Arundo donax Stem. 2022 , 2022, 1-12	O
293	Fruit peel-based mesoporous activated carbon via microwave assisted K2CO3 activation: Box Behnken design and desirability function for methylene blue dye adsorption. 1-13	2
292	Activation of Peroxymonosulfate by UV-254 nm Radiation for the Degradation of Crystal Violet. 2022 , 14, 3440	O

291	Feasibility of fluoride removal using calcined Mactra veneriformis shells: Adsorption mechanism and optimization study using RSM and ANN. 2022 ,	О
290	Recent advancements in adsorptive removal of organophosphate pesticides from aqueous phase using nanomaterials.	1
289	Recent methods in the production of activated carbon from date palm residues for the adsorption of textile dyes: A review. 10,	О
288	Adsorption properties of \blacksquare arotene on mesoporous carbon-coated honeycomb monolith: Kinetics, thermodynamics, and regeneration studies.	О
287	Enhanced and fast fluoride adsorption using cerium organic frameworks based hydrotalcite hybrid material. 2022 ,	0
286	Decontamination of 137Cs,95Zr, 154Eu and 144Ce from aqueous solutions using polyacrylamide titanium tungstosilicate.	O
285	Recovery of Lead (II) Ions from Aqueous Solutions Using G-26 and MTS9570 Resins with Sulfonic/Phosphonic Functional Groups. 2022 , 12, 1312	О
284	Modification of Clinoptilolite as a Robust Adsorbent for Highly-Efficient Removal of Thorium (IV) from Aqueous Solutions. 2022 , 19, 13774	О
283	Magnetic nanocomposite adsorbents for abatement of arsenic species from water and wastewater.	О
282	Enhanced Adsorption of Tetracycline by Thermal Modification of Coconut Shell-Based Activated Carbon. 2022 , 19, 13741	О
281	Identification of Phosphate Sorption-Desorption and Accumulation Characteristics to Reduce Environmental Consequences. 1-19	О
280	The Combined Implementation of Electrocoagulation and Adsorption Processes for the Treatment of Wastewaters. 2022 , 4, 1020-1053	2
279	Removal of acid yellow dye 17 from aqueous solutions using an activated bone char.	О
278	Evaluation of the use of adsorbents based on graphene oxide and cellulose for Cr(VI) adsorption. 1-19	О
277	A comprehensive review of the importance of thermal activation in the production of carbon dots and the potential for their use in the bioenergy industry.	О
276	Relative Empirical Evaluation of the Aqueous Sequestration of Methylene Blue Using Benzene-1,4-dicarboxylic Acid-Linked Lanthanum and Zinc Metal Organic Frameworks. 2022 , 233,	Ο
275	Removal of Eu3+ from simulated aqueous solutions by synthesis of a new composite adsorbent material. 2022 , 110543	О
274	Modeling of lead (II) ion adsorption on multiwall carbon nanotubes using artificial neural network and Monte Carlo technique. 1-17	O

273	Fe3O4 Nanoparticles Loaded Bentonite/Sawdust Interface for the Removal of Methylene Blue: Insights into Adsorption Performance and Mechanism via Experiments and Theoretical Calculations. 2022 , 14, 3491	2
272	DMSA-incorporated silsesquioxane-based hybrid polymer for selective adsorption of Pb(II) from wastewater. 2022 , 120723	1
271	Latvian Sheep Wool Fiber as a Cheap Natural Adsorbent for the Removal of Congo Red Dye from Wastewater. 2022 , 233,	1
270	Removal of the Amoxicillin antibiotic from aqueous matrices by means of an adsorption process using Kaolinite clay. 2022 , 18, e01390	O
269	Removal of As(III)/As(V) from aqueous solution using newly developed thiosalicylic acid coated magnetite [TSA@Fe3O4] nanoparticles.	0
268	Synthesis and application of Zr-metalBrganic framework for simultaneous detection and rapid adsorption of p-nitrophenol from water.	O
267	Identification of the aged microplastics film and its sorption of antibiotics and bactericides in aqueous and soil compartments. 2022 , 185, 114312	1
266	Ciprofloxacin and Metronidazole Adsorption on Chitosan-Modified Graphene Oxide as Single-Compound and Binary Mixtures: Kinetics, Isotherm, and Sorption Mechanism. 2023 , 27,	О
265	Adsorption Efficiency, Isotherms, and Kinetics for Cationic Dye Removal Using Biowaste Adsorbent. 2023 , 27,	О
264	Phenolic hydroxyl-functionalized hyper-cross-linked polymers for efficient adsorptive removal of aniline. 2023 , 305, 122443	1
263	Influence of regeneration conditions on cyclic CO2 adsorption on NaA zeolite at high pressures. 2023 , 67, 102296	О
262	Ketoprofen and aspirin removal by laccase immobilized on date stones. 2023 , 311, 137133	1
261	Facile construction of cost-effective zinc-aluminium polymeric framework for efficient removal of selective both drug and dye from an aqueous medium. 2023 , 311, 137105	0
2 60	A green process for the conversion of hazardous sintering dust into K2SO4 and NH4Cl fertilizers. 2023 , 326, 116676	O
259	Depleted shale gas formations as naturally-occurring storage compartments for hydrogen: A molecular-level assessment. 2023 , 334, 126695	1
258	Comparative adsorptive performance of adsorbents developed from kaolin clay and limestone for de-fluoridation of groundwater. 2023 , 44, 1-13	O
257	Centenary of Langmuir Isotherm. 1-16	O
256	Sorption studies of Pb(II) onto montmorillonite clay. 2022, 1087, 012007	O

255	Acid modification of waterworks sludge for dye removals: synthetic and real textile wastewater.	O
254	Fabrication of cellulose acetate/cellulose nitrate/carbon black nanofiber composite for oil spill treatment.	O
253	Adsorption and Removal of Phosphate from Wastewater Using Lignin-Based Adsorbent Modified with Lanthanide: Characterization, Performance, and Mechanisms.	O
252	Relevance of Anethum graveolens to remove Rhodamine B in aqueous solution: characterization, kinetic and isotherm study.	O
251	Composite fabrication and characterization of crosslinked polyaniline/Pterocladia capillacea-activated carbon for adsorption of direct blue-86 dye from water.	О
250	Efficient removal of neodymium from aqueous solution by amino-functionalized SBA-15.	O
249	Synthesis, Characterization, and Application of Geopolymer/TiO2 Nanoparticles Composite for Efficient Removal of Cu(II) and Cd(II) Ions from Aqueous Media. 2022 , 12, 1445	1
248	Efficiency evaluation of orange and banana peels for dye removal from synthetic industrial effluent. 2022 ,	O
247	Di- and tri- cyclic aromatic hydrocarbons removal using different prepared materials based Sargassum dentifolium algae, and iron oxide. 1-24	О
246	Beyond Freundlich and Langmuir: the Ruthven Dirial equilibrium isotherm for aqueous-solid adsorption systems.	O
245	The potential of polyethylene microplastics to transport copper in aquatic systems: Adsorption and desorption studies. 2022 , 94,	О
244	Intensified Pb(II) adsorption using functionalized KCC-1 synthesized from rice husk ash in batch and column adsorption studies.	O
243	Sugarcane bagasse as low-cost solid-phase extraction sorbent for pesticides in water. 1-15	О
242	Reservoir Damage in Coalbed Methane Commingled Drainage Wells and Its Fatal Impact on Well Recovery.	O
241	Waterborne phenolic, triazine-based porous polymer particles for the removal of toxic metal ions. 2022 , 8, 100066	O
240	Synthesis and characterization of metal oxide based ion exchanger from chicken egg shell biomass for the removal of arsenic from water. 2022 , 30, 100870	O
239	Toppling the Ivory Tower: Increasing Public Participation in Research Through Open and Citizen Science. 2022 , 21,	О
238	Effect of graphene oxide on the uptake, translocation and toxicity of metal mixture to Lepidium sativum L. plants: Mitigation of metal phytotoxicity due to nanosorption. 2022 , 137221	O

237	Synthesis, characterization, and use of an amine-functionalized mesoporous silica SBA-15 for the removal of Congo Red from aqueous media.	O
236	Moisture Retention and Multi-mechanistic Transport Behavior in Nanoporous Coal.	O
235	Revealing the stochastic kinetics evolution of photocatalytic CO2 reduction.	О
234	Strain Effect on the Field-Effect Sensing Property of Si Wires.	O
233	Source/Sink Characteristics of SVOCs. 2022 , 695-740	О
232	Effect of Ni doping on the adsorption and visible light photocatalytic activity of ZnO hexagonal nanorods. 2023 , 147, 110208	О
231	Rapid and selective removal of toxic cationic dye using biodegradable copolymer derived from glycogen and poly (acrylic acid) through ATRP. 2023 , 100, 100844	О
230	Adsorption vs. surface precipitation of Cu2+ onto porous Poly(melamine-co-formaldehyde) particles. 2023 , 348, 112383	О
229	New Hg(ii) coordination polymers based on a thioimidazole ligand with good performance to detoxify Hg(ii) and reversibly capture iodine.	0
228	Development of peptide affinity ligands for the purification of polyclonal and monoclonal Fabs from recombinant fluids. 2023 , 1687, 463701	О
227	Preparation of alkali lignin extracted from ligno-cellulosic populus tremula fibers: Application to copper oxide nanoparticles synthesis, characterization, and methylene blue biosorption study. 2023 , 226, 956-964	O
226	Kinetic and isotherm studies on the adsorptiondesorption of technical-grade endosulfan in loamy soils under Theobroma cacao L cultivation, Southwestern Nigeria.	1
225	Poled polymers and their nonlinear optics.	O
224	Adsorption of BTX from produced water by using ultrasound-assisted combined multi-template imprinted polymer (MIPs); factorial design, isothermal kinetics, and Monte Carlo simulation studies. 2023 , 370, 121079	О
223	Adsorption behaviors of heavy metal ions by different hydrazone-modified sodium alginate in aqueous medium: Experimental and DFT studies. 2023 , 659, 130754	0
222	Effective adsorption of tannic acid by porous dual crosslinked soy protein isolate-alginate hybrid spheres from aqueous solution. 2023 , 189, 250-261	1
221	Recent advances in graphene-derived materials for biomedical waste treatment. 2023 , 51, 103440	O
220	Effective removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions using polyaniline recovered from non-recyclable pigment effluent via electro polymerization. 2023 , 51, 103407	0

219	Biomass-based adsorbents for post-combustion CO2 capture: Preparation, performances, modeling, and assessment. 2023 , 328, 117020	1
218	Porous nanocomposites for sorptive elimination of ibuprofen from synthetic wastewater and its molecular docking studies. 2023 , 218, 114984	O
217	Removing methylene blue from water: A study of sorption effectiveness onto nanoparticles-doped activated carbon. 2023 , 313, 137533	O
216	Hollow nano-CaCO3's VOC sensing properties: A DFT calculation and experimental assessments. 2023 , 313, 137334	О
215	Fabrication of zirconium metal-organic-framework/poly triazine-phosphanimine nanocomposite for dye adsorption from contaminated water: Isotherms and kinetics models. 2023 , 1275, 134691	2
214	Prunus mahaleb shell as a sustainable bioresource for carminic acid removal from aqueous solution: Experimental and theoretical studies. 2023 , 1275, 134618	O
213	Molecular level insight into the different interaction intensity between microplastics and aromatic hydrocarbon in pure water and seawater. 2023 , 862, 160786	О
212	A critical review on the interaction of polymer particles and co-existing contaminants: Adsorption mechanism, exposure factors, effects on plankton species. 2023 , 445, 130463	O
211	Preparation of SiO2@EVA coreBhell particles via post-emulsification method with polydisperse SiO2 particle sizes and the critical thickness-to-diameter ratio in PA6/SiO2@EVA system. 2023 , 614, 156051	О
210	An insight into the potential of dolomite powder as a sorbent in the elimination of heavy metals: A review. 2023 , 7, 100276	1
209	Hydroxyapatite-activated seaweed biochar for enhanced remediation of fluoride contaminated soil at various pH ranges. 2023 , 11, 100329	О
208	Source/Sink Characteristics of VVOCs and VOCs. 2022 , 647-694	O
207	Activated carbon prepared by co-pyrolysis of waste tobacco straw and waste LDPE mulch film: characterization and application for methylene blue removal. 2022 , 12, 34165-34175	O
206	Artificial coloration of smectite by adsorbing dyes from wastewater to make a hybrid pigment. 1-36	O
205	Adsorption of cefixime and lamotrigine on HKUST-1/ZIF-8 nanocomposite: isotherms, kinetics models and mechanism.	О
204	Chitosan Functionalized Alunite as a Green Composite for Sorption and Preconcentration of Copper: From Parametric Optimization to Application.	O
203	Chestnut Shell-Activated Carbon Mixed with Pyrolytic Snail Shells for Methylene Blue Adsorption. 2022 , 15, 8227	1
202	Oxidative exfoliation of spent cathode carbon: a two-in-one strategy for its decontamination and high-valued application. 2022 ,	О

201	Synthesis, Adsorption Isotherm and Kinetic Study of Alkaline-Treated Zeolite/Chitosan/Fe3+Composites for Nitrate Removal from Aqueous SolutionAnion and Dye Effects. 2022 , 8, 782	1
200	Synthesis and Structure of a Copper-Based Functional Network for Efficient Organic Dye Adsorption. 2022 , 61, 19764-19772	O
199	Remoß de chumbo (II) de soluß aquosa por nanopart@ulas magn@cas (MnFe2O4) funcionalizadas com poliestireno sulfonado. 2022 , 27, 1133-1144	0
198	Magnetic pomegranate peels activated carbon (MG-PPAC) composite for Acid Orange 7 dye removal from wastewater.	O
197	Development of a Toxic Lead Ionic Sensor Using Carboxyl-Functionalized MWCNTs in Real Water Sample Analyses. 2022 , 22, 8976	0
196	Experimental study on adsorption removal of SO2 in flue gas by defective UiO-66. 2022, 140687	2
195	Immobilization of Dithizone on Magnetic Zeolite in Less Toxic Medium and its Application as Adsorbent Cd(II) Ion in Water. 1076, 133-142	0
194	One-Step Pyrolysis of Nitrogen-Containing Chemicals and Biochar Derived from Walnut Shells to Absorb Polycyclic Aromatic Hydrocarbons (PAHs). 2022 , 23, 15193	1
193	Direct Correlation of Surface Tension and Surface Composition of Ionic Liquid Mixtures A Combined Vacuum Pendant Drop and Angle-Resolved X-ray Photoelectron Spectroscopy Study. 2022 , 27, 8561	0
192	Comparative study on the removal of a local scrap iron tannery made dye from wastewater using alum and rice husk. 2022 , 102071	O
191	Hydroxyapatite Nanopowders for Effective Removal of Strontium Ions from Aqueous Solutions. 2023 , 16, 229	1
190	Prediction models of dye adsorption by Treptacantha barbata. 2022 , 39, 300-310	O
189	Removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions by nanofiltration and activated carbon.	1
188	Molecular-kinetic study of multilayers gas-adsorption in a rarefied gas environment. 2022 , 34, 123106	O
187	Adsorption, Diffusion, and Transport of C1 to C3 Alkanes and Carbon Dioxide in Dual-Porosity Kerogens: Insights from Molecular Simulations.	1
186	Fabrication, characterization and adsorption investigation of Nano zinc oxideBodium alginate beads for effective removal of chromium (VI) from aqueous solution.	O
185	Effect of soil amendments on the sorption behaviour of atrazine in sandy loam soil.	0
184	Polysaccharide-Based Composite Hydrogels as Sustainable Materials for Removal of Pollutants from Wastewater. 2022 , 27, 8574	4

183	Developments in Adsorption Technologies for Removal of Heavy Metals, Dyes, and Xenobiotics. 2022 , 81-113	O
182	Critical Parameters and Mechanisms of Chromium Removal from Water by Copper-Based Nanoparticles. 2023 , 234,	O
181	Copyrolysis of microalga Chlorella sp. and alkali lignin with potassium carbonate impregnation for synergistic Bisphenol A plasticizer adsorption. 2022 ,	0
180	Thermodynamic studies of Congo red dye adsorption: avoiding erroneous conclusions from the use of isotherm models. 1-10	O
179	Synthesis and structural characterization of new group 12 metal ions coordination polymers built on sulfur-based ligand and probing their high iodine adsorption efficiency in micro and bulk forms.	0
178	A detailed electronic-scale DFT simulation and a response surface methodology for the removal of Fe (III) ions from aqueous solutions. 1-13	O
177	Equilibrium, kinetic, and thermodynamic studies of the adsorption of anionic and cationic dyes from aqueous solution using agricultural waste biochar.	0
176	Adsorption of Pb (II) ions from Aqueous Solution Using CuO-ZnO Nanocomposites.	О
175	Synergism between walnut green husk extract and sodium dodecyl benzene sulfonate on cold rolled steel in 1.0 mol/L H2SO4 solution. 2022 ,	0
174	Fabricating of Fe3O4@Ag-MOF nanocomposite and evaluating its adsorption activity for removal of doxorubicin. 1-17	O
173	Biomass as adsorbent [A depollution cost effective material in a promising market. 2022, 1123, 012070	O
172	Superior Adsorption and removal of doxorubicin from aqueous solution using activated carbon via thermally treated green adsorbent: Isothermal, Kinetic, and Thermodynamic Studies. 1-47	1
171	A Critical Review of the Removal of Radionuclides from Wastewater Employing Activated Carbon as an Adsorbent. 2022 , 15, 8818	O
170	Green synthesis of ZnFe 2 O 4 nanoparticles using Chrysanthemum spp. flower extract for the adsorption and photocatalytic degradation of malachite green dye.	O
169	Adsorption Characteristics for Cu(II) and Phosphate in Chitosan Beads under Single and Mixed Conditions. 2023 , 15, 421	O
168	The brown marine algae [laminaria digitatalfor the outstanding biosorption of methylene blue and reactive blue 19 dyes: kinetics, equilibrium, thermodynamics, regeneration, and mechanism studies.	O
167	Adsorption characteristics of dopamine by activated carbon: Experimental and theoretical approach. 2023 , 134964	0
166	Adsorption of Fluoride from Water Using Aluminum Coated Sand: Kinetics, Equilibrium, Effect of pH, and Coexisting Ions. 2022 , 10, 224-241	O

165	Porous materials prepared from eco-friendly attapulgite and gallnut stabilized aqueous foam templates for high-efficient removal of organic pollutants. 2023 , 100315	0
164	A Novel Semianalytical Model for the Relationship between Formation Pressure and Water Saturation in Coalbed Methane Reservoirs. 2023 , 16, 875	Ο
163	Controlling the Hydrogen Generation Reaction from Waste Water in Oil Fields Using an Ionic Liquid.	0
162	From disposal problem to valuable product: the route of sewage sludge as an adsorbent for congo red removal.	O
161	Imidazolium functionalized polysulfone/DTPA-chitosan composite beads for simultaneous removal of Cr(VI) and Cu(II) from aqueous solutions. 2023 , 123145	O
160	Study on adsorption properties and mechanism of sodium hydroxidefhodified ball-milled biochar to dislodge lead(II) and MB from water.	O
159	Surfactant assisted APTES functionalization of graphene oxide intercalated layered double hydroxide (LDH) for uranium adsorption from alkaline leach liquor. 2023 , 136058	O
158	Application of Walnut Shell Biowaste as an Inexpensive Adsorbent for Methylene Blue Dye: Isotherms, Kinetics, Thermodynamics, and Modeling. 2023 , 10, 60	2
157	Facile Surface Treatment of 3D-Printed PLA Filter for Enhanced Graphene Oxide Doping and Effective Removal of Cationic Dyes. 2023 , 15, 269	0
156	A Zero-CostlAdsorbing Hydroxyapatite-Based Material from Amazon Fishery Waste for Water Remediation and Nutrient Release for Agriculture. 2023 , 3, 34-60	Ο
155	Biosorption of selected heavy metals on wild thyme to prepare antibacterial agents.	O
154	Chemically activated carbon preparation from natural rubber biosludge for the study of characterization, kinetics and isotherms, thermodynamics, reusability during Cr(VI) and methylene blue adsorption.	O
153	Experimental measurement and modeling of asphaltene adsorption onto iron oxide and lime nanoparticles in the presence and absence of water. 2023 , 13,	0
152	Proficiency of some synthetic alginate derivatives for sequestration of Iodine-131 from radioactive liquid waste.	O
151	Carbon dioxide flow behaviour in macro-scale bituminous coal: An experimental determination of the influence of effective stress. 2023 , 126754	0
150	Comparative Study on Adsorption of Crystal Violet and Chromium (VI) by Activated Carbon Derived from Spent Coffee Grounds. 2023 , 13, 985	0
149	Copper Recovery from Aqueous Solutions by Hemp Shives: Adsorption Studies and Modeling. 2023 , 11, 191	O
148	Synthesis of polymer-metal oxide (PANI/ZnO/MnO2) ternary nanocomposite for effective removal of water pollutants. 2023 , 5, 100764	O

147	Chemical modification of microcrystalline cellulose with polyethyleneimine and hydrazine: Characterization and evaluation of its adsorption power toward anionic dyes. 2023 , 229, 210-223	0
146	Green synthesis of reduced graphene oxide and their use on column adsorption of phenol from olive mill wastewater. 2023 , 170, 1079-1091	O
145	Development and application of gas adsorption model for coal based on particle flow code. 2023 , 110, 204858	O
144	Exact scaling of adsorption isotherms of clay-polymer composites: Comparison to experiment. 2023 , 219, 111994	О
143	Synthesis and characterization of magnetic nanoparticles-grafted-hyaluronic acid/tyclodextrin as a novel pH-sensetive nanocarrier for targeted delivery of doxorubicin. 2023 , 148, 110366	1
142	Toxic gas removal with kaolinite, metakaolinite, radiolarite, and diatomite. 2023 , 314, 137707	О
141	A critical review of adsorption isotherm models for aqueous contaminants: Curve characteristics, site energy distribution and common controversies. 2023 , 329, 117104	2
140	Synthesis, characterization and performance evaluation of NaOH@Chitosan-Fe3O4 as an adsorbent for CO2 capture. 2023 , 338, 127300	О
139	Adsorptive removal of Uranium (VI) using zeolitic imidazole framework (ZIF)-67 from alkaline leach liquor. 2023 , 310, 123137	0
138	A sensitive fluorescent assay based on gold-nanoclusters coated on molecularly imprinted covalent organic frameworks and its application in malachite green detection. 2023 , 410, 135425	О
137	Adsorptive Pattern Using Drinking Water Treatment Residual for Organic Effluent Abatement from Aqueous Solutions. 2023 , 16, 247	0
136	Thermodynamic Modeling of Saponin Adsorption Behavior on Sandstone Rocks: An Experimental Study.	О
135	As(III) removal from aqueous solutions using simultaneous oxidation and adsorption process by hierarchically magnetic flower-like Fe3O4@C-dot@MnO2 nanocomposite.	O
134	An Integrated Approach for the Recovery of Sn from Used Water Adsorbents. 2023 , 15, 97	O
133	Competitive Adsorption of Caffeine and Diclofenac Sodium onto Biochars Derived from Fique Bagasse: An Immersion Calorimetry Study. 2023 , 8, 1967-1978	O
132	The Pharmacological Analysis of Drug Activity in Receptor Systems. 2017 , 14-44	О
131	Green Zinc Oxide (ZnO) Nanoparticle Synthesis Using Mangrove Leaf Extract from Avicenna marina: Properties and Application for the Removal of Toxic Metal Ions (Cd2+ and Pb2+). 2023 , 15, 455	O
130	Calculations of adsorption-dependent refractive indices of metal-organic frameworks for gas sensing applications.	О

129	Application of QPPO/PVA based commercial anion exchange membrane as an outstanding adsorbent for the removal Eosin-B dye from wastewaters. 2023 , 138006	0
128	Adsorption of Orange G Dye on Hydrophobic Activated Bentonite from Aqueous Solution. 2023 , 13, 211	O
127	Silver-coated activated carbon nanocomposite by Moringa oleifera for dye removal by multivariate optimization approach.	O
126	Lateral deformation of expressway embankment on the Qinghaillibet Plateau: field observation and theoretical model. 2023 , 24,	O
125	Novel approach for the synthesis of hybrid clay-based nanopigments and their application as coloring agents.	O
124	SiO2 nanospheres as surfactant and template in aqueous dispersion polymerizations yielding highly nanoporous resin particles. 2023 , 637, 372-388	O
123	SALINITY REMOVAL OF RECLAIMED WASTEWATER USING NATURAL AND MODIFIED ZEOLITE AND NANO ZEOLITE PARTICLES. 2022 ,	O
122	Chemical-steam coinjection. 2023 , 225-325	O
121	Enhanced Adsorption and Evaluation of Tetracycline Removal in an Aquatic System by Modified Silica Nanotubes. 2023 , 8, 6762-6777	0
120	Magnetic biochar modified with crosslinked chitosan and EDTA for removing cobalt from aqueous solutions.	O
119	Isotherm and kinetic studies of acid yellow 11 dye adsorption from wastewater using Pisum Sativum peels microporous activated carbon. 2023 , 13,	O
118	Adsorption removal of arsenic from Aqueous solution by carboxy methyl Cellulose(CMC) modified with montmorillonite. 2023 , 17, 100378	O
117	Removal of Mn (II) from aqueous solution via biosorption technology for a drinking water treatment plant: from laboratory-scale tests to semi-industrial scale predictions. 2023 ,	0
116	Dual-functional marine algal carbon-based materials with highly efficient dye removal and disinfection control.	O
115	Removal of Aqueous Pb2+ on Partially esterified Cellulose Obtained by Almond Shell Dissolution Using Deep Eutectic Solvent.	0
114	Adsorption of pharmaceutical ibuprofen over functionalized zirconium metal-organic frameworks; Batch experiment and mechanism of interaction. 2023 , 235, 116349	O
113	Utilization of red clay brick waste in the green preparation of an efficient porous nanocomposite for phenol adsorption: Characterization, experiments and statistical physics treatment. 2023 , 32, 101027	0
112	Fluoride sorption using Al and Mg modified Dicerocaryum eriocarpum leaves mucilage. 2023 , 30, 103075	O

111	Removal of Congo red dye from aqueous environment by zinc terephthalate metal organic framework decorated on silver nanoparticles-loaded biochar: Mechanistic insights of adsorption. 2023 , 355, 112568	0
110	Adsorption of RhB dye on soy protein isolate-based double network spheres: Compromise between the removal efficiency and the mechanical strength. 2023 , 193, 268-280	O
109	Ecofriendly removal of Lead, Cadmium and Arsenic along with turbidity from contaminated water using natural reservoir clay (NRC) and S. pasteurii derived urease. 2023 , 556, 116522	О
108	Coupling effect of ionophore and oxidoreductases produced by halotolerant novel fungal strain Trametes flavida WTFP2 on dye wastewater treatment: An optimized green bioprocess. 2023 , 11, 109629	O
107	A carboxyl-functionalized covalent organic polymer for the efficient adsorption of saxitoxin. 2023 , 452, 131247	0
106	A new tribasic copper chloride adsorbent's synthesis, characterization and analysis of its regeneration using a Fenton-like procedure. 2023 , 292, 116439	O
105	Adsorption of Pb(II) from wastewater using a red mud modified rice-straw biochar: Influencing factors and reusability. 2023 , 326, 121405	0
104	Graphene oxide-based dendritic adsorbent for the excellent capturing of platinum group elements. 2023 , 451, 131206	O
103	Mechanisms of polystyrene nanoplastics adsorption onto activated carbon modified by ZnCl2. 2023 , 876, 162763	0
102	Microstructured silicon substrates impregnated with bis(2,4,4-trimethylpentyl) phosphinic acid for selective scandium recovery. 2023 , 622, 156852	1
101	Enhanced fluoride removal from groundwater using red and white kaolinite lithomarge to develop a low cost eco-friendly defluoridation unit in rural areas of Shilabati river basin, West Bengal. 2023 , 53, 103698	0
100	Adsorption reduction of a gemini surfactant on carbonate rocks using formic acid: Static and dynamic conditions. 2023 , 345, 128166	Ο
99	Comparative studies on adsorption isotherm and kinetic for CO2 capture using iron oxide impregnated activated carbon. 2023 , 418, 114111	0
98	A correlated theoretical and electrochemical investigation of the corrosion inhibition performance of phenolic Schiff bases on mild steel in HCl solution (Part B). 2023 , 152, 110684	O
97	Synthesis of novel magnetic pitch-based hypercrosslinked polymers as adsorbents for effective recovery of Ag+ with high selectivity. 2023 , 339, 117763	0
96	Simulacifi de curvas de rompimiento con un modelo fenomenolgico para describir la adsorcifi de Cu (II) y de Pb (II) en columna empacada de lecho fijo empleando isotermas de adsorcifi de Langmuir, Freundlich y Redlich - Peterson. 2023 , 11, 34-40	O
95	Acrylate-functionalized hyper-cross-linked polymers: Effect of the porogens in the polymerization on their porosity and adsorption from aqueous solution. 2023 , 311, 123380	0
94	The adsorption behavior of niobium (V) on kaolin clay and kaolinite. 2023 , 235, 106866	Ο

93	Utilization of barks of Araucaria columnaris: Preparation of activated carbon/clay composite beads and adsorptive treatment of phenolic wastewater. 2023 , 197, 116534	О
92	Chitosan based radiation crosslinked and grafted matrix: An environment friendly adsorbent for dye uptake. 2023 , 208, 110876	Ο
91	Intercalation of salicylaldoxime into layered double hydroxide: Ultrafast and highly selective uptake of uranium from different water systems via versatile binding modes. 2023 , 642, 623-637	0
90	Green synthesis of eco-friendly magnetic metal-organic framework nanocomposites (AlFum -graphene oxide) and pollutants (dye and pharmaceuticals) removal capacity from water. 2023 , 302, 127720	0
89	Mathematical modeling of supercritical CO2 extraction of Monteverdia aquifolia Mart. Biral leaves: Simple models approaching. 2023 , 194, 105855	0
88	Hydrogen sorption and diffusion in coals: Implications for hydrogen geo-storage. 2023 , 334, 120746	O
87	Effective adsorption of salvianolic acids with phenylboronic acid functionalized polyethyleneimine-intercalated montmorillonite. 2023 , 311, 123304	0
86	Insight the mechanism of MgAl/layered double hydroxide supported on rubber seed shell biochar for Remazol Brilliant Violet 5R removal. 2023 , 16, 104643	O
85	Design of hydrotalcite and biopolymers entrapped tunable cerium organic cubic hybrid material for superior fluoride adsorption. 2023 , 224, 113190	0
84	Effective biosorption of As(V) from polluted water using Fe(III)-modified Pomelo (Citrus maxima) peel: A batch, column, and thermodynamic study. 2023 , 9, e13465	O
83	Conjugated Microporous Polymer Hybrid Microparticles for Enhanced Applicability in Silica-Boosted Diclofenac Adsorption. 2200385	0
82	Halloysite-Magnesium Silicate Composites as Adsorbent for Removal of Methylene Blue and Heavy Metals from Aqueous Solution. 2023 , 45, 1-10	O
81	Watermelon rind derived carbon monolith as potential regenerable adsorbent for perchlorate. 2023 , 21, 101361	О
80	Superior adsorption and removal of industrial dye from aqueous solution via magnetic silver metal-organic framework nanocomposite. 1-17	O
79	Pillarization of Sumatera Bentonite by Sodium-assisted As Effective Adsorbent of Anionic Surfactants Sodium Lauryl Sulphate (SLS) Waste. 2023 , 18, 48-58	0
78	Microscopic theory of adsorption kinetics. 2023 , 158, 094107	O
77	Combined molecular dynamics simulations and experimental studies of the removal of cationic dyes on the eco-friendly adsorbent of activated carbon decorated montmorillonite Mt@AC. 2023 , 13, 5027-5044	2
76	Rock E luid Interactions of Alkyl Ether Carboxylate Surfactants with Carbonates: Wettability Alteration, Potential, and Adsorption. 2023 , 37, 3723-3740	O

75	Effect of Physical Nature (Intact and Powder) of Coal on CO2 Adsorption at the Subcritical Pressure Range (up to 6.4 MPa at 298.15 K). 2023 , 8, 7070-7084	0
74	Study of Potentially Toxic Metal Adsorption in a Polluted Acid and Alkaline Soil: Influence of Soil Properties and Levels of Metal Concentration. 2023 , 7, 16	1
73	Removal of chloride ion from drinking water using Ag NPs-Modified bentonite: Characterization and optimization of effective parameters by response surface methodology-central composite design. 2023 , 223, 115484	0
72	Removal of Paracetamol by Powdered Activated Carbon Synthesized From Orange Peels.	O
71	Modeling, Simulation, Optimization, and Experimental Verification of Mercury Removal onto Natural and Sulfur-Impregnated Zeolite Clinoptilolite Assessment of Feasibility for Remediation of Mercury-Contaminated Soil. 2023 , 11, 606	О
70	Recent Advances and Perspectives of CO2-Enhanced Coalbed Methane: Experimental, Modeling, and Technological Development. 2023 , 37, 3371-3412	O
69	Hybrid Beads of Poly(Acrylonitrile-co-Styrene/Pyrrole)@Poly Vinyl Pyrrolidone for Removing Carcinogenic Methylene Blue Dye Water Pollutant.	0
68	3D Printed Functionalized Nanocellulose as an Adsorbent in Batch and Fixed-Bed Systems. 2023 , 15, 969	O
67	Synthesis and testing of polyacrylamide-grafted waste sand derived composite adsorbent for water purification. 2023 , 34, 1757-1768	0
66	High strontium adsorption performance of layered zirconium phosphate intercalated with a crown ether. 2023 , 13, 6346-6355	O
65	Doffusal Olmayan Adsorpsiyon °zoterm Modellerinin Hata Analizi ile Optimizasyonu. 200-212	0
64	Influence of different nanocomposite carbon-based adsorbers on the adsorption desulfurization of dibenzothiophene in model oil and diesel fuel: a comparative study. 2023 , 136, 919-936	O
63	°de Bkirdeklerinden Elde Edilen Biyokh Kullan Farak Sulu Deltiden Kristal Viyole Boyarmaddesinin Uzakla Ffmas - 2023 , 13, 448-457	O
62	Recycling silica-rich wastes in sustainable mechanochemical-hydrothermal production of zeolite Y for ammonia remediation in aquaculture. 2023 , 106, 10-22	O
61	Magnetic sodium alginate grafted with waste carbonaceous material for diclofenac sodium removal: optimization of operational parameters and process mechanism. 2023 , 13, 6466-6480	0
60	Efficiency and selectivity of cost-effective Zn-MOF for dye removal, kinetic and thermodynamic approach.	O
59	Adsorption Efficiency and Photocatalytic Activity of Silver Sulfide Nanoparticles Deposited on Carbon Nanotubes. 2023 , 13, 476	0
58	Adsorption performance of phosphate in water by mixed precursor base geopolymers. 2023 , 255, 104166	Ο

57	Application of isotherms models and error functions in activated carbon CO2 sorption processes. 2023 , 354, 112513	O
56	Natural sediment at a dam and its inorganic materials as adsorbents of praseodymium (Pr(III)). 2023	O
55	Orange peels magnetic activate carbon (MG-OPAC) composite formation for toxic chromium absorption from wastewater. 2023 , 13,	0
54	A Green Approach to the Removal of Malachite Green Dye from Aqueous Medium Using Chitosan/Cellulose Blend. 2023 , 24, 1297-1307	0
53	Pseudomonas alcaliphila NEWG-2 as biosorbent agent for methylene blue dye: optimization, equilibrium isotherms, and kinetic processes. 2023 , 13,	0
52	Evaluation of CaO derived from Cerastoderma glaucum of Caspian beach as a natural sorbent for CO2 capture. 2023 , 6, 100360	O
51	Removal of Dye from Aqueous Solution Using Ectodermis of Prickly Pear Fruits-Based Bioadsorbent. 2023 , 15, 4700	0
50	Surface Modified Silicon Dioxide Based Functional Adsorbents Derived From Waste Sand for the Removal of Toxic Pollutants From Water.	O
49	Insights into the adsorption performance and mechanism of Cr(VI) onto porous nanocomposite prepared from gossans and modified coal interface: Steric, energetic, and thermodynamic parameters interpretations. 2023,	0
48	Highly efficient removal of organic dyes and heavy metal cation from wastewater by polyphenolate porous coordination polymer.	0
47	Synthesis, Characterization and Application of a MIP-polyHIPE for Selective Extraction of Angiotensin II Receptor Antagonists Residues in Natural Waters. 2023 , 20, 4878	0
46	Potential of waste mangosteen shell in the removal of cadmium ions: Effects of pH, contact time, and temperature. 2023 , 9, e14503	0
45	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.	0
44	Removal of methyl blue (MB) from aqueous solution using strontium aluminoborate (SrAl2B2O7): synthesis, characterization and adsorption studies. 1-9	O
43	The development of receptor theory. 2023 , 5-32	0
42	Fabrication, Characterization and Adsorption Investigation of Nano Zinc OxideBodium Alginate Beads for Effective Removal of Chromium (VI) from Aqueous Solution.	O
41	Combined amendment and capping of sediment with ferrihydrite and magnetite to control internal phosphorus release. 2023 , 235, 119899	0
40	Cost-Effective Natural Adsorbents for Remediation of Oil-Contaminated Water. 2023 , 15, 1186	O

39	Biomass-Based Silica/Calcium Carbonate Nanocomposites for the Adsorptive Removal of Escherichia coli from Aqueous Suspensions. 2023 , 10, 212	O
38	Kinetic and isotherm of competitive adsorption cadmium and lead onto Saccharomyces cerevisiae autoclaved cells.	O
37	A Feasibility Study on the Recall of Metallophilic Fungi from Fe(III)-Contaminated Soil and Evaluating Their Mycoremediation Capacity: Experimental and Theoretical Study. 2023 , 9, 382	0
36	Removal of endosulfan from water by municipal waste incineration fly ash-based geopolymers: Adsorption kinetics, isotherms, and thermodynamics. 4,	0
35	Application of passion fruit seed meal in alternative biodiesel purification process: study of glycerol adsorption mechanism and incorporation into polymeric membrane. 1-10	0
34	Label-Free Electrogenerated Chemiluminescence Aptasensing Method for Highly Sensitive Determination of Dopamine via Target-Induced DNA Conformational Change. 2023 , 95, 5500-5506	O
33	Radiation Resistance and Adsorption Behavior of Aluminum Hexacyanoferrate for Pd. 2023, 11, 321	0
32	Recent advances on humic acid removal from wastewater using adsorption process. 2023 , 53, 103679	O
31	Application of novel organic acid-modified biosorbent in the sequestration of aqueous zinc ion. 2023 , 9,	0
30	Recyclable Carbon-Based Hybrid Adsorbents Functionalized with Alumina Nanoparticles for Water Remediation. 2023 , 13, 598	O
29	Nanocrystalline structured ethylene glycol doped maghemite for persistent pollutants removal.	0
28	Effective Adsorption and Removal of Doxorubicin from Aqueous Solutions Using Mesostructured Silica Nanospheres: BoxBehnken Design Optimization and Adsorption Performance Evaluation. 2023 , 8, 14144-14159	O
27	Fabricated design of hydrotalcite embedded lanthanum organic frameworks for defluoridation of water.	0
26	Arsenic removal by highly efficient MnFe2O4/TiO2/g-C3N4 and MnFe2O4/TiO2/GO adsorbents from a groundwater sample, Bardsir, Iran. 2023 , 20, 100821	O
25	Thermodynamic, kinetic, and isotherm studies of Direct Blue 86 dye absorption by cellulose hydrogel. 2023 , 13,	0
24	Fabrication of N-doping activated carbons from fish waste and sawdust for Acid Yellow 36 dye removal from an aquatic environment. 2023 , 13,	O
23	Facile synthesis of eco-friendly activated carbon from leaves of sugar beet waste as a superior nonconventional adsorbent for anionic and cationic dyes from aqueous solutions. 2023 , 104900	0
22	Synthesis and Characterization of Graphene Oxide (GO) Obtained by Modified Hummer Method: Application to the Removal of Cadmium ions from Wastewater.	O

21	High-capacity/high-rate hybrid column for high-performance ion exchange. 2023 , 228, 115882	O
20	A Simple Calculation Method for Original Gas-in-Place and Water Influx of Coalbed Methane Reservoirs.	O
19	Experimental and density functional theory studies of methyl orange adsorption on Ni-Al/LDH intercalated sodium dodecyl sulfate. 2023 , 100214	0
18	Photogenic MnO2/Ag metal nanocomposites and their dye adsorbing activities. 2023, 101646	O
17	P olarity and Functionality Tailored Conjugated Microporous Polymer Coatings on Silica Microspheres for Enhanced Pollutant Adsorption 2023 ,	О
16	Phyllite/bentonite mixture as a novel effective buffer material for a geological disposal of radioactive waste.	O
15	Manganese Adsorption onto Permanganate-Modified Bamboo Biochars from Groundwater. 2023 , 15, 6831	O
14	Removal of Basic Blue 9 (Methylene Blue) Dyestuff from Aqueous Solutions Using Citric Acid Modified (Esterified) Sugar Beet Pulp.	O
13	Arginine-polyaniline@g-C3N4 for outstanding retention of Orange G dye from water.	O
12	Thermodynamic and kinetic affinity of CO2 relative to CH4 and their pressure, temperature and pore structure sensitivity in the competitive adsorption system in shale gas reservoirs. 2023 , 127591	O
11	Optimization of Lead and Diclofenac Removal from Aqueous Media Using a Composite Sorbent of Silica Core and Polyelectrolyte Coacervate Shell. 2023 , 15, 1948	O
10	Functionalized nanofibers for adsorption of heavy metal ions. 2023, 459-482	O
9	In Situ Forming MnFe2O4/D201 Magnetic Composite Adsorbents for High Selectivity Adsorption and Deep Treatment of As(V) from Wastewater. 2023 , 2023, 1-15	O
8	New Hybrid Adsorbents Based on Polyaniline and Polypyrrole with Silicon Dioxide: Synthesis, Characterization, Kinetics, Equilibrium, and Thermodynamic Studies for the Removal of 2,4-Dichlorophenol. 2023 , 15, 2032	O
7	Efficient separation and recovery process of Pd(II) based on sintering-leaching method by silica-based aluminum hexacyanoferrate. 2023 , 410, 137290	O
6	Potential Application of Innovative Aspergillus terreus/ Sodium Alginate Composite Beads as Eco-Friendly and Sustainable Adsorbents for Alizarin Red S Dye: Isotherms and Kinetics Models. 2023 , 11, 1135	O
5	Groundnut shell chemically treated with KOH to prepare inexpensive activated carbon: Methylene blue adsorption and equilibrium isotherm studies. 2023 , 231, 116026	О
4	Impact of Adsorption Swelling and Slippage Effects on Changes in Coal® Permeability at Different Temperatures. 2023 , 37, 7130-7150	O

3	A study of the adsorption of titanium dioxide and zinc oxide nanoparticles on polyethylene microplastics and their desorption in aquatic media. 2023 , 164163	О
2	Applying the potential theory of adsorption for adsorptive heat transformation.	О
1	Research Progress on the Applications of Seashell Adsorption Behaviors in Cement-Based Materials. 2023 , 13, 1289	О