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**Non-conventional low-cost adsorbents for dye removal: a review**

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2160	Kinetic and equilibrium studies on the adsorption of reactive red 120 from aqueous solution on <i>Spirogyra majuscula</i> . <b>2009</b> , 152, 139-145	60
2159	Minimization of organic chemical load in direct dyes effluent using low cost adsorbents. <b>2009</b> , 155, 234-240	28
2158	Influence of impregnation of chitosan beads with cetyl trimethyl ammonium bromide on their structure and adsorption of congo red from aqueous solutions. <b>2009</b> , 155, 254-259	56
2157	Recent developments in the preparation and regeneration of activated carbons by microwaves. <b>2009</b> , 149, 19-27	273
2156	Utilization of rice husk ash as novel adsorbent: a judicious recycling of the colloidal agricultural waste. <b>2009</b> , 152, 39-47	156
2155	Interaction between congo red and copper in a binary adsorption system: Spectroscopic and kinetic studies. <b>2009</b> , 340, 86-92	22
2154	Effect of trace Ag <sup>+</sup> adsorption on degradation of organic dye wastes. <b>2009</b> , 43, 2-7	21
2153	Studies on the adsorption of dyes into clinoptilolite. <b>2009</b> , 243, 286-292	70
2152	Adsorption of methylene blue by phoenix tree leaf powder in a fixed-bed column: experiments and prediction of breakthrough curves. <b>2009</b> , 245, 284-297	345
2151	Biosorption properties of dried <i>Neurospora crassa</i> for the removal of Burazol Blue ED dye. <b>2009</b> , 249, 273-278	28
2150	Biosorption of a reactive textile dye from aqueous solutions utilizing an agro-waste. <b>2009</b> , 249, 757-761	113
2149	Kinetics and equilibrium studies of methylene blue adsorption by spent coffee grounds. <b>2009</b> , 249, 267-272	225
2148	Sorption of acid dyes onto GLA and H <sub>2</sub> SO <sub>4</sub> cross-linked chitosan beads. <b>2009</b> , 249, 1180-1189	99
2147	Isolation and characterization of <i>Bacillus thuringiensis</i> for acid red 119 dye decolourisation. <i>Bioresource Technology</i> , <b>2009</b> , 100, 249-53	11 38
2146	Removal of basic (Methylene Blue) and acid (Egacid Orange) dyes from waters by sorption on chemically treated wood shavings. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1450-3	11 100

2145	Enhancing the adsorption capacities of acid dyes by chitosan nano particles. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1143-8	11	149
2144	Adsorption of phenol, p-chlorophenol and p-nitrophenol onto functional chitosan. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1168-73	11	177
2143	Activated carbons from waste biomass: an alternative use for biodiesel production solid residues. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1786-92	11	108
2142	Enhanced adsorption of congo red from aqueous solutions by chitosan hydrogel beads impregnated with cetyl trimethyl ammonium bromide. <i>Bioresource Technology</i> , <b>2009</b> , 100, 2803-9	11	255
2141	Congo red adsorption from aqueous solutions by using chitosan hydrogel beads impregnated with nonionic or anionic surfactant. <i>Bioresource Technology</i> , <b>2009</b> , 100, 3862-8	11	131
2140	Surfactant modified barley straw for removal of acid and reactive dyes from aqueous solution. <i>Bioresource Technology</i> , <b>2009</b> , 100, 4292-5	11	119
2139	Enhanced mechanical strength of chitosan hydrogel beads by impregnation with carbon nanotubes. <b>2009</b> , 47, 2933-2936		80
2138	Substituted polyaniline/chitosan composites: Synthesis and characterization. <b>2009</b> , 75, 448-453		125
2137	Adsorption of methylene blue and rhodamine B on baker's yeast and photocatalytic regeneration of the biosorbent. <b>2009</b> , 45, 145-151		57
2136	Intensification of the ultrafiltration process when separating aqueous solutions of acid dyes. <b>2009</b> , 31, 292-296		2
2135	Fe(III)-Immobilized Collagen Fiber: A Renewable Heterogeneous Catalyst for the Photoassisted Decomposition of Orange II. <b>2009</b> , 48, 1458-1463		10
2134	Adsorption of Cationic and Anionic Dyes onto Commercial Kaolin. <b>2009</b> , 27, 205-214		17
2133	Current in vitro methods in nanoparticle risk assessment: limitations and challenges. <b>2009</b> , 72, 370-7		339
2132	Fungal dye decolourization: recent advances and future potential. <b>2009</b> , 35, 127-41		441
2131	Removal of cationic dyes from aqueous solutions by kaolin: Kinetic and equilibrium studies. <b>2009</b> , 42, 583-590		327
2130	Chitosan intercalated montmorillonite: Preparation, characterization and cationic dye adsorption. <b>2009</b> , 42, 427-431		185
2129	Thermal characterization of methylene blue intercalated montmorillonites by photoacoustic technique. <b>2009</b> , 42, 483-487		8
2128	Adsorption of congo red by three Australian kaolins. <b>2009</b> , 43, 465-472		200

2127	Application of dye intercalated bentonite for developing latent fingerprints. <b>2009</b> , 44, 156-160	17
2126	Fly ashes from coal and petroleum coke combustion: current and innovative potential applications. <b>2009</b> , 27, 976-87	60
2125	Adsorption of Copper Ions and Methylene Blue in a Single and Binary System on Wheat Straw. <b>2009</b> , 54, 3229-3234	133
2124	Removal of Crystal Violet Dye from Aqueous Solution Using Calcined and Uncalcined Mixed Clay Adsorbents. <b>2009</b> , 45, 94-104	20
2123	Applications of Nanomaterials in Environmental Science and Engineering: Review. <b>2009</b> , 13, 110-119	63
2122	Equilibrium, kinetic and mechanism study for the adsorption of neutral red onto rice husk. <b>2009</b> , 12, 210-218	35
2121	Removal of Carmine Indigo Dye with Moringa oleifera Seed Extract. <b>2009</b> , 48, 6512-6520	63
2120	Surfactant-modified alumina: an efficient adsorbent for malachite green removal from water environment. <b>2009</b> , 44, 896-905	34
2119	Thermal characterisation of dye-intercalated K-10 montmorillonite ceramics using photoacoustic technique. <b>2009</b> , 89, 895-905	3
2118	Utilisation des éailles de cacao comme support de biofiltration pour le traitement d'effluents de l'industrie agro-alimentaireArticles envoyés à la Revue du génie et de la science de l'environnement.. <b>2009</b> , 36, 1059-1070	5
2117	Removal of plant poisoning dyes by adsorption on Tomato Plant Root and green carbon from aqueous solution and its recovery. <b>2009</b> , 249, 1132-1138	38
2116	Low-Cost Adsorbents: Growing Approach to Wastewater Treatment – Review. <b>2009</b> , 39, 783-842	728
2115	Azo dye Acid Red 27 decomposition kinetics during ozone oxidation and adsorption processes. <b>2009</b> , 44, 623-9	6
2114	Highly Efficient Adsorption of Bulky Dye Molecules in Wastewater on Ordered Mesoporous Carbons. <b>2009</b> , 21, 706-716	457
2113	Nanotechnologies for Water Environment Applications. <b>2009</b> ,	25
2112	Enhanced Removal of Methylene Blue from Aqueous Solution by Pummelo Peel Pretreated with Sodium Hydroxide. <b>2009</b> , 55, 619-624	11
2111	Removal of the Textile Dye Indanthrene Olive Green from Aqueous Solution Using Chitosan. <b>2009</b> , 27, 947-964	3
2110	Adsorption of Remazol Blue RR From Textile Effluents Using Azadirachta Indica Leaf Powder as an Alternative Adsorbent. <b>2009</b> , 27, 461-478	5

2109	Removal of Trihalomethanes from Aqueous Solution through Adsorption and Photodegradation. <b>2010</b> , 28, 601-610	5
2108	Chitin/Chitosan and Derivatives for Wastewater Treatment. <b>2010</b> , 561-585	14
2107	Chitin, Chitosan, and Their Derivatives in Beverage Industry. <b>2010</b> , 519-529	1
2106	Characterisation of activated carbon prepared from tamarind wood for wastewater treatment. <b>2010</b> , 2, 290	2
2105	Removal of basic dye (basic magenta) using low-cost biosorbents from aqueous solutions: kinetic and equilibrium studies. <b>2010</b> , 12, 151	
2104	Use of Incineration MSW Ash: A Review. <b>2010</b> , 2, 1943-1968	329
2103	Recent Development of Vegetal Tannins in Corrosion Protection of Iron and Steel. <b>2010</b> , 1, 223-231	16
2102	Starch-based biosorbents for dyes in textile wastewater treatment. <b>2010</b> , 12, 129	17
2101	Optimization of removal of methylene blue by Platanus tree leaves using response surface methodology. <b>2010</b> , 26, 111-6	25
2100	Preparation and characterization of activated carbon from Amygdalus Scoparia shell by chemical activation and its application for removal of lead from aqueous solutions. <b>2010</b> , 8, 1273-1280	4
2099	Chitosan-graft-polyaniline-based hydrogels: elaboration and properties. <b>2010</b> , 11, 1684-91	91
2098	Contamination of ground water as a consequence of land disposal of dye waste mixed sewage effluents: a case study of Panipat district of Haryana, India. <b>2010</b> , 85, 295-300	18
2097	Adsorption of anionic dyes on chitosan grafted poly(alkyl methacrylate)s. <b>2010</b> , 158, 393-401	82
2096	Removal of Reactive Black 5 by zero-valent iron modified with various surfactants. <b>2010</b> , 160, 27-32	73
2095	Adsorption of Cd (II) and Zn (II) from aqueous solutions using magnetic hydroxyapatite nanoparticles as adsorbents. <b>2010</b> , 162, 487-494	367
2094	Untreated clay with high adsorption capacity for effective removal of C.I. Acid Red 88 from aqueous solutions: Batch and dynamic flow mode studies. <b>2010</b> , 162, 591-598	68
2093	A comparative study on the properties, mechanisms and process designs for the adsorption of non-ionic or anionic dyes onto cationic-polymer/bentonite. <b>2010</b> , 91, 1601-11	94
2092	Adsorptive removal of Congo red, a carcinogenic textile dye, from aqueous solutions by maghemite nanoparticles. <b>2010</b> , 174, 398-403	477

2091	Adsorption of methylene blue on low-cost adsorbents: a review. <b>2010</b> , 177, 70-80	1919
2090	Efficient removal of dyes in water using chitosan microsphere supported cobalt (II) tetrasulfophthalocyanine with H <sub>2</sub> O <sub>2</sub> . <b>2010</b> , 177, 560-6	59
2089	Dye removal from aqueous solution by magnetic alginate beads crosslinked with epichlorohydrin. <b>2010</b> , 178, 434-9	135
2088	Removal of malachite green from aqueous solution by activated carbon prepared from the epicarp of <i>Ricinus communis</i> by adsorption. <b>2010</b> , 179, 178-86	174
2087	Adsorption and magnetic removal of neutral red dye from aqueous solution using Fe <sub>3</sub> O <sub>4</sub> hollow nanospheres. <b>2010</b> , 181, 1039-50	353
2086	Direct synthesis of pore-expanded amino-functionalized mesoporous silicas with dimethyldecylamine and the effect of expander dosage on their characterization and decolorization of sulphonated azo dyes. <b>2010</b> , 135, 124-130	35
2085	Removal of malachite green from water samples by cloud point extraction using Triton X-100 as non-ionic surfactant. <b>2010</b> , 8, 53-57	16
2084	Synthesis, characterization, and adsorption kinetics of titania nanotubes for basic dye wastewater treatment. <b>2010</b> , 16, 47-56	24
2083	The past, present, and future trends of biosorption. <b>2010</b> , 15, 86-102	458
2082	Decolouration of azo dyes by <i>Phanerochaete chrysosporium</i> immobilised into alginate beads. <b>2010</b> , 17, 145-53	46
2081	Turning calcium carbonate into a cost-effective wastewater-sorbing material by occluding waste dye. <b>2010</b> , 17, 97-105	20
2080	Adsorption-desorption characteristics and pollution behavior of reactive X-3B red dye in four Chinese typical soils. <b>2010</b> , 10, 1324-1334	23
2079	Investigation of equilibrium and kinetic parameters of methylene blue adsorption onto MCM-41. <b>2010</b> , 27, 1184-1191	44
2078	Study of photochemical and sonochemical processes efficiency for degradation of dyes in aqueous solution. <b>2010</b> , 27, 1805-1810	52
2077	Four marine-derived fungi for bioremediation of raw textile mill effluents. <b>2010</b> , 21, 217-33	62
2076	Optimization, equilibrium and kinetics studies on sorption of Acid Blue 9 using brown marine algae <i>Turbinaria conoides</i> . <b>2010</b> , 21, 713-27	26
2075	Assessment on the Removal of Methylene Blue Dye using Tamarind Fruit Shell as Biosorbent. <b>2010</b> , 213, 287-299	55
2074	Adsorption of Methylene Blue on magnesium silicate: kinetics, equilibria and comparison with other adsorbents. <b>2010</b> , 22, 467-73	48



2073	Competitive Adsorption of Methylene Blue and Rhodamine B on Natural Zeolite: Thermodynamic and Kinetic Studies. <b>2010</b> , 28, 349-356	19
2072	Modeling the Removal of Reactive Red 120 on Pistachio Husk. <b>2010</b> , 38, 173-180	20
2071	Online Preconcentration and Determination of Trace Levels Cadmium in Water Samples Using Flow Injection Systems Coupled with Flame AAS. <b>2010</b> , 38, 146-152	15
2070	Malachite Green Adsorption by a Residue-based Microwave-activated Adsorbent. <b>2010</b> , 38, 843-849	13
2069	Preparation and characterization of polyalginate-glutaraldehyde membranes Swelling analysis by microcalorimetry and adsorption kinetics of cationic dye. <b>2010</b> , 118, n/a-n/a	
2068	Removal of methylene blue from aqueous solution by adsorption onto zeolite synthesized from coal fly ash and its thermal regeneration. <b>2010</b> , 85, 845-850	49
2067	Adsorptive removal of anionic dyes by modified nanoporous silica SBA-3. <b>2010</b> , 256, 3228-3233	105
2066	Decomposition and decoloration of a direct dye by electron beam radiation. <b>2010</b> , 79, 33-35	33
2065	Effect of salinity on metal-complex dye biosorption by <i>Rhizopus arrhizus</i> . <b>2010</b> , 91, 1546-55	56
2064	Decolorization of dye wastewaters by biosorbents: a review. <b>2010</b> , 91, 1915-29	523
2063	Chitosan beads as barriers to the transport of azo dye in soil column. <b>2010</b> , 173, 144-50	22
2062	Preparation of dye waste-barium sulfate hybrid adsorbent and application in organic wastewater treatment. <b>2010</b> , 175, 179-86	15
2061	Removal of malachite green from aqueous solution using low-cost chlorella-based biomass. <b>2010</b> , 175, 844-9	123
2060	Adsorption mechanisms of removing heavy metals and dyes from aqueous solution using date pits solid adsorbent. <b>2010</b> , 176, 510-20	185
2059	Application of AIMCM-41 for competitive adsorption of methylene blue and rhodamine B: Thermodynamic and kinetic studies. <b>2010</b> , 178, 349-55	144
2058	Bioadsorption of methyl violet from aqueous solution onto Pu-erh tea powder. <b>2010</b> , 179, 43-8	60
2057	Characterization of pore-expanded amino-functionalized mesoporous silicas directly synthesized with dimethyldecylamine and its application for decolorization of sulphonated azo dyes. <b>2010</b> , 180, 106-14	37
2056	Development of organovermiculite-based adsorbent for removing anionic dye from aqueous solution. <b>2010</b> , 180, 499-507	58

2055	Adsorptive removal of methyl orange from aqueous solution with metal-organic frameworks, porous chromium-benzenedicarboxylates. <b>2010</b> , 181, 535-535		476
2054	Behaviors and mechanism of acid dyes sorption onto diethylenetriamine-modified native and enzymatic hydrolysis starch. <b>2010</b> , 183, 224-32		69
2053	A review on the utilization of fly ash. <b>2010</b> , 36, 327-363		1557
2052	The development and characterization of a novel chitosan/carbonised yucca ( <i>Yucca flaccida</i> ) bio-composite. <b>2010</b> , 30, 273-276		4
2051	A new type of chitosan hydrogel sorbent generated by anionic surfactant gelation. <i>Bioresource Technology</i> , <b>2010</b> , 101, 3853-8	11	73
2050	Carbonaceous adsorbents prepared by physical activation of pine sawdust and their application for removal of NO <sub>2</sub> in dry and wet conditions. <i>Bioresource Technology</i> , <b>2010</b> , 101, 5802-7	11	46
2049	Activated carbon/CoFe <sub>2</sub> O <sub>4</sub> composites: Facile synthesis, magnetic performance and their potential application for the removal of malachite green from water. <b>2010</b> , 156, 243-249		281
2048	Natural zeolites as effective adsorbents in water and wastewater treatment. <b>2010</b> , 156, 11-24		1294
2047	Utilization of agro-industrial and municipal waste materials as potential adsorbents for water treatment: A review. <b>2010</b> , 157, 277-296		779
2046	Methylene Blue biosorption by <i>Rhizopus arrhizus</i> : Effect of SDS (sodium dodecylsulfate) surfactant on biosorption properties. <b>2010</b> , 158, 474-481		75
2045	Equilibrium two-parameter isotherms of acid dyes sorption by activated carbons: Study of residual errors. <b>2010</b> , 160, 408-416		211
2044	Adsorption of acid dyes on fungal biomass: Equilibrium and kinetics characterization. <b>2010</b> , 162, 537-545		46
2043	Effect of activation method on the physicochemical properties and NO <sub>2</sub> removal abilities of sorbents obtained from plum stones ( <i>Prunus domestica</i> ). <b>2010</b> , 162, 723-729		25
2042	Comparison of Remazol Black B biosorptive properties of live and treated activated sludge. <b>2010</b> , 165, 184-193		31
2041	Removal of aromatic hydrocarbons from water by activated carbon from apricot stones. <b>2010</b> , 165, 258-264		58
2040	Equilibrium, thermodynamic and kinetic studies on adsorption of commercial dye by activated carbon derived from olive-waste cakes. <b>2010</b> , 165, 457-464		67
2039	A study on the adsorption characteristics of an amphiphilic phenothiazine drug on activated charcoal in the presence of surfactants. <b>2010</b> , 75, 194-203		36
2038	Microwave assisted thermal treatment of defective coffee beans press cake for the production of adsorbents. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1068-74	11	63

2037	Adsorption of congo red by chitosan hydrogel beads impregnated with carbon nanotubes. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1800-6	11	309
2036	Adsorption of trihalomethanes by humin: Batch and fixed bed column studies. <i>Bioresource Technology</i> , <b>2010</b> , 101, 3345-54	11	35
2035	Isolation and quantification of cadmium removal mechanisms in batch reactors inoculated by sulphate reducing bacteria: biosorption versus bioprecipitation. <i>Bioresource Technology</i> , <b>2010</b> , 101, 2981-17	11	51
2034	Adsorption behavior of methylene blue on carbon nanotubes. <i>Bioresource Technology</i> , <b>2010</b> , 101, 3040-611	11	579
2033	Volatile organic acid adsorption and cation dissociation by porphyritic andesite for enhancing hydrolysis and acidogenesis of solid food wastes. <i>Bioresource Technology</i> , <b>2010</b> , 101, 5076-83	11	11
2032	A simple method for the simultaneous decoloration and deproteinization of crude levan extract from <i>Paenibacillus polymyxa</i> EJS-3 by macroporous resin. <i>Bioresource Technology</i> , <b>2010</b> , 101, 6077-83	11	54
2031	Photosynthetic bacteria treatment of synthetic soybean wastewater: direct degradation of macromolecules. <i>Bioresource Technology</i> , <b>2010</b> , 101, 7672-4	11	34
2030	Effectiveness of <i>Cupressus sempervirens</i> cones as biosorbent for the removal of basic dyes from aqueous solutions in batch and dynamic modes. <i>Bioresource Technology</i> , <b>2010</b> , 101, 9500-7	11	58
2029	Physical, electrochemical and supercapacitive properties of activated carbon pellets from pre-carbonized rubber wood sawdust by CO <sub>2</sub> activation. <b>2010</b> , 10, 1071-1075	11	63
2028	Characterization of modified wheat straw, kinetic and equilibrium study about copper ion and methylene blue adsorption in batch mode. <b>2010</b> , 79, 1140-1149	11	252
2027	Evaluation of multifunctional properties of cotton fabric based on metal/chitosan film. <b>2010</b> , 80, 504-512	11	66
2026	Dissociation characteristic of the inclusion complex of cyclomaltohexaose (alpha-cyclodextrin) with 1-methylcyclopropene in response to stepwise rising relative humidity. <b>2010</b> , 345, 2085-9	11	14
2025	Degradation of methyl violet 6B dye by the Fenton process. <b>2010</b> , 254, 35-41	11	87
2024	Batch adsorption of 2,4-dichlorophenol onto activated carbon derived from agricultural waste. <b>2010</b> , 255, 159-164	11	56
2023	Removal of reactive dye Brilliant Red HE-3B from aqueous solutions by industrial lignin: Equilibrium and kinetics modeling. <b>2010</b> , 255, 84-90	11	47
2022	Removal of methylene blue from aqueous waste using rice husk and rice husk ash. <b>2010</b> , 259, 249-257	11	103
2021	Adsorption behavior of Cu <sup>2+</sup> from aqueous solutions onto starch-g-poly(acrylic acid)/sodium humate hydrogels. <b>2010</b> , 263, 170-175	11	130
2020	Biosorption of Basic Orange using dried <i>A. filiculoides</i> . <b>2010</b> , 36, 1333-1340	11	34

2019	Mechanistic and kinetic evaluation of biosorption of reactive azo dyes by free, immobilized and chemically treated <i>Citrus sinensis</i> waste biomass. <b>2010</b> , 36, 1660-1665	66
2018	Adsorption of Organic Dyes on Lignophenol under Heterogeneous Conditions. <b>2010</b> , 35, 963-966	
2017	Removal of methyl red from aqueous solution by activated carbon prepared from the <i>Annona squamosa</i> seed by adsorption. <b>2010</b> , 14,	44
2016	Evaluation of sugar-cane bagasse as bioadsorbent in the textile wastewater treatment contaminated with carcinogenic congo red dye. <b>2010</b> , 53, 931-938	37
2015	Removal of Red Acid Dye from Synthetic Wastewater by Adsorption onto Low-Cost Material. <b>2010</b> , 156-157, 375-378	
2014	METHYLENE BLUE SORPTION CAPACITY OF SOME COMMON WASTE PLANT MATERIALS. <b>2010</b> , 197, 1435-1444	14
2013	Modification of Straw for Activated Carbon Preparation and Application for the Removal of Dyes from Aqueous Solutions. <b>2010</b> , 239-252	2
2012	Treatment of Dye Wastewater by Bentonite Adsorption and Catalysis. <b>2010</b> ,	
2011	Molecularly imprinted polymers for some reactive dyes. <b>2010</b> , 40, 366-76	7
2010	Competitive Biosorption of Acid Dyes from Binary Solutions onto <i>Enteromorpha prolifera</i> : Application of the First Order Derivative Spectrophotometric Analysis Method. <b>2010</b> , 45, 380-393	6
2009	Adsorption of 2,4-dichlorophenol from Aqueous Solution by a New Low-Cost Adsorbent [Activated Bamboo Charcoal. <b>2010</b> , 45, 2329-2336	28
2008	Removal of methylene blue by lava adsorption and catalysis oxidation. <b>2010</b> , 31, 267-76	5
2007	Xylenol Orange Sorption on Modified Carboxymethyl Cellulose. <b>2010</b> ,	
2006	Study on the Thermooxidative Degradation Kinetics of Tetrafluoroethylene-Ethylene Copolymer Filled with Rice Husks Ash. <b>2010</b> , 49, 541-554	24
2005	Equilibrium and molecular mechanism of anionic dyes adsorption onto copper(II) complex of dithiocarbamate-modified starch. <b>2010</b> , 26, 752-8	56
2004	Combined ultrafiltration-adsorption water purification of the cationic violet dye. <b>2010</b> , 32, 101-106	9
2003	Reusable nanomaterial and plant biomass composites for the removal of Methylene Blue from water. <b>2010</b> , 31, 755-60	8
2002	Parametric study on the effect of the ratios $[H_2O_2]/[Fe^{3+}]$ and $[H_2O_2]/[substrate]$ on the photo-Fenton degradation of cationic azo dye basic blue 41. <b>2010</b> , 45, 622-9	44

2001	Kinetics, Mechanistic, Equilibrium, and Thermodynamic Studies on the Adsorption of Acid Red Dye from Wastewater by Fe <sub>2</sub> O <sub>3</sub> Nanoadsorbents. <b>2010</b> , 45, 1092-1103	89
2000	The biosorption of Safranin onto Parthenium hysterophorus L: Equilibrium and kinetics investigation. <b>2010</b> , 22, 146-155	8
1999	Brilliant Yellow dye adsorption onto sepiolite using a full factorial design. <b>2010</b> , 50, 315-321	123
1998	Removal of rhodamine B (a basic dye) and thoron (an acidic dye) from dilute aqueous solutions and wastewater simulants by ion flotation. <b>2010</b> , 44, 1449-61	179
1997	Bioaccumulation of Cu-complex reactive dye by growing pellets of Penicillium oxalicum and its mechanism. <b>2010</b> , 44, 3565-72	20
1996	Development of granular sludge for textile wastewater treatment. <b>2010</b> , 44, 4341-50	98
1995	Mesoporous organosilica adsorbents: nanoengineered materials for removal of organic and inorganic pollutants. <b>2010</b> , 20, 4478	471
1994	Kinetics and Equilibrium Studies of Adsorption of Anionic Dyes Using Acid-Treated Palm Shell. <b>2010</b> , 49, 8106-8113	17
1993	Adsorption of cationic dye on N,O-carboxymethyl-chitosan from aqueous solutions: equilibrium, kinetics, and adsorption mechanism. <b>2010</b> , 65, 961-975	31
1992	Adsorption of Phenolic Compounds from Aqueous Solutions onto Chitosan-Coated Perlite Beads as Biosorbent. <b>2010</b> , 49, 9238-9247	50
1991	Removal of cadmium(II), lead(II), and chromium(VI) ions from aqueous solution using clay. <b>2010</b> , 92, 1435-1446	40
1990	Removal of Reactive Blue 221 by Kaolinite from Aqueous Solutions. <b>2010</b> , 49, 1534-1540	27
1989	Preparation of Dicarboxylic Acid Containing Sulfonamide Based Resin and Removal of Basic Dyes. <b>2010</b> , 45, 687-691	3
1988	Study of malachite green adsorption onto natural zeolite in a fixed-bed column. <b>2010</b> , 20, 228-233	13
1987	Highly efficient production of various organic nanotubes with different surfaces and their application to an adsorbent. <b>2010</b> , 6, 4528	30
1986	Milli-sized calcium alginate sorbent supporting the dye waste calcium fluoride hybrid for adsorption of organic contaminants. <b>2010</b> , 20, 3098	8
1985	Adsorption of Congo Red from Solution by Rice Husk in Batch Mode. <b>2010</b> ,	0
1984	Equilibrium and Kinetic Modelling of Astrazon Yellow Adsorption by Sawdust: Effect of Important Parameters. <b>2010</b> , 8,	8

1983	Organic dye removal by combined adsorptionmembrane separation process. <b>2010</b> , 20, 96-101	20
1982	Adsorption of Dye by the Natural Zeolite. <b>2010</b> ,	
1981	. <b>2010</b> ,	1
1980	Application of Aqai Stalks As Biosorbents for the Removal of the Dyes Reactive Black 5 and Reactive Orange 16 From Aqueous Solution. <b>2011</b> , 56, 1857-1868	37
1979	Adsorption of reactive blue 2 dye from aqueous solution by cocoa (Theobroma) cacao shell: An agro solid waste. <b>2011</b> ,	
1978	Sorption of Acid Blue 9 Using Hydrilla verticillata BiomassOptimization, Equilibrium, and Kinetics Studies. <b>2011</b> , 15, 57-67	11
1977	Adsorption of basic dyes by dried waste sludge: Kinetic, equilibrium and desorption studies. <b>2011</b> , 29, 10-19	14
1976	Rapid and Selective Adsorption of Rh(III) from its Solutions Using Cellulose-Based Biosorbent Containing Iminodiacetate Functionality. <b>2011</b> , 46, 2341-2347	3
1975	Remediation of Dye-Polluted Solutions by a New Tannin-Based Coagulant. <b>2011</b> , 50, 686-693	19
1974	Adsorption of Congo Red from Aqueous Solutions Using Chitosan Hydrogel Beads Formed by Various Anionic Surfactants. <b>2011</b> , 46, 986-996	10
1973	Removal of textile dyes by sorption on low-cost sorbents. A case study: sorption of reactive dyes onto Luffa cylindrica. <b>2011</b> , 25, 54-64	16
1972	Advances in Studies on the Adsorption of Dyes in Wastewater Using Mesoporous Materials. <b>2011</b> , 356-360, 349-354	1
1971	Preparation of Zn <sub>1-x</sub> MnxO nanoparticles by a simple "green" method and photocatalytic activity under visible light irradiation. <b>2011</b> , 102, 1397-1402	5
1970	Use of Raphanus sativus L. press cake, a solid residue from biodiesel processing, in the production of adsorbents by microwave activation. <b>2011</b> , 32, 1073-83	12
1969	Adsorption of a cationic dye, methylene blue, on to chitosan hydrogel beads generated by anionic surfactant gelation. <b>2011</b> , 32, 1503-14	72
1968	Anionic Dye Adsorption on Chemically Modified Ordered Mesoporous Carbons. <b>2011</b> , 50, 14070-14083	81
1967	Hydrothermal carbonization of biomass residuals: a comparative review of the chemistry, processes and applications of wet and dry pyrolysis. <b>2011</b> , 2, 71-106	1013
1966	Utilization of Rice Husks and the Products of Its Thermal Degradation as Fillers in Polymer Composites. <b>2011</b> , 345-375	6

1965	Removal of Synthetic Textile Dyes From Wastewaters: A Critical Review on Present Treatment Technologies. <b>2011</b> , 41, 807-878	399
1964	Cellulose Fibers: Bio- and Nano-Polymer Composites. <b>2011</b> ,	164
1963	Adsorption of reactive dyes from aqueous solutions by tannery sludge developed activated carbon: Kinetic and equilibrium studies. <b>2011</b> , 8, 561-570	50
1962	Fungal biosorption--an alternative to meet the challenges of heavy metal pollution in aqueous solutions. <b>2011</b> , 32, 467-91	229
1961	Equilibrium and Kinetic Studies on Reactive Dye Adsorption Using Palm Shell Powder (An Agrowaste) and Chitosan. <b>2011</b> , 56, 35-42	39
1960	A review of the use of red mud as adsorbent for the removal of toxic pollutants from water and wastewater. <b>2011</b> , 32, 231-49	176
1959	Iron-Impregnated Weakly Basic Resin for the Removal of 2-Naphthalenesulfonic Acid from Aqueous Solution. <b>2011</b> , 56, 3881-3889	13
1958	Modified Chitosan Hydrogels for the Removal of Acid Dyes at High pH: Modification and Regeneration. <b>2011</b> , 50, 6343-6346	21
1957	Enhanced Cationic Dyes Removal from Aqueous Solution by Oxalic Acid Modified Rice Husk. <b>2011</b> , 56, 1882-1891	82
1956	Orange II adsorption on palygorskites modified with alkyl trimethylammonium and dialkyl dimethylammonium bromide [An isothermal and kinetic study. <b>2011</b> , 51, 370-374	71
1955	Roles of titanium dioxide and ion-doped titanium dioxide on photocatalytic degradation of organic pollutants (phenolic compounds and dyes) in aqueous solutions: A review. <b>2011</b> , 509, 1648-1660	322
1954	Cross-linked succinyl chitosan as an adsorbent for the removal of Methylene Blue from aqueous solution. <b>2011</b> , 49, 643-51	65
1953	Adsorption mechanism-based screening of cyclodextrin polymers for adsorption and separation of pesticides from water. <b>2011</b> , 45, 3499-511	145
1952	Fast and highly efficient removal of dyes under alkaline conditions using magnetic chitosan-Fe(III) hydrogel. <b>2011</b> , 45, 5200-10	247
1951	Relationship between Thermodynamic Data and Adsorption/Desorption Performance of Acid and Basic Dyes onto Activated Carbons. <b>2011</b> , 56, 2100-2109	29
1950	Transforming nanostructured chitin from crustacean waste into beneficial health products: a must for our society. <b>2011</b> , 4, 123-9	23
1949	Application of reverse osmosis membrane system for treatment of effluent in textile knitted fabric dyeing. <b>2011</b> , 10,	3
1948	Development of the Treatment Technology for Dye Removal from Aqueous Solution Using Activated Carbon Treatment and Ozone Oxidation. <b>2011</b> , 9, 297-309	

1947	Promoted dye adsorption performance over desilicated natural zeolite. <b>2011</b> , 145, 157-164	75
1946	Removal of Chemazol Reactive Red 195 from aqueous solution by dehydrated beet pulp carbon. <b>2011</b> , 194, 303-11	39
1945	Ordered mesoporous carbon coating on cordierite: synthesis and application as an efficient adsorbent. <b>2011</b> , 198, 216-23	24
1944	Ferromagnetic Ni decorated ordered mesoporous carbons as magnetically separable adsorbents for methyl orange. <b>2011</b> , 131, 52-59	7
1943	Preparation of hydrophilic mesoporous carbon and its application in dye adsorption. <b>2011</b> , 65, 2486-2488	34
1942	Synthesis of mesoporous magnesium silicate particles and their adsorption property. <b>2011</b> , 6, 671	5
1941	Effective natural dye extraction from different plant materials using ultrasound. <b>2011</b> , 33, 116-122	128
1940	Effect of operating parameters on decolorization and COD removal of three reactive dyes by Fenton's reagent using fluidized-bed reactor. <b>2011</b> , 278, 211-218	64
1939	Assessment of the adsorption kinetics, equilibrium and thermodynamic for the potential removal of reactive red dye using eggshell biocomposite beads. <b>2011</b> , 278, 412-423	142
1938	Photodegradation of congo red using XeBr, KrCl and Cl <sub>2</sub> barrier discharge excilamps: A kinetics study. <b>2011</b> , 281, 364-371	24
1937	Adsorption of acid yellow dye on flakes of chitosan prepared from fishery wastes. <b>2011</b> , 4, 389-395	80
1936	Basic dye adsorption onto an agro-based waste material--sesame hull ( <i>Sesamum indicum</i> L.). <i>Bioresource Technology</i> , <b>2011</b> , 102, 10280-5	11 94
1935	Treatment of dye wastewater by in situ hybridization with Mg <sub>3</sub> Al layered double hydroxides and reuse of dye sludge. <b>2011</b> , 172, 872-878	28
1934	Preparation of a graphene-based magnetic nanocomposite for the removal of an organic dye from aqueous solution. <b>2011</b> , 173, 92-97	282
1933	Removal of textile dyes from aqueous solution by babassu coconut epicarp ( <i>Orbignya speciosa</i> ). <b>2011</b> , 173, 334-340	58
1932	Removal of methylene blue from aqueous solutions by straw based adsorbent in a fixed-bed column. <b>2011</b> , 173, 429-436	74
1931	NaOH-activated carbon of high surface area produced from coconut shell: Kinetics and equilibrium studies from the methylene blue adsorption. <b>2011</b> , 174, 117-125	365
1930	Development and utilization of aerobic granules for the palm oil mill (POM) wastewater treatment. <b>2011</b> , 174, 213-220	26



1929	Adsorption of Cr(VI) from aqueous solutions using chitosan-coated fly ash composite as biosorbent. <b>2011</b> , 175, 110-116	118
1928	Congo Red adsorption by ball-milled sugarcane bagasse. <b>2011</b> , 178, 122-128	153
1927	The removal of cationic dyes from aqueous solutions by adsorption onto pistachio hull waste. <b>2011</b> , 89, 2182-2189	144
1926	The bifunctionality of silica gel modified with Congo red. <b>2011</b> , 9, 41-46	2
1925	Synthesis and adsorption properties of nanosized Mg-Al layered double hydroxides with ClO <sub>4</sub> <sup>-</sup> or SO <sub>4</sub> <sup>2-</sup> as interlayer anion. <b>2011</b> , 29, 86-91	9
1924	A review on applicability of naturally available adsorbents for the removal of hazardous dyes from aqueous waste. <b>2011</b> , 183, 151-95	249
1923	Adsorption properties of Cd(II)-imprinted chitosan resin. <b>2011</b> , 46, 1535-1541	42
1922	Influence of Basic Red 1 dye adsorption on thermal stability of Na-clinoptilolite and Na-bentonite. <b>2011</b> , 103, 607-615	19
1921	Optimization of the Adsorption Conditions for the Decolorization and COD Reduction of Methylene Blue Aqueous Solution using Low-Cost Adsorbent. <b>2011</b> , 214, 185-195	27
1920	A Novel Pretreatment Method of Lignocellulosic Material as Adsorbent and Kinetic Study of Dye Waste Adsorption. <b>2011</b> , 218, 293-306	45
1919	Biochemical characterization of laccase from hairy root culture of Brassica juncea L. and role of redox mediators to enhance its potential for the decolorization of textile dyes. <b>2011</b> , 234, 1137-49	45
1918	Utilization of ball clay adsorbents for the removal of crystal violet dye from aqueous solution. <b>2011</b> , 13, 141-151	28
1917	Sustainable treatment of wastewaters resulted in the textile dyeing industry. <b>2011</b> , 13, 855-861	23
1916	Concurrent dyes adsorption and photo-degradation on fly ash based substrates. <b>2011</b> , 17, 101-108	28
1915	Cunninghamella elegans biomass optimisation for textile wastewater biosorption treatment: an analytical and ecotoxicological approach. <b>2011</b> , 90, 343-52	22
1914	Adsorptive removal of methyl orange and methylene blue from aqueous solution with a metal-organic framework material, iron terephthalate (MOF-235). <b>2011</b> , 185, 507-11	788
1913	Microwave-enhanced synthesis of magnetic porous covalent triazine-based framework composites for fast separation of organic dye from aqueous solution. <b>2011</b> , 186, 984-90	113
1912	Removal of dyes from water using chitosan hydrogel/SiO <sub>2</sub> and chitin hydrogel/SiO <sub>2</sub> hybrid materials obtained by the sol-gel method. <b>2011</b> , 186, 932-9	115

1911	Application of dithiocarbamate-modified starch for dyes removal from aqueous solutions. <b>2011</b> , 188, 254-60		38
1910	Removal of malachite green by adsorption and precipitation using aminopropyl functionalized magnesium phyllosilicate. <b>2011</b> , 192, 62-70		86
1909	Development of easy made low cost bindless monolithic electrodes from biomass with controlled properties to be used as electrochemical capacitors. <i>Bioresource Technology</i> , <b>2011</b> , 102, 2781-7	11	80
1908	Chemical modification of chitosan by tetraethylenepentamine and adsorption study for anionic dye removal. <b>2011</b> , 346, 1232-40		70
1907	Influence of the polyethyleneimine grafting on the adsorption capacity of chitosan beads for Reactive Black 5 from aqueous solutions. <b>2011</b> , 166, 168-175		54
1906	Dye adsorption on autohydrolyzed pine sawdust in batch and fixed-bed systems. <b>2011</b> , 171, 883-896		75
1905	Adsorptive removal of Methylene Blue using novel adsorbent from palm oil mill effluent waste activated sludge: Equilibrium, thermodynamics and kinetic studies. <b>2011</b> , 171, 1246-1252		88
1904	Application studies of activated carbon derived from rice husks produced by chemical-thermal process--a review. <b>2011</b> , 163, 39-52		229
1903	Immobilized laccase on a new cryogel carrier and kinetics of two anthraquinone derivatives oxidation. <b>2011</b> , 165, 1789-98		14
1902	Photocatalytic properties of K <sub>2</sub> BiO <sub>3</sub> and LiBiO <sub>3</sub> with tunnel structures. <b>2011</b> , 123, 517-524		36
1901	Detoxification of malachite green and textile industrial effluent by <i>Penicillium ochrochloron</i> . <b>2011</b> , 16, 196-204		80
1900	Alternative Low-cost Adsorbent for Water and Wastewater Decontamination Derived from Eggshell Waste: An Overview. <b>2011</b> , 2, 157-167		75
1899	Sugarcane bagasse for the removal of erythrosin B and methylene blue from aqueous waste. <b>2011</b> , 1, 135-145		38
1898	Surface characterization of dead microalgae-based biomass using methylene blue adsorption. <b>2011</b> , 43, 959-963		15
1897	The effect of platinum on the performance of WO <sub>3</sub> nanocrystal photocatalysts for the oxidation of Methyl Orange and iso-propanol. <b>2011</b> , 86, 1018-1023		44
1896	Sorptive sequestration of 2-chlorophenol by zeolitic materials derived from bagasse fly ash. <b>2011</b> , 86, 1265-1275		13
1895	Malachite Green Removal from Aqueous Solution by the Peel of <i>Cucumis sativa</i> Fruit. <b>2011</b> , 39, 162-170		24
1894	Adsorption of Cationic Dyes from Aqueous Solution by Termite Feces, a Non-Conventional Adsorbent. <b>2011</b> , 39, 549-556		11

1893	Modification of MCM-41 with Anionic Surfactant: A Convenient Design for Efficient Removal of Cationic Dyes from Wastewater. <b>2011</b> , 39, 1007-1013	10
1892	Sorptive removal of methylene blue from aqueous solutions by polymer/activated charcoal composites. <b>2011</b> , 119, 2525-2532	13
1891	The adsorption of sulphonated azo-dyes methyl orange and xylenol orange by coagulation on hollow chitosan microsphere. <b>2011</b> , 119, 2065-2071	12
1890	H <sub>2</sub> O <sub>2</sub> -induced surface modification: A facile, effective and environmentally friendly pretreatment of chitosan for dyes removal. <b>2011</b> , 166, 474-482	43
1889	Binding mechanisms and QSAR modeling of aromatic pollutant biosorption on <i>Penicillium oxalicum</i> biomass. <b>2011</b> , 166, 624-630	14
1888	Removal of dyes from wastewaters by adsorption on pillared clays. <b>2011</b> , 168, 1032-1040	229
1887	A review of emerging adsorbents for nitrate removal from water. <b>2011</b> , 168, 493-504	493
1886	Magnetic halloysite nanotubes/iron oxide composites for the adsorption of dyes. <b>2011</b> , 168, 959-963	165
1885	Comparison of the gel anion exchangers for removal of Acid Orange 7 from aqueous solution. <b>2011</b> , 170, 184-193	46
1884	Binary biosorption of Acid Red 14 and Reactive Red 15 onto acid treated okara: Simultaneous spectrophotometric determination of two dyes using partial least squares regression. <b>2011</b> , 171, 967-975	37
1883	Adsorption characteristics of the hazardous dye Brilliant Green on Saklkent mud. <b>2011</b> , 172, 199-206	121
1882	Mechanistic studies on the binding of Acid Yellow 99 on coir pith. <i>Bioresource Technology</i> , <b>2011</b> , 102, 2394-9	11 53
1881	Effect of the addition mode of carbon nanotubes for the production of chitosan hydrogel core-shell beads on adsorption of Congo red from aqueous solution. <i>Bioresource Technology</i> , <b>2011</b> , 102, 4402-9	11 58
1880	Competitive biosorption of Acid Blue 25 and Acid Red 337 onto unmodified and CDAB-modified biomass of <i>Aspergillus oryzae</i> . <i>Bioresource Technology</i> , <b>2011</b> , 102, 7429-36	11 35
1879	Adsorption of dyes and heavy metal ions by chitosan composites: A review. <b>2011</b> , 83, 1446-1456	1453
1878	Removal of anionic dye eosin Y from aqueous solution using ethylenediamine modified chitosan. <b>2011</b> , 84, 1350-1356	83
1877	Hydrogels based on a three component system with potential for leaching metals. <b>2011</b> , 85, 120-128	21
1876	Adsorption characteristics of methylene blue by peanut husk in batch and column modes. <b>2011</b> , 265, 119-125	188

1875	Fast removal of methylene blue from aqueous solution by adsorption onto chitosan-g-poly (acrylic acid)/attapulgitite composite. <b>2011</b> , 266, 33-39	215
1874	The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. <b>2011</b> , 266, 274-280	127
1873	Batch sorption studies on the removal of fluoride ions from water using eco-friendly conducting polymer/bio-polymer composites. <b>2011</b> , 267, 49-56	95
1872	A highly efficient calix[4]arene based resin for the removal of azo dyes. <b>2011</b> , 268, 83-89	72
1871	Continuous fixed bed adsorption of C.I. Acid Blue 92 by exfoliated graphite: An experimental and modeling study. <b>2011</b> , 269, 170-176	39
1870	Microwave-assisted preparation of Zn <sub>1-x</sub> Cu <sub>x</sub> S nanoparticles by a fast, green, and template-free method and photocatalytic activity. <b>2011</b> , 271, 273-278	11
1869	Isotherm and kinetic studies on the adsorption of humic acid onto chitosan-H <sub>2</sub> SO <sub>4</sub> beads. <b>2011</b> , 272, 293-300	62
1868	Kinetic and thermodynamic modeling for the removal of Direct Red-31 and Direct Orange-26 dyes from aqueous solutions by rice husk. <b>2011</b> , 272, 313-322	159
1867	Adsorptive removal of direct yellow 161 dye from aqueous solution using bamboo charcoals activated with different chemicals. <b>2011</b> , 274, 81-90	61
1866	Equilibrium and a two-stage batch adsorber design for reactive or disperse dye removal to minimize adsorbent amount. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5290-6	11 30
1865	Characterisation of lignite as an industrial adsorbent. <b>2011</b> , 90, 1567-1574	50
1864	Utilization of rarasaponin natural surfactant for organo-bentonite preparation: Application for methylene blue removal from aqueous effluent. <b>2011</b> , 142, 184-193	51
1863	Spontaneous oxidative degradation of indigo carmine by thin films of birnessite electrodeposited onto SnO <sub>2</sub> . <b>2011</b> , 107, 42-51	35
1862	Adsorption and photocatalytic degradation of methylene blue on Zn <sub>1-x</sub> Cu <sub>x</sub> S nanoparticles prepared by a simple green method. <b>2011</b> , 257, 2361-2366	16
1861	Preparation and characterization of activated carbon from a new raw lignocellulosic material: flamboyant ( <i>Delonix regia</i> ) pods. <b>2011</b> , 92, 178-84	95
1860	Heavy metal removal from industrial effluents by sorption on cross-linked starch: chemical study and impact on water toxicity. <b>2011</b> , 92, 765-72	45
1859	Application of cupuassu shell as biosorbent for the removal of textile dyes from aqueous solution. <b>2011</b> , 92, 1237-47	155
1858	Decolourization of Methyl Orange using Fenton-like mesoporous Fe(2)O(3)-SiO(2) composite. <b>2011</b> , 185, 359-65	206

1857	Application of bifunctional magnetic adsorbent to adsorb metal cations and anionic dyes in aqueous solution. <b>2011</b> , 185, 1124-30	122
1856	A comparative investigation on adsorption performances of mesoporous activated carbon prepared from waste rubber tire and activated carbon for a hazardous azo dye--Acid Blue 113. <b>2011</b> , 186, 891-901	525
1855	Silkworm exuviae--a new non-conventional and low-cost adsorbent for removal of methylene blue from aqueous solutions. <b>2011</b> , 186, 1320-7	64
1854	Mechanism of adsorption of anionic dye from aqueous solutions onto organobentonite. <b>2011</b> , 186, 1758-65	77
1853	Decolorization of adsorbed textile dyes by developed consortium of <i>Pseudomonas</i> sp. SUK1 and <i>Aspergillus ochraceus</i> NCIM-1146 under solid state fermentation. <b>2011</b> , 189, 486-94	85
1852	Isotherm, thermodynamic, kinetics and adsorption mechanism studies of methyl orange by surfactant modified silkworm exuviae. <b>2011</b> , 192, 246-54	151
1851	Removal of methylene blue from aqueous solution by graphene oxide. <b>2011</b> , 359, 24-9	522
1850	The combination and optimization study on RB29 dye removal from water by peroxy acid and single-wall carbon nanotubes. <b>2011</b> , 27, 237-242	16
1849	. <b>2011</b> ,	
1848	Removal of Xylenol Orange from Solutions by $\beta$ Cyclodextrin-Grafted Carboxymethyl Cellulose. <b>2011</b> , 204-210, 1180-1183	2
1847	Effect of Surfactant Impregnation into Chitosan Hydrogel Beads Formed by Sodium Dodecyl Sulfate Gelation for the Removal of Congo Red. <b>2011</b> , 46, 2022-2031	9
1846	Adsorption Performances of Cationic Dyes from Aqueous Solution on Pyromellitic Dianhydride Modified Sugarcane Bagasse. <b>2011</b> , 46, 452-459	16
1845	Adsorption of reactive dye from aqueous solutions by compost. <b>2011</b> , 28, 164-173	26
1844	Characterization and Utilization of Corncob Lignocellulose for Adsorptive Removal of Basic Dyes from Aqueous Solution. <b>2011</b> , 236-238, 125-129	1
1843	Adsorption of Cu(II) from Aqueous Solution by Peanut Shell. <b>2011</b> , 347-353, 1852-1855	1
1842	Removal of Reactive Blue (RB2) from Aqueous Solution by Chitosan/Diatomite Biocomposite. <b>2011</b> , 393-395, 1394-1397	
1841	Investigation of Swelling/Sorption Characteristics of Highly Swollen AAm/AMPS Hydrogels and Semi IPNs with PEG as Biopotential Sorbent. <b>2011</b> , 01, 7-22	8
1840	Adsorption of congo red using ethylenediamine modified wheat straw. <b>2011</b> , 30, 195-206	38

1839	Biosorption of Acid Dyes Using Modified Chitosan: Effect of Dye Structure, Hydrogen Bonding and PH. <b>2011</b> , 236-238, 464-469	1
1838	Sorption Behaviors of Methylene Blue onto $\beta$ -Cyclodextrin Polymer. <b>2011</b> , 255-260, 3032-3036	1
1837	Reuse of Spent Natural Zeolite for Methylene Blue Adsorption by Microwave Irradiation. <b>2011</b> , 233-235, 2019-2022	
1836	Biosorption kinetics of a direct azo dye Sirius Blue K-CFN by <i>Trametes versicolor</i> . <b>2011</b> , 14,	13
1835	Removal of Neutral Red from Aqueous Solution by Pretreated <i>Penicillium Sp.</i> <b>2011</b> , 383-390, 3969-3975	
1834	Decolourization of malachite green using tamarind seed: Optimization, isotherm and kinetic studies. <b>2011</b> , 17, 67-79	25
1833	Removal of C. I. Reactive Red 2 from aqueous solutions using Mg-Fe layered double hydroxide. <b>2011</b> ,	
1832	Removal of Reactive Red 2 and Methylene Blue from Aqueous Solutions by Adsorption Using Soybean Meal as Adsorbent. <b>2011</b> ,	
1831	Modified Calcium Alginate Beads with Sodium Dodecyl Sulfate and Clay as Adsorbent for Removal of Methylene Blue. <b>2011</b> , 32, 1377-1387	9
1830	Distribution and Elimination of $^{14}\text{C}$ -Ethion Insecticide in Chamomile Flowers and Oil. <b>2011</b> , 186, 2122-2134	21
1829	Separation Strategies for Processing of Dilute Liquid Streams. <b>2011</b> , 2011, 1-19	9
1828	Artificial Neural Network for predicting biosorption of methylene blue by <i>Spirulina sp.</i> <b>2011</b> , 63, 977-83	8
1827	A Decolorization Technique with Spent Greek Coffee Grounds as Zero-Cost Adsorbents for Industrial Textile Wastewaters. <b>2012</b> , 5, 2069-2087	37
1826	Sorption of Methylene Blue by an <i>Oscillatoria sp.</i> -Dominated Cyanobacterial Mat. <b>2012</b> , 16, 48-56	5
1825	Application of Chemically Modified and Unmodified Waste Biological Sorbents in Treatment of Wastewater. <b>2012</b> , 2012, 1-7	6
1824	The Removal of Reactive Black 5 from Aqueous Solutions by Cotton Seed Shell. <b>2012</b> , 84, 323-327	4
1823	Selection of white-rot fungi to formulate complex and coated pellets for Reactive Orange 165 decolourization. <b>2012</b> , 15,	5
1822	Chemical Exploitation of Agricultural Residues as Novel Materials for Industrial Use. <b>2012</b> , 531, 432-436	1

1821	Mineral Waste Geopolymeric Artificial Aggregates as Alternative Materials for Wastewater-Treatment Processes: Study of Structural Stability and pH Variation in Water. <b>2012</b> , 24, 623-628	14
1820	Adsorption Characteristics of Congo Red from Aqueous Solution on the Carboxymethylcellulose/Montmorillonite Nanocomposite. <b>2012</b> , 450-451, 769-772	5
1819	Adsorption behaviour of methylene blue on carbon nanoparticles. <b>2012</b> , 7, 1060-1063	8
1818	Adsorption of methylene blue from aqueous solutions onto sintering process red mud. <b>2012</b> , 47, 31-41	14
1817	Shaddock peel as a novel low-cost adsorbent for removal of methylene blue from dye wastewater. <b>2012</b> , 39, 70-75	15
1816	Adsorption of N-methylated diaminotriphenylmethane dye (malachite green) on natural rarasaponin modified kaolin. <b>2012</b> , 41, 342-355	18
1815	Dyes adsorption on low cost adsorbents: inorganic materials. <b>2012</b> , 45, 191-205	8
1814	Characterization of bio-char from pyrolysis of wheat straw and its evaluation on methylene blue adsorption. <b>2012</b> , 46, 115-123	87
1813	Biosorption of acid red from aqueous solutions onto peanut shell as a low-cost. <b>2012</b> ,	
1812	Phase-controlled synthesis of 3D flower-like Ni(OH) <sub>2</sub> architectures and their applications in water treatment. <b>2012</b> , 14, 3063	45
1811	Synthesis and characterisation of highly ordered mesoporous Fe <sub>2</sub> O <sub>3</sub> /BiO <sub>2</sub> composite and its removal properties of azo dyes from aqueous solution. <b>2012</b> , 27, 196-204	10
1810	Adsorption Properties of Dye onto Mg/Al-CO <sub>3</sub> Layered Double Hydroxide. <b>2012</b> , 455-456, 677-682	
1809	Adsorption of Methyl Orange from Solution by IOCZ in Batch Mode: Equilibrium Study. <b>2012</b> , 581-582, 33-36	1
1808	Membrane Processes for Wastewater Treatment. <b>2012</b> , 169-216	1
1807	Biosorption of Acid Red R from Aqueous Solution by Acid-Treated Penicillium sp.. <b>2012</b> , 433-440, 35-40	
1806	Technical Aspects of Adsorption Process onto an Innovative Eggshell-Derived Low-Cost Adsorbent. <b>2012</b> , 730-732, 648-652	2
1805	Adsorption of direct yellow 27 from water by poorly crystalline hydroxyapatite prepared via precipitation method. <b>2012</b> , 41, 170-178	16
1804	Efficient Adsorption and Recovery of Pb(II) from Aqueous Solution by a Granular pH-Sensitive Chitosan-based Semi-IPN Hydrogel. <b>2012</b> , 49, 971-979	20

1803	Recyclable Crosslinked O-Carboxymethyl Chitosan for Removal of Cationic Dye from Aqueous Solutions. <b>2012</b> , 03,	3
1802	Kinetic and Thermodynamic Studies on the Adsorption of Reactive Red 239 by Carra Sawdust Treated with Formaldehyde. <b>2012</b> , 30, 881-899	7
1801	Removal of indigo carmine from an aqueous solution by fungus <i>Pleurotus ostreatus</i> . <b>2012</b> , 38,	4
1800	Adsorption by Active and Inactive <i>Aspergillus Oryzae</i> : Batch Studies. <b>2012</b> , 30, 317-330	1
1799	Removal of a Basic Dye from Aqueous Solution by a Natural Kaolinitic Clay [Adsorption and Kinetic Studies. <b>2012</b> , 30, 171-182	2
1798	Enhancing Adsorption of Dyes onto Clay in Bubble Column Adsorber. <b>2012</b> , 30, 567-577	2
1797	Textile dye removal from wastewater effluents using biofloculants produced by indigenous bacterial isolates. <b>2012</b> , 17, 14260-74	117
1796	Utilising waste activated sludge from a palm oil mill effluent treatment plant to remove methylene blue in continuous column studies. <b>2012</b> , 4, 253	1
1795	Adsorption of ammonium using waste activated sludge from palm oil mill effluent treatment plant. <b>2012</b> , 12, 256	2
1794	Adsorption of azo dye onto nanodiamond surface. <b>2012</b> , 26, 1-6	27
1793	Cyclodextrins for Remediation Technologies. <b>2012</b> , 47-81	12
1792	Equilibrium, kinetic, and thermodynamic studies of Basic Blue 9 dye sorption on agro-industrial lignocellulosic materials. <b>2012</b> , 10, 1913-1926	5
1791	Energy and environmental applications of carbon nanotubes. <b>2012</b> , 10, 265-273	105
1790	Removal of oil and grease contamination from stream water using the granular activated carbon block filter. <b>2012</b> , 14, 965-971	19
1789	Remediation technologies using cyclodextrins: an overview. <b>2012</b> , 10, 225-237	95
1788	Adsorption of ponceau 4R from aqueous solutions by polyamidoamine-cyclodextrin crosslinked copolymer. <b>2012</b> , 74, 167-176	23
1787	Characterizations of the Photocatalytically-Oxidized Cross-Linked Chitosan-Glutaraldehyde and its Application as a Sub-Layer in the TiO <sub>2</sub> /CS-GLA Bilayer Photocatalyst System. <b>2012</b> , 20, 817-829	36
1786	Removal of Denim Blue From Aqueous Solutions by Inorganic Adsorbents in a Fixed-Bed Column. <b>2012</b> , 223, 5505-5513	9



1785	Removal of sulfamethoxazole from solution by raw and chemically treated walnut shells. <b>2012</b> , 19, 3096-106	30
1784	Dithiocarbamated <i>Symphoricarpos albus</i> as a potential biosorbent for a reactive dye. <b>2012</b> , 211-212, 442-452	16
1783	Removal of Cu(II), Zn(II) and Pb(II) from water using microwave-assisted synthesized maghemite nanotubes. <b>2012</b> , 211-212, 493-500	116
1782	Removal of acid orange 10 by calcined Mg/Al layered double hydroxides from water and recovery of the adsorbed dye. <b>2012</b> , 213, 392-400	139
1781	Radiation-grafted copolymers for separation and purification purposes: Status, challenges and future directions. <b>2012</b> , 37, 1597-1656	181
1780	Kinetic and equilibrium of cefradine adsorption onto peanut husk. <b>2012</b> , 37, 160-168	23
1779	SN@silicate: an anionic dye sorbent and its reuse. <b>2012</b> , 22, 5715	18
1778	Preparation, Characterization and Dye Decolorization Application of Chitosan/Polyurethane Foam Material. <b>2012</b> , 51, 754-759	14
1777	Cottonised flax fibres vs. cotton fibres: structural, textural and adsorption characteristics. <b>2012</b> , 2, 2032	22
1776	Functionalized ordered mesoporous carbon for the adsorption of reactive dyes. <b>2012</b> , 18, 337-348	33
1775	Application of Aqai Stalks as Biosorbents for the Removal of the Dye Procion Blue MX-R from Aqueous Solution. <b>2012</b> , 47, 513-526	72
1774	Organofunctionalized magnesium phyllosilicates as mono- or bifunctional entities for industrial dyes removal. <b>2012</b> , 2, 3502	32
1773	Thirty-seven years of archives of environmental protection. <b>2012</b> , 38, 3-68	1
1772	A Comparative Study on the Adsorption of Acid and Reactive Dyes on Multiwall Carbon Nanotubes in Single and Binary Dye Systems. <b>2012</b> , 57, 1563-1569	95
1771	Erratum: Progress towards a greener textile industry <b>2012</b> , 128, 261-269	1
1770	Biological decolorization of xanthene dyes by anaerobic granular biomass. <b>2012</b> , 23, 725-77	43
1769	Using Pyrolyzed Rice Husks as an Adsorbent for Purification of Water Basins Polluted with Diesel Fuel. <b>2012</b> , 223, 5087-5095	10
1768	Removal of Cationic Dye by Magnetic Nanoparticle (Fe <sub>3</sub> O <sub>4</sub> ) Impregnated onto Activated Maize Cob Powder and Kinetic Study of Dye Waste Adsorption. <b>2012</b> , 1, 83-89	57

1767	Reduced graphene oxide/titanate hybrids: Morphologic evolution by alkali-solvothermal treatment and applications in water purification. <b>2012</b> , 258, 4551-4557	50
1766	Biocomposite fiber of calcium alginate/multi-walled carbon nanotubes with enhanced adsorption properties for ionic dyes. <b>2012</b> , 90, 399-406	101
1765	Trends in electro-Fenton process for water and wastewater treatment: An overview. <b>2012</b> , 299, 1-15	626
1764	Adsorption of dyes from aqueous solutions by microwave modified bamboo charcoal. <b>2012</b> , 195-196, 339-346	110
1763	Synergistic and competitive adsorption of organic dyes on multiwalled carbon nanotubes. <b>2012</b> , 197, 34-40	161
1762	Comparative adsorption of Ni(II) and Cd(II) ions on epichlorohydrin crosslinked chitosan/clay composite beads in aqueous solution. <b>2012</b> , 197, 379-386	159
1761	A novel bentonite-based adsorbent for anionic pollutant removal from water. <b>2012</b> , 200-202, 97-103	54
1760	Anionic dye removal from aqueous solutions using modified zeolite: Adsorption kinetics and isotherm studies. <b>2012</b> , 200-202, 59-67	264
1759	Adsorption of an industrial anionic dye by modified-KSF-montmorillonite: Evaluation of the kinetic, thermodynamic and equilibrium data. <b>2012</b> , 203, 259-268	88
1758	Modelling the effect of pre-swelling on adsorption dynamics of dyes by chitosan derivatives. <b>2012</b> , 81, 220-230	33
1757	Isotherm and Kinetics Study of Biosorption of Cationic Dye onto Banana Peel. <b>2012</b> , 19, 286-295	86
1756	Effectiveness of photochemical and sonochemical processes in degradation of Basic Violet 16 (BV16) dye from aqueous solutions. <b>2012</b> , 9, 14	21
1755	Non-isothermal kinetics of thermal degradation of chitosan. <b>2012</b> , 6, 81	92
1754	Metal organic frameworks as adsorbents for dye adsorption: overview, prospects and future challenges. <b>2012</b> , 94, 1846-1863	163
1753	Application of tomato peel as an efficient adsorbent for water purification—alternative biotechnology?. <b>2012</b> , 2, 9914	45
1752	Potential of Canola Stalk as Biosorbent for the Removal of Remazol Black B Reactive Dye from Aqueous Solutions. <b>2012</b> , 32, 328-341	10
1751	Removal of Dyes and Pigments from Industrial Effluents. <b>2012</b> , 65-93	8
1750	Removal of Emerging Contaminants from Water and Wastewater by Adsorption Process. <b>2012</b> , 15-37	103

1749	Enhanced adsorptive removal of methyl orange and methylene blue from aqueous solution by alkali-activated multiwalled carbon nanotubes. <b>2012</b> , 4, 5749-60	526
1748	Status of adsorptive removal of dye from textile industry effluent. <b>2012</b> , 50, 226-244	43
1747	On the use of a natural peat for the removal of Cr(VI) from aqueous solutions. <b>2012</b> , 386, 325-32	16
1746	Cationic dye (MB) removal using polymer inclusion membrane (PIMs). <b>2012</b> , 33, 38-46	24
1745	Removal of a Basic Textile Dye from Aqueous Solution by Adsorption on Regenerated Clay. <b>2012</b> , 33, 303-312	19
1744	Low-Cost Carbon Nanospheres for Efficient Removal of Organic Dyes from Aqueous Solutions. <b>2012</b> , 51, 13438-13444	32
1743	A Novel Polymeric Adsorbent for Water and Dye Uptake: Acrylamide/Sodium Acrylate Copolymers and Semi-Interpenetrating Polymer Networks Composed of Gelatin and/or PVA. <b>2012</b> , 51, 1513-1523	17
1742	Actuator-Like Hydrogels Based on Conductive Chitosan. <b>2012</b> , 84, 29-38	1
1741	An improved method for removal of azo dye orange II from textile effluent using albumin as sorbent. <b>2012</b> , 17, 14219-29	13
1740	Removal of remazol yellow from aqueous solution using Fe-Cu and Fe-Ni nanoscale oxides and their carbonaceous composites. <b>2012</b> , 33, 545-54	7
1739	Biosilica structures obtained from Nitzschia, Ditylum, Skeletonema, and Coscinodiscus diatom by a filtration-aided acid cleaning method. <b>2012</b> , 95, 1165-78	19
1738	Textural Characteristics of Coconut Shell-Based Activated Carbons with Steam Activation. <b>2012</b> , 608-609, 366-373	4
1737	Carboxymethyl Tamarind-g-poly(acrylamide)/Silica: A High Performance Hybrid Nanocomposite for Adsorption of Methylene Blue Dye. <b>2012</b> , 51, 15546-15556	109
1736	Environmental Chemistry for a Sustainable World. <b>2012</b> ,	8
1735	Adsorptive features of banana (Musa paradisiaca) stalk-based activated carbon for malachite green dye removal. <b>2012</b> , 28, 153-167	55
1734	Study of congo red adsorption onto chitosan coated magnetic iron oxide in batch mode. <b>2012</b> , 37, 46-54	31
1733	Magnetic removal of crystal violet from aqueous solutions using polysaccharide-based magnetic nanocomposite hydrogels. <b>2012</b> , 62, n/a-n/a	13
1732	The importance of being porous: polysaccharide-derived mesoporous materials for use in dye adsorption. <b>2012</b> , 2, 8992	120

1731	Equilibrium and Kinetics Study of Adsorption of Crystal Violet onto the Peel of Cucumis sativa Fruit from Aqueous Solution. <b>2012</b> , 9, 1091-1101	12
1730	CELLULOSIC SUBSTRATES FOR REMOVAL OF POLLUTANTS FROM AQUEOUS SYSTEMS: A REVIEW. 2. DYES. <b>2012</b> , 7,	38
1729	Obtaining Some Polymer Composites Filled with Rice Husks Ash-A Review. <b>2012</b> , 4,	28
1728	Utilization from Cement Kiln Dust in Removal of Acid Dyes. <b>2012</b> , 8, 16-24	7
1727	Industrial Cellulignin Wastes as Adsorbent for Removal of Methylene Blue Dye from Aqueous Solutions. <b>2012</b> , 8,	7
1726	Decolourization of textile dye effluent by non-viable biomass of <i>Aspergillus fumigatus</i> . <b>2012</b> , 55, 471-476	13
1725	Preparation of high-substituted cationic starch in presence of organic bases. <b>2012</b> , 64, 696-703	8
1724	Aerobic biodegradation of a mixture of sulfonated azo dyes by a bacterial consortium immobilized in a two-stage sparged packed-bed biofilm reactor. <b>2012</b> , 12, 39-48	12
1723	Trace Determination of Rhodamine B and Rhodamine 6G Dyes in Aqueous Samples by Solid-phase Extraction and High-performance Liquid Chromatography Coupled with Fluorescence Detection. <b>2012</b> , 59, 515-519	32
1722	Application of response surface analysis for biodegradation of azo reactive textile dye using <i>Aspergillus foetidus</i> . <b>2012</b> , 52, 314-23	8
1721	Preparation of some chitosan heavy metal complexes and study of its properties. <b>2012</b> , 54, 113-124	36
1720	Biosorption of Reactive Red 198 from an aqueous solution using <i>Acalypha indica</i> . <b>2012</b> , 7, 761-768	
1719	Adsorption behavior of As(III) onto chitosan resin with As(III) as template ions. <b>2012</b> , 125, 246-253	24
1718	Preparation and characterization of chitosan zeolite composites. <b>2012</b> , 125, 2417-2425	31
1717	Behavior of semi IPN hydrogels composed of PEG and AAm/SMA copolymers in swelling and uptake of Janus Green B from aqueous solutions. <b>2012</b> , 125, 3318-3328	1
1716	Removal of reactive blue 19 and reactive blue 49 textile dyes by citrus waste biomass from aqueous solution: Equilibrium and kinetic study. <b>2012</b> , 90, 412-419	47
1715	Adsorption of Basic Dyes from Aqueous Solutions by Depolymerization Products of Post-Consumer PET Bottles. <b>2012</b> , 40, 325-333	23
1714	Carbon Nanotubes Applications: Solar and Fuel Cells, Hydrogen Storage, Lithium Batteries, Supercapacitors, Nanocomposites, Gas, Pathogens, Dyes, Heavy Metals and Pesticides. <b>2012</b> , 3-46	9

1713	Sorptive removal of ibuprofen from water using selected soil minerals and activated carbon. <b>2012</b> , 9, 85-94	62
1712	A novel $\beta$ -cyclodextrin polymer modified by sulfonate groups. <b>2012</b> , 73, 93-98	10
1711	FePt nanoparticles as heterogeneous Fenton-like catalysts for hydrogen peroxide decomposition and the decolorization of methylene blue. <b>2012</b> , 14, 1	37
1710	Adsorption of 2,4,6-Trichlorophenol and ortho-Nitrophenol from Aqueous Media Using Surfactant-Modified Clinoptilolite/Biopolypropylene Hollow Fibre Composites. <b>2012</b> , 223, 1555-1569	12
1709	Biosorption of Reactive Dyes: A Review. <b>2012</b> , 223, 2417-2435	52
1708	A Rapid Two-Step Bioremediation of the Anthraquinone Dye, Reactive Blue 4 by a Marine-Derived Fungus. <b>2012</b> , 223, 3499-3509	38
1707	Zeolitic bagasse fly ash as a low-cost sorbent for the sequestration of p-nitrophenol: equilibrium, kinetics, and column studies. <b>2012</b> , 19, 1171-86	14
1706	The use of date palm as a potential adsorbent for wastewater treatment: a review. <b>2012</b> , 19, 1464-84	150
1705	Heterogeneous photocatalytic degradation of methyl orange in schwertmannite/oxalate suspension under UV irradiation. <b>2012</b> , 19, 2313-20	28
1704	Removal of methylene blue from aqueous solution by a carbon-microsilica composite adsorbent. <b>2012</b> , 29, 775-780	4
1703	Functionalized fibrous materials for the removal of dyes. <b>2012</b> , 14, 487-494	13
1702	Investigation into photocatalytic decolorisation of CI Reactive Black 5 using titanium dioxide nanopowder. <b>2012</b> , 128, 44-50	42
1701	Progress towards a greener textile industry. <b>2012</b> , 128, 1-8	28
1700	New hydrogels based on symmetrical aromatic anhydrides: Synthesis, characterization and metal ion adsorption evaluation. <b>2012</b> , 87, 881-893	34
1699	Characterization of magnetic guar gum-grafted carbon nanotubes and the adsorption of the dyes. <b>2012</b> , 87, 1919-1924	78
1698	Facile synthesis of three-dimensional chitosan/graphene mesostructures for reactive black 5 removal. <b>2012</b> , 88, 61-67	87
1697	TiO <sub>2</sub> -activated carbon photocatalysts: Preparation, characterization and photocatalytic activities. <b>2012</b> , 180, 354-363	115
1696	Kinetic and thermodynamic studies on the adsorption of xylenol orange onto MIL-101(Cr). <b>2012</b> , 183, 60-67	173

1695	Macauba palm ( <i>Acrocomia aculeata</i> ) cake from biodiesel processing: An efficient and low cost substrate for the adsorption of dyes. <b>2012</b> , 183, 152-161	65	
1694	Decolorization of textile industry effluent containing disperse dye Scarlet RR by a newly developed bacterial-yeast consortium BL-GG. <b>2012</b> , 184, 33-41	85	
1693	Mesoporous Cu <sub>2</sub> O submicro-spheres, facile synthesis and the selective adsorption properties. <b>2012</b> , 185-186, 151-159	43	
1692	Removal of dyes from aqueous solutions with untreated coffee residues as potential low-cost adsorbents: Equilibrium, reuse and thermodynamic approach. <b>2012</b> , 189-190, 148-159	172	
1691	Adsorption of acid orange II dye by raw and chemically modified brown macroalga <i>Stoechospermum marginatum</i> . <b>2012</b> , 192, 67-76	156	
1690	Biosorption of methylene blue from aqueous solution by nonviable <i>Aspergillus fumigatus</i> . <b>2012</b> , 195-196, 69-76	49	
1689	The study of the potential capability of sugar beet pulp on the removal efficiency of two cationic dyes. <b>2012</b> , 90, 704-712	79	
1688	Simultaneous determination of five commercial cationic dyes in stream waters using diatomite solid-phase extractant and multivariate calibration. <b>2012</b> , 5, 219-224	31	
1687	Enhanced adsorption of dye on magnetic Fe <sub>3</sub> O <sub>4</sub> via HCl-assisted sonication pretreatment. <b>2012</b> , 284, 122-127	19	
1686	Application of zeolite- <i>Arthrobacter viscosus</i> system for the removal of heavy metal and dye: Chromium and Azure B. <b>2012</b> , 284, 150-156	56	
1685	Kinetics and thermodynamics of methylene blue adsorption by cobalt-hectorite composite. <b>2012</b> , 93, 1441-1446	92	
1684	Application of succinylated sugarcane bagasse as adsorbent to remove methylene blue and gentian violet from aqueous solutions [Kinetic and equilibrium studies. <b>2012</b> , 92, 967-974	125	
1683	Removal of acid dyes from aqueous media by adsorption onto amino-functionalized nanoporous silica SBA-3. <b>2012</b> , 94, 1-9	168	
1682	Preparation of peanut hull-based activated carbon by microwave-induced phosphoric acid activation and its application in Remazol Brilliant Blue R adsorption. <b>2012</b> , 37, 178-185	128	
1681	Mechanism of interaction of hydrocalumites (Ca/Al-LDH) with methyl orange and acidic scarlet GR. <b>2012</b> , 365, 110-6	49	
1680	Mechanistic aspects of nitrogen-heterocyclic compound adsorption on bamboo charcoal. <b>2012</b> , 382, 74-81	35	
1679	Novel magnetic chitosan/poly(vinyl alcohol) hydrogel beads: preparation, characterization and application for adsorption of dye from aqueous solution. <i>Bioresource Technology</i> , <b>2012</b> , 105, 24-30	11	192
1678	A feasible method for growing fungal pellets in a column reactor inoculated with mycelium fragments and their application for dye bioaccumulation from aqueous solution. <i>Bioresource Technology</i> , <b>2012</b> , 105, 100-5	11	26

1677	Preparation of novel magnetic chitosan/graphene oxide composite as effective adsorbents toward methylene blue. <i>Bioresource Technology</i> , <b>2012</b> , 114, 703-6	11	233
1676	Preparation of single-crystalline nickel nanoflowers and their potential application in sewage treatment. <b>2012</b> , 66, 267-269		9
1675	Cadmium hydroxide nanowire loaded on activated carbon as efficient adsorbent for removal of Bromocresol Green. <b>2012</b> , 86, 62-8		75
1674	Hexagonal tungsten trioxide nanorods as a rapid adsorbent for methylene blue. <b>2012</b> , 91, 103-107		25
1673	Comparison of BEA, USY and ZSM-5 for the quantitative extraction of polycyclic aromatic hydrocarbons from water samples. <b>2012</b> , 149, 186-192		18
1672	Low-temperature synthesis of CdS/TiO <sub>2</sub> composite photocatalysts: Influence of synthetic procedure on photocatalytic activity under visible light. <b>2012</b> , 356, 53-60		102
1671	Comparison of the efficiency of palladium and silver nanoparticles loaded on activated carbon and zinc oxide nanorods loaded on activated carbon as new adsorbents for removal of Congo red from aqueous solution: Kinetic and isotherm study. <b>2012</b> , 32, 725-734		140
1670	Comparison of silver and palladium nanoparticles loaded on activated carbon for efficient removal of Methylene blue: Kinetic and isotherm study of removal process. <b>2012</b> , 228, 18-25		188
1669	Comparison of specific adsorption capacity of different forms of fungal pellets for removal of Acid Brilliant Red B from aqueous solution and mechanisms exploration. <b>2012</b> , 47, 1197-1201		11
1668	Application of activated carbon derived from 'waste' bamboo culms for the adsorption of azo disperse dye: kinetic, equilibrium and thermodynamic studies. <b>2012</b> , 102, 79-87		124
1667	Glow discharge plasma in water: a green approach to enhancing ability of chitosan for dye removal. <b>2012</b> , 201-202, 162-9		52
1666	The use of an agricultural waste material, Jujuba seeds for the removal of anionic dye (Congo red) from aqueous medium. <b>2012</b> , 203-204, 118-27		189
1665	A green strategy for desorption of trihalomethanes adsorbed by humin and reuse of the fixed bed column. <b>2012</b> , 209-210, 9-17		7
1664	Fabrication of novel magnetic chitosan grafted with graphene oxide to enhance adsorption properties for methyl blue. <b>2012</b> , 215-216, 272-9		460
1663	Optimization of photocatalytic degradation of methyl blue using silver ion doped titanium dioxide by combination of experimental design and response surface approach. <b>2012</b> , 215-216, 302-10		95
1662	Metal biosorption onto dry biomass of <i>Arthrospira (Spirulina) platensis</i> and <i>Chlorella vulgaris</i> : multi-metal systems. <b>2012</b> , 217-218, 246-55		52
1661	Adsorptive removal of methylene blue by agar: effects of NaCl and ethanol. <b>2012</b> , 6, 14		54
1660	The Seashell Wastes as Biosorbent for Reactive Dye Removal from Textile Effluents. <b>2012</b> , 40, 198-205		24

1659	Cleaning secondary effluents with organoclays and activated carbon. <b>2012</b> , 87, 51-57	8
1658	Adsorption of reactive dyes from aqueous solutions by layered double hydroxides. <b>2012</b> , 87, 575-582	33
1657	Equilibrium swelling studies and dye sorption characterization of AAm/SA hydrogels cross-linked by PEGDMA and semi-IPNs with PEG. <b>2012</b> , 31, 141-153	6
1656	Application of nickel (II) complex of dithiocarbamate-modified starch for anionic dyes removal from aqueous solutions. <b>2012</b> , 123, 2439-2444	12
1655	Adsorptive Removal of Methylene Blue by Low-Cost Citrus sinensis Bagasse: Equilibrium, Kinetic and Thermodynamic Characterization. <b>2012</b> , 37, 9-18	33
1654	Fe <sub>3</sub> O <sub>4</sub> Nanostructures and C/Fe <sub>3</sub> O <sub>4</sub> Composites as Adsorbents for the Removal of a Textile Dye from Aqueous Solution. <b>2012</b> , 223, 1331-1341	10
1653	Biosorption and bioaccumulation studies of acid Orange 7 dye by Ceratophyllum demersum. <b>2013</b> , 32, 285-293	10
1652	Synthesis and characterization of zinc sulfide nanoparticles loaded on activated carbon for the removal of methylene blue. <b>2013</b> , 32, 535-542	28
1651	High capacity adsorption of malachite green in a mesoporous tyre-derived activated carbon. <b>2013</b> , 8, 172-177	17
1650	Comparative study on adsorption of two cationic dyes by milled sugarcane bagasse. <b>2013</b> , 42, 41-49	129
1649	Removal of Remazol Blue 19 from wastewater by zinc-aluminium-hydroxide-layered double hydroxides. <b>2013</b> , 3, 431-438	10
1648	Removal of reactive dyes using organofunctionalized mesoporous silicas. <b>2013</b> , 20, 1179-1188	10
1647	Synthesis of an ordered mesoporous carbon with graphitic characteristics and its application for dye adsorption. <b>2013</b> , 20, 1153-1161	15
1646	Development of monolithic porous composites using carbonized coals as block porous supports, and poly(furfuryl alcohol) and chitosan as fillers. <b>2013</b> , 20, 1095-1102	1
1645	A MOF/graphite oxide hybrid (MOF: HKUST-1) material for the adsorption of methylene blue from aqueous solution. <b>2013</b> , 1, 10292	213
1644	Nanoparticles as a Smart Technology for Remediation. <b>2013</b> , 297-348	1
1643	Response surface optimization of a dynamic dye adsorption process: a case study of crystal violet adsorption onto NaOH-modified rice husk. <b>2013</b> , 20, 1698-705	62
1642	Preparation of graphene adsorbents and their applications in water purification. <b>2013</b> , 33, 139-160	52



1641	Food Safety Applications of Nanoparticles. <b>2013</b> , 115-125	3
1640	Removal of remazol yellow from aqueous solutions by unmodified and stabilized iron modified clay. <b>2013</b> , 80-81, 219-225	13
1639	Synthesis of kappa-carrageenan-g-poly(acrylamide)/sepiolite nanocomposite hydrogels and adsorption of cationic dye. <b>2013</b> , 70, 2451-2470	66
1638	Efficient Removal of Acidic Dye Using Low-Cost Biocomposite Beads. <b>2013</b> , 52, 10569-10581	45
1637	Removal of Crystal Violet from Aqueous Solution by Adsorption onto Eggshells: Equilibrium, Kinetics, Thermodynamics and Artificial Neural Network Modeling. <b>2013</b> , 4, 655-664	24
1636	PMDA-modified biosorbents for enhancement adsorption of basic magenta. <b>2013</b> , 70, 635-642	4
1635	Chitosan-modified palygorskite: Preparation, characterization and reactive dye removal. <b>2013</b> , 74, 81-86	49
1634	Xenobiotics removal by adsorption in the context of tertiary treatment: a mini review. <b>2013</b> , 20, 5085-95	21
1633	Nanocomposite hydrogel from grafting of acrylamide onto HPMC using sodium montmorillonite nanoclay and removal of crystal violet dye. <b>2013</b> , 20, 2591-2604	28
1632	State of the art for the biosorption process--a review. <b>2013</b> , 170, 1389-416	296
1631	Sequestration of dye from textile industry wastewater using agricultural waste products as adsorbents. <b>2013</b> , 1, 629-641	120
1630	Effect of hydrolysis degree of hydrolyzed polyacrylamide grafted carboxymethyl cellulose on dye removal efficiency. <b>2013</b> , 20, 2605-2614	66
1629	Adsorption kinetics of some textile dyes onto granular activated carbon. <b>2013</b> , 1, 496-503	64
1628	Effect of solution temperature, pH and ionic strength on dye adsorption onto Magellanic peat. <b>2013</b> , 34, 967-77	18
1627	Biosorption of heavy metals by Streptomyces species [an overview. <b>2013</b> , 11, 1412-1422	12
1626	Entrapped Peat in Alginate Beads as Green Adsorbent for the Elimination of Dye Compounds from Vinasses. <b>2013</b> , 224, 1	21
1625	Application of zeolite-activated carbon macrocomposite for the adsorption of Acid Orange 7: isotherm, kinetic and thermodynamic studies. <b>2013</b> , 20, 7243-55	49
1624	Adsorption behavior of light green anionic dye using cationic surfactant-modified wheat straw in batch and column mode. <b>2013</b> , 20, 5558-68	48

1623	Biosorption of acidic textile dyestuffs from aqueous solution by <i>Paecilomyces</i> sp. isolated from acidic mine drainage. <b>2013</b> , 20, 4540-50	11
1622	Investigating the potential of functionalized MCM-41 on adsorption of Remazol Red dye. <b>2013</b> , 20, 5028-35	41
1621	Low-cost adsorbents from bio-waste for the removal of dyes from aqueous solution. <b>2013</b> , 20, 4111-24	60
1620	Coal fly ash as adsorptive material for treatment of a real textile effluent: operating parameters and treatment efficiency. <b>2013</b> , 20, 2226-35	31
1619	Kinetics of Remazol Black B adsorption onto carbon prepared from sugar beet pulp. <b>2013</b> , 20, 2472-83	16
1618	Sequential study on reactive blue 29 dye removal from aqueous solution by peroxy acid and single wall carbon nanotubes: experiment and theory. <b>2013</b> , 10, 5	8
1617	Adsorption of Direct Blend Yellow D-3RNL onto bamboo-base activated carbon: optimization, kinetics, and isotherm. <b>2013</b> , 51, 5792-5804	3
1616	Treatment of textile effluents by the heterogeneous Fenton process in a continuous packed-bed reactor using Fe/activated carbon as catalyst. <b>2013</b> , 232, 34-41	77
1615	Adsorption of Lignosulfonate Compound from Aqueous Solution onto Chitosan-Silica Beads. <b>2013</b> , 48, 1391-1401	14
1614	Fast synthesis and size control of gibbsite nanoplatelets, their pseudomorphic dehydroxylation, and efficient dye adsorption. <b>2013</b> , 5, 9648-55	29
1613	Adsorption of heavy metal ions, dyes and proteins by chitosan composites and derivatives [A review]. <b>2013</b> , 12, 500-508	72
1612	Catalytic treatment of synthetic dye wastewater: COD and color reduction. <b>2013</b> , 1, 440-447	6
1611	Preparation of $\text{Cu}_2(\text{OH})_3\text{NO}_3/\text{ZnO}$ , a novel catalyst for methyl orange oxidation under ambient conditions. <b>2013</b> , 130-131, 84-92	39
1610	Dephenolization of stored olive-mill wastewater, using four different adsorbing matrices to attain a low-cost feedstock for hydrogen photo-production. <i>Bioresource Technology</i> , <b>2013</b> , 138, 172-9	11 36
1609	Role of microporosity and surface functionality of activated carbon in methylene blue dye removal from water. <b>2013</b> , 30, 2228-2234	12
1608	Design of industrial wastewater treatment plants: a multi-faceted problem. <b>2013</b> , 2, 455-460	
1607	Strong aggregation adsorption of methylene blue from water using amorphous $\text{WO}_3$ nanosheets. <b>2013</b> , 287, 270-275	31
1606	New Chemical Organic Anhydride Immobilization Process Used on Banana Pseudostems: A Biopolymer for Cation Removal. <b>2013</b> , 52, 11007-11015	10

1605	A facile synthesis of nanostructured magnesium oxide particles for enhanced adsorption performance in reactive blue 19 removal. <b>2013</b> , 398, 210-6	69
1604	The Change from Past to Future for Adsorbent Materials in Treatment of Dyeing Wastewaters. <b>2013</b> , 6, 5131-5158	127
1603	Hydrotalcites as Catalysts and Catalysts Precursors for the Synthesis of Biodiesel. <b>2013</b> , 571, 1-26	5
1602	Adsorptive removal of rhodamine B from textile wastewater using water chestnut ( <i>Trapa natans</i> L.) peel: adsorption dynamics and kinetic studies. <b>2013</b> , 95, 919-931	82
1601	Modeling and optimization of dye removal using green clay supported iron nano-particles. <b>2013</b> , 61, 366-370	48
1600	Chitosan-grafted nonwoven geotextile for heavy metals sorption in sediments. <b>2013</b> , 73, 53-59	36
1599	Organic xenobiotics removal in constructed wetlands, with emphasis on the importance of the support matrix. <b>2013</b> , 252-253, 272-92	131
1598	Photocatalytic degradation of dyes by CdS microspheres under near UV and blue LED radiation. <b>2013</b> , 120, 206-214	60
1597	Application of magnetic chitosan composites for the removal of toxic metal and dyes from aqueous solutions. <b>2013</b> , 201-202, 68-93	448
1596	Thermally reduced graphene: synthesis, characterization and dye removal applications. <b>2013</b> , 3, 24455	27
1595	Adsorption kinetics and mechanism of acid dye onto montmorillonite from aqueous solutions: Stopped-flow measurements. <b>2013</b> , 83-84, 56-62	23
1594	Enzymatic degradation and bioactivity evaluation of C-6 oxidized chitosan. <b>2013</b> , 60, 383-92	24
1593	Halloysite nanotubule clay for efficient water purification. <b>2013</b> , 406, 121-9	166
1592	Synthesis of activated carbon from lignocellulosic biomass and its applications in air pollution control: review. <b>2013</b> , 1, 658-666	222
1591	Environmental Applications of Hydrothermal Carbonization Technology: Biochar Production, Carbon Sequestration, and Waste Conversion. <b>2013</b> , 295-340	9
1590	Activated carbon from tapioca leaves for treating dye waste water. <b>2013</b> , 5, 131-137	5
1589	Adsorptive Removal of Methyl Orange and Methylene Blue from Aqueous Solution with Finger-Citron-Residue-Based Activated Carbon. <b>2013</b> , 52, 14297-14303	202
1588	Biodegradable hollow zein nanoparticles for removal of reactive dyes from wastewater. <b>2013</b> , 125, 33-40	55

1587	Adsorption of Victoria blue by carbon/Ba/alginate beads: kinetics, thermodynamics and isotherm studies. <b>2013</b> , 98, 505-13	53
1586	Adsorption of Eriochrome Black T (EBT) dye using activated carbon prepared from waste rice hulls Optimization, isotherm and kinetic studies. <b>2013</b> , 44, 646-653	180
1585	Natural Portuguese clayey materials and derived TiO <sub>2</sub> -containing composites used for decolouring methylene blue (MB) and orange II (OII) solutions. <b>2013</b> , 83-84, 91-98	27
1584	A facial method to synthesize Ni(OH) <sub>2</sub> nanosheets for improving the adsorption properties of Congo red in aqueous solution. <b>2013</b> , 235, 121-125	21
1583	Silica-based hybrid microspheres: synthesis, characterization and wastewater treatment. <b>2013</b> , 3, 25620	6
1582	Superparamagnetic Core-Shell Polymeric Nanocomposites for Efficient Removal of Methylene Blue from Aqueous Solutions. <b>2013</b> , 31, 397-419	16
1581	Adsorption performance of activated carbon prepared from elephant ( <i>Elephas maximus</i> ) dung for the removal of Reactive Yellow 15 from aqueous solution. <b>2013</b> , 51, 7639-7654	6
1580	Ultrasound-assisted Acid red dye removal using leather fibre wastes as matrix: Intra wastes interaction Approach. <b>2013</b> , 70, 536-548	1
1579	Adsorption of Orange II dye from aqueous solutions using phosphoric-acid modified clam shell powder. <b>2013</b> , 51, 6536-6544	13
1578	Versatile supramolecular pH-tolerant hydrogels which demonstrate pH-dependent selective adsorption of dyes from aqueous solution. <b>2013</b> , 49, 11164-6	120
1577	Enhanced photocatalytic degradation of methylene blue under vacuum ultraviolet irradiation. <b>2013</b> , 201, 189-194	52
1576	Coalesced chitosan activated carbon composite for batch and fixed-bed adsorption of cationic and anionic dyes. <b>2013</b> , 105, 199-206	107
1575	Graphene oxide/chitosan composite hydrogels as broad-spectrum adsorbents for water purification. <b>2013</b> , 1, 1992-2001	497
1574	Graphite oxide/chitosan composite for reactive dye removal. <b>2013</b> , 217, 256-265	191
1573	Preparation of biosilica structures from frustules of diatoms and their applications: current state and perspectives. <b>2013</b> , 97, 453-60	86
1572	Adsorptive removal of hazardous materials using metal-organic frameworks (MOFs): a review. <b>2013</b> , 244-245, 444-56	938
1571	Removal of Tannery Dye from Aqueous Solution Using Papaya Seed as an Efficient Natural Biosorbent. <b>2013</b> , 224, 1	41
1570	New solvents and functional materials prepared from cellulose solutions in alkali/urea aqueous system. <b>2013</b> , 52, 387-400	96

1569	Recent progress on study of hybrid hydrogels for water treatment. <b>2013</b> , 416, 86-94	151
1568	Functional nanoporous carbons from hydrothermally treated biomass for environmental purification. <b>2013</b> , 168, 92-101	100
1567	Polyphenol-SiO <sub>2</sub> hybrid biosorbent for heavy metal removal. Yerba mate waste ( <i>Ilex paraguariensis</i> ) as polyphenol source: kinetics and isotherm studies. <b>2013</b> , 102, 218-26	30
1566	Environmental applications of water-insoluble $\beta$ -cyclodextrin-epichlorohydrin polymers. <b>2013</b> , 38, 344-368	306
1565	Artificial neural network (ANN) modeling of adsorption of methylene blue by NaOH-modified rice husk in a fixed-bed column system. <b>2013</b> , 20, 1050-8	67
1564	Use of carbonised beet pulp carbon for removal of Remazol Turquoise Blue-G 133 from aqueous solution. <b>2013</b> , 20, 431-42	8
1563	Functionalization of graphite oxide with magnetic chitosan for the preparation of a nanocomposite dye adsorbent. <b>2013</b> , 29, 1657-68	280
1562	Hydroxyethyl Starch-g-Poly-(N,N-dimethylacrylamide-co-acrylic acid): An efficient dye removing agent. <b>2013</b> , 49, 4265-4275	42
1561	Effect of heating processes on <i>Salvadora persica</i> (Miswak) and its application for removal and determination of aniline blue from wastewaterPeer review under responsibility of Taibah University.View all notes. <b>2013</b> , 7, 26-34	17
1560	Preparation of chitosan-ethyl acrylate as a biopolymer adsorbent for basic dyes removal from colored solutions. <b>2013</b> , 1, 406-415	54
1559	Oxidative degradation of RB19 dye by a novel $\text{MnO}_2/\text{MWCNT}$ nanocomposite catalyst with $\text{H}_2\text{O}_2$ . <b>2013</b> , 1, 858-864	43
1558	Removal of $\text{Cd}^{2+}$ from water by Friedel's salt (FS: $3\text{CaO} \times \text{Al}_2\text{O}_3 \times \text{CaCl}_2 \times 10\text{H}_2\text{O}$ ): sorption characteristics and mechanisms. <b>2013</b> , 25, 1719-25	10
1557	Preparation of bio-charcoal from sewage sludge and its performance on removal of Cr (VI) from aqueous solutions. <b>2013</b> , 183, 26-30	23
1556	Removal of anionic dyes from aqueous solutions by an ion-exchanger based on pullulan microspheres. <b>2013</b> , 91, 74-84	100
1555	Decolorisation of piggery wastewater to stimulate the production of <i>Arthrospira platensis</i> . <i>Bioresource Technology</i> , <b>2013</b> , 148, 366-72	11 26
1554	A binary and ternary adsorption study of wastewater Cd(II), Ni(II) and Co(II) by $\text{Fe}_2\text{O}_3$ nanotubes. <b>2013</b> , 115, 172-179	67
1553	How the interactions with humic acids affect the mobility of ionic dyes in hydrogels [Results from diffusion cells. <b>2013</b> , 73, 1500-1509	12
1552	Physicochemical and adsorptive properties of a heat-treated and acid-leached Algerian halloysite. <b>2013</b> , 421, 26-33	47

1551	Decarboxylated polyethylenimine-modified bacterial biosorbent for Ru biosorption from Ru-bearing acetic acid wastewater. <b>2013</b> , 230, 303-307	18
1550	Synthesis of Ce <sup>3+</sup> doped ZnFe <sub>2</sub> O <sub>4</sub> self-assembled clusters and adsorption of chromium(VI). <b>2013</b> , 250-251, 229-37	34
1549	Degradation of Congo red pollutants using microwave derived SrFe <sub>12</sub> O <sub>19</sub> : An efficient magnetic photocatalyst under visible light. <b>2013</b> , 564, 78-83	56
1548	Degradation of dyes from aqueous solution by Fenton processes: a review. <b>2013</b> , 20, 2099-132	433
1547	Influence of humic acids on the adsorption of Basic Yellow 28 dye onto an iron organo-inorgano pillared clay and two hydrous ferric oxides. <b>2013</b> , 395, 212-6	15
1546	Adsorption Behavior of Basic Red 46 by Single-Walled Carbon Nanotubes Surfaces. <b>2013</b> , 21, 286-301	51
1545	Investigation of Kinetics and Isotherm Models for the Acid Orange 95 Adsorption from Aqueous Solution onto Natural Minerals. <b>2013</b> , 58, 551-559	36
1544	Sorption of pollutants by porous carbon, carbon nanotubes and fullerene- an overview. <b>2013</b> , 20, 2828-43	760
1543	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: a review. <b>2013</b> , 193-194, 24-34	902
1542	Removal of Carcinogenic Azo Dyes from Water by New Cyclodextrin-Immobilized Iron Oxide Magnetic Nanoparticles. <b>2013</b> , 224, 1	21
1541	Electrochemical biosensor applications of polysaccharides chitin and chitosan. <b>2013</b> , 113, 5458-79	341
1540	An Insight Into the Production, Characterization, and Mechanisms of Action of Low-Cost Adsorbents for Removal of Organics From Aqueous Solution. <b>2013</b> , 43, 443-549	27
1539	Heavy metal removal from water by magnetite nanorods. <b>2013</b> , 219, 209-216	131
1538	Effect of pH on the adsorption of Sunset Yellow FCF food dye into a layered double hydroxide (CaAl-LDH-NO <sub>3</sub> ). <b>2013</b> , 215-216, 122-127	138
1537	SYNTHESIS AND CHARACTERIZATION OF CADMIUM SULFIDE NANOPARTICLE LOADED ACTIVATED CARBON AS A NOVEL ADSORBENT FOR EFFICIENT REMOVAL OF REACTIVE ORANGE 12. <b>2013</b> , 200, 1071-1088	4
1536	Cationic and anionic modifications of oil palm empty fruit bunch fibers for the removal of dyes from aqueous solutions. <i>Bioresource Technology</i> , <b>2013</b> , 128, 571-7	11 90
1535	Removal of Brilliant Blue FCF from Aqueous Solutions Using an Unmodified and Iron-Modified Bentonite and the Thermodynamic Parameters of the Process. <b>2013</b> , 224, 1	28
1534	Endocrine disruptors compounds, pharmaceuticals and personal care products in urban wastewater: implications for agricultural reuse and their removal by adsorption process. <b>2013</b> , 20, 3616-28	98

1533	Modeling studies: Adsorption of aniline blue by using Prosopis Juliflora carbon/Ca/alginate polymer composite beads. <b>2013</b> , 92, 2171-80		40
1532	Synthesis and characterization of Ag <sub>3</sub> PO <sub>4</sub> immobilized in bentonite for the sunlight-driven degradation of Orange II. <b>2013</b> , 134-135, 1-6		76
1531	Magnetite/hematite nanoparticles prepared by green methods for heavy metal ions removal from water. <b>2013</b> , 178, 744-751		100
1530	Decolorisation of aqueous dye solutions by low-cost adsorbents: a review. <b>2013</b> , 129, 85-108		82
1529	Enhanced Photocatalytic Degradation of Reactive Dyes over FeTiO <sub>3</sub> /TiO <sub>2</sub> Heterojunction in the Presence of H <sub>2</sub> O <sub>2</sub> . <b>2013</b> , 224, 1		26
1528	Synthesis of porous chitosan-polyaniline/ZnO hybrid composite and application for removal of reactive orange 16 dye. <b>2013</b> , 108, 229-38		103
1527	Insights into cationic methyl violet 6B dye/kaolinite interactions: kinetic, equilibrium and thermodynamic studies. <b>2013</b> , 48, 85-95		4
1526	Physicochemical characterization of chitosan/nylon6/polyurethane foam chemically cross-linked ternary blends. <b>2013</b> , 105, 20-3		10
1525	Synergistically improved adsorption of anionic surfactant and crystal violet on chitosan hydrogel beads. <b>2013</b> , 217, 426-434		93
1524	Oil Palm Biomass as a Precursor of Activated Carbons: A Review. <b>2013</b> , 43, 1117-1161		71
1523	Low cost CaCl <sub>2</sub> pretreatment of sugarcane bagasse for enhancement of textile dyes adsorption and subsequent biodegradation of adsorbed dyes under solid state fermentation. <i>Bioresource Technology</i> , <b>2013</b> , 132, 276-84	11	50
1522	Experimental and theoretical investigation into the elimination of organic pollutants from solution by layered double hydroxides. <b>2013</b> , 140-141, 241-248		44
1521	Kinetic Study of Methyl Orange Adsorption from Solution by IOCZ. <b>2013</b> , 684, 194-197		
1520	Self-assembly of polypyrrole/chitosan composite hydrogels. <b>2013</b> , 95, 72-6		62
1519	pH-sensitive multilayers based on maleic acid terpolymers with weak and strong acid moieties. <b>2013</b> , 436, 113-122		5
1518	Magnetic porous carbons with high adsorption capacity synthesized by a microwave-enhanced high temperature ionothermal method from a Fe-based metal-organic framework. <b>2013</b> , 59, 372-382		110
1517	Removal of anionic azo dyes from aqueous solution using magnetic polymer multi-wall carbon nanotube nanocomposite as adsorbent. <b>2013</b> , 223, 84-90		147
1516	Efficient decolorization and deproteinization using uniform polymer microspheres in the succinic acid biorefinery from bio-waste cotton ( <i>Gossypium hirsutum</i> L.) stalks. <i>Bioresource Technology</i> , <b>2013</b> , 135, 604-9	11	18



1515	Fish Bone as a Low-Cost Adsorbent for Dye Removal from Wastewater: Response Surface Methodology and Classical Method. <b>2013</b> , 18, 661-670		20
1514	Removal of microelemental Cr(III) and Cu(II) by using soybean meal waste--unusual isotherms and insights of binding mechanism. <i>Bioresource Technology</i> , <b>2013</b> , 127, 350-7	11	82
1513	A facile one-pot solvothermal method to produce superparamagnetic graphene-Fe <sub>3</sub> O <sub>4</sub> nanocomposite and its application in the removal of dye from aqueous solution. <b>2013</b> , 101, 210-4		105
1512	Adsorption Studies of Methylene Blue and Malachite Green From Aqueous Solutions by Pretreated Lignocellulosic Materials. <b>2013</b> , 48, 1688-1698		49
1511	Synthesis of porous hierarchical MgO and its superb adsorption properties. <b>2013</b> , 5, 12411-8		180
1510	Biosorption of malachite green from aqueous solutions by pine sawdust: equilibrium, kinetics and the effect of process parameters. <b>2013</b> , 51, 3284-3294		17
1509	Sorption of Organic Compounds, Oxyanions, and Heavy Metal Ions on Surfactant Modified Titanate Nanotubes. <b>2013</b> , 52, 9843-9850		27
1508	A solid-phase extractant based on microemulsion modified date pits for toxic pollutants. <b>2013</b> , 130, 80-9		27
1507	Characterization and evaluation catalytic efficiency of NiFe <sub>2</sub> O <sub>4</sub> nano spinel in removal of reactive dye from aqueous solution. <b>2013</b> , 250, 147-153		34
1506	Chitosan: Development of Nanoparticles, Other Physical Forms and Solubility with Acids. <b>2013</b> , 24, 107-122		1
1505	Cattail leaves as a novel biosorbent for the removal of malachite green from liquid phase: data analysis by non-linear technique. <b>2013</b> , 51, 3371-3380		11
1504	Novel Ag/Kaolin Nanocomposite as Adsorbent for Removal of Acid Cyanine 5R from Aqueous Solution. <b>2013</b> , 2013, 1-7		5
1503	Study on Electrospun-Membrane-Based Filter to Rapidly Remove Reactive Yellow 2 from Wastewater. <b>2013</b> , 726-731, 707-711		1
1502	Full Factorial Experimental Design Analysis of Reactive Dye Removal by Carbon Adsorption. <b>2013</b> , 2013, 1-13		31
1501	Discoloration of indigo carmine using aqueous extracts from vegetables and vegetable residues as enzyme sources. <b>2013</b> , 2013, 250305		4
1500	Abatement of azo dye from wastewater using bimetal-chitosan. <b>2013</b> , 2013, 476271		28
1499	Use of Forestry Wastes for Biosorption of Dyes and Cr (VI). <b>2013</b> , 2013, 1-10		5
1498	Adsorption of 4-Chlorophenol onto Activated Carbon Prepared from Wheat Straw: Equilibrium Study. <b>2013</b> , 319, 245-248		2



1497	Adsorption of Acid Dyes on Hydrotalcite-Like Anionic Clays. <b>2013</b> , 571, 57-69	4
1496	Adsorption of Copper Ions and Methylene Blue on Natural Wheat Straw and Modified Wheat Straw in Single and Binary System: Column Mode. <b>2013</b> , 791-793, 52-55	4
1495	Dynamic Adsorption of Cr (VI) Ions from Aqueous Solution by Canna Edulis Ker Residue in a Fixed-Bed Column. <b>2013</b> , 743-744, 498-503	
1494	Adsorption and Regeneration Characteristics of Granular Adsorbent Based on Coal Fly Ash for Methylene Blue Removal. <b>2013</b> , 773, 899-906	1
1493	Silica Adsorbents and Peroxide Functionality for Removing Paraquat from Wastewater. <b>2013</b> , 139, 975-985	6
1492	Comparison of Linear and Nonlinear Regressive Analysis in Estimating the Thomas Model Parameters for Anionic Dye Adsorption onto CPB Modified Peanut Husk in Fixed-Bed Column. <b>2013</b> , 781-784, 2179-2183	1
1491	Adsorption of Acid Dyes onto Bentonite and Surfactant-modified Bentonite. <b>2013</b> , 04,	19
1490	Removal of Methylene Blue from Wastewater by Adsorption onto ZnCl <sub>2</sub> Activated Corn Husk Carbon Equilibrium Studies. <b>2013</b> , 2013, 1-6	65
1489	Uptake of acid black 210 dye by organo-montmorillonite clay minerals. <b>2013</b> , 4, 366-369	1
1488	Adsorption Kinetics for the Removal of Hazardous Dye Congo Red by Biowaste Materials as Adsorbents. <b>2013</b> , 2013, 1-12	75
1487	Efficient Sorption of Basic Organic Dyes from Aqueous Solution Using Green Synthesized Silver Nanoparticles Beads. <b>2013</b> , 34, 1193-1201	9
1486	Cost-effective hybrid adsorbent facilely prepared with dye waste and calcium fluoride for adsorption of organic contaminants. <b>2013</b> , 51, 4566-4572	1
1485	Highly Efficient Removal of Congo red from Wastewater by Nano-Cao. <b>2013</b> , 48, 2681-2687	25
1484	Adsorption of reactive blue 29 dye from aqueous solution by multiwall carbon nanotubes. <b>2013</b> , 51, 7655-7662	31
1483	Biosorption of methylene blue by natural and chemical modified wheat straw in fixed-bed column. <b>2013</b> , 51, 4514-4523	12
1482	Enhanced adsorption of anionic dyes from aqueous solution by gemini cationic surfactant-modified diatomite. <b>2013</b> , 51, 6526-6535	6
1481	Artocarpus odoratissimus skin as a potential low-cost biosorbent for the removal of methylene blue and methyl violet 2B. <b>2013</b> , 1-12	16
1480	A Novel Pinus Tabulaeformis Based Adsorbent for the Removal of Malachite Green. <b>2013</b> , 48, 2804-2816	1

1479	Dye adsorption using biomass wastes and natural adsorbents: overview and future prospects. <b>2013</b> , 1-24	20
1478	Utilisation des éailles de cacao comme support de biofiltration pour le traitement d'effluents de l'industrie agro-alimentaire (in French). <b>2013</b> , 8, 277-288	
1477	Polyurethane-attapulgitite porous material: Preparation, characterization, and application for dye adsorption. <b>2013</b> , 129, 1697-1706	27
1476	- Industrial Applications of Marine Polysaccharides. <b>2013</b> , 788-809	
1475	Adsorbents for IRON removal obtained FROM vermiculite. <b>2013</b> , 353-361	5
1474	Mercury(II) removal with modified magnetic chitosan adsorbents. <b>2013</b> , 18, 6193-214	113
1473	A One Pot Green Synthesis and Characterisation of Iron Oxide-Pectin Hybrid Nanocomposite. <b>2013</b> , 03, 30-37	38
1472	Development of Novel Low-Cost Quaternized Adsorbent from Palm Oil Agriculture Waste for Reactive Dye Removal. <b>2013</b> , 9,	6
1471	Obtenç e caracterizaç de carvõ ativado de caroç de buriti ( <i>Mauritia flexuosa</i> L. f.) para a avaliaç do processo de adsorç de cobre (II). <b>2013</b> , 43, 73-80	4
1470	BIOSORPTION OF TEXTILE DYE USING IMMOBILIZED BACTERIAL ( <i>PSEUDOMONAS AERUGINOSA</i> ) AND FUNGAL ( <i>PHANEROCHATE CHRYSOSPORIUM</i> ) CELLS. <b>2013</b> , 9, 377-387	13
1469	Synthesis of Poly(vinyl alcohol)/Chitosan/Titanium Oxide Beads. <b>2013</b> , 65,	2
1468	Production of Mesoporous Activated Carbon from Tea Fruit Peel Residues and Its Evaluation of Methylene Blue Removal from Aqueous Solutions. <b>2013</b> , 8,	16
1467	Adsorption of remazol brilliant blue on an orange peel adsorbent. <b>2013</b> , 30, 657-665	73
1466	Effectiveness of Alkali-Acid Treatment in Enhancement the Adsorption Capacity for Rice Straw: The Removal of Methylene Blue Dye. <b>2013</b> , 2013, 1-15	35
1465	Study of the Kinetics Adsorption of Organic Pollutants on Modified Cellulosic Polymer Using Ultraviolet-Visible Spectroscopy. <b>2013</b> , 2013, 1-7	1
1464	Preparation, characterization and application of magnetic Fe <sub>3</sub> O <sub>4</sub> -CS for the adsorption of orange I from aqueous solutions. <b>2014</b> , 9, e108647	22
1463	Photocatalytic Degradation of Indigo Carmine Dye Using Calcium Oxide. <b>2014</b> , 2014, 1-6	13
1462	Preparation and characterization of chitosan/feldspar biohybrid as an adsorbent: optimization of adsorption process via response surface modeling. <b>2014</b> , 2014, 370260	15

1461	Edible Polymers: Challenges and Opportunities. <b>2014</b> , 2014, 1-13	148
1460	Bioremediation of dyes by fungi isolated from contaminated dye effluent sites for bio-usability. <b>2014</b> , 45, 1055-63	77
1459	Comparison of Alkali-Tolerant Fungus Myrothecium Sp. IMER1 and White-Rot Fungi for Decolorization of Textile Dyes and Dye Effluents. <b>2014</b> , 05,	3
1458	Adsorption and Removal of Organic Dye at Quartz Sand-Water Interface. <b>2014</b> , 69, 405-413	7
1457	Adsorption of Bismarck Brown R Dye Onto Multiwall Carbon Nanotubes. <b>2014</b> , 01,	1
1456	Adsorption Behavior of Basic Dye from Aqueous Solution onto Alkali Extracted Lignin. <b>2014</b> , 9,	12
1455	Contaminants in Industrial Lean Amine Solvent and their Removal using Biopolymers: A New Aspect. <b>2014</b> , 04,	3
1454	pH-sensitive hydrogels for colon specific delivery. <b>2014</b> , 87, 1382-1386	1
1453	Discoloration of aqueous textile dyes solution by Phanerochaete chrysosporium immobilized in modified PVA matrix. <b>2014</b> , 52, 6694-6702	1
1452	Removal of Cationic Dye (Methylene Blue) from Aqueous Solution by Humic Acid-Modified Expanded Perlite: Experiment and Theory. <b>2014</b> , 49, 2400-2411	27
1451	Study of the sorption of synthetic dyes from aqueous solution onto cellulosic modified polymer. <b>2014</b> , 36, 265-272	5
1450	Tunable synthesis of SiO <sub>2</sub> -encapsulated zero-valent iron nanoparticles for degradation of organic dyes. <b>2014</b> , 9, 501	20
1449	Utilization of Nanospinel Fe <sub>1.95</sub> Mn <sub>0.05</sub> NiO <sub>4</sub> as the Adsorbent in Efficient Removal of Azo Dye Reactive Black 5 From Aqueous Solutions: Kinetic and Adsorption Studies. <b>2014</b> , 44, 227-234	2
1448	Adsorption of azo dyes using peanut hull and orange peel: a comparative study. <b>2014</b> , 35, 1436-53	34
1447	Evaluation of textile dye degradation due to the combined action of enzyme horseradish peroxidase and hydrogen peroxide. <b>2014</b> , 174, 2741-7	13
1446	Two nanocage anionic metal-organic frameworks with rht topology and {[M(H <sub>2</sub> O) <sub>6</sub> ] <sub>6</sub> }(12+) charge aggregation for rapid and selective adsorption of cationic dyes. <b>2014</b> , 50, 14674-7	102
1445	Synthesis and Characterization of Chitosan/Polyvinylpyrrolidone/Zeolite Composite by Solution Blending Method. <b>2014</b> , 24, 1048-1054	18
1444	Recycling potential of air pollution control residue from sewage sludge thermal treatment as artificial lightweight aggregates. <b>2014</b> , 32, 221-7	10

1443	Adsorption of congo red by cross-linked chitosan resins. <b>2014</b> , 52, 7733-7742	7
1442	Adsorption and photodegradation of methylene blue on TiO <sub>2</sub> -halloysite adsorbents. <b>2014</b> , 31, 2051-2056	46
1441	Fabrication of perovskite-type oxide La <sub>0.5</sub> Ca <sub>0.5</sub> CoO <sub>3</sub> nanoparticles and its Dye removal performance. <b>2014</b> , 52, 7377-7388	6
1440	Optimization of the column studies into the adsorption of basic dye using tartaric acid-treated bagasse. <b>2014</b> , 52, 6194-6205	7
1439	Monolithic Porous Graphene/Poly(Vinyl Alcohol) Gels: Preparation, Structure and Dye Adsorption. <b>2014</b> , 989-994, 373-378	
1438	Adsorption of Azo-Dye Orange II from Aqueous Solutions Using a Metal-Organic Framework Material: Iron- Benzenetricarboxylate. <b>2014</b> , 7, 8037-8057	107
1437	Effect of Nano-Fe <sub>2</sub> O <sub>3</sub> /Goldmine Complex on Dyeing Wastewater Treatment. <b>2014</b> , 955-959, 335-338	
1436	Removal of acid turquoise blue 2G from aqueous solution by adsorbent derived from sludge and straw: kinetic, isotherm and thermodynamic study. <b>2014</b> , 1-9	1
1435	Adsorption of Polyanion onto Large Alpha Alumina Beads with Variably Charged Surface. <b>2014</b> , 2014, 1-9	28
1434	Graphene oxide--magnetite nanocomposite as an efficient and magnetically separable adsorbent for methylene blue removal from aqueous solution. <b>2014</b> , 38, 775-782	34
1433	Preparation and Catalytic Activity of Carbon Nanofibers Anchored Metallophthalocyanine in Decomposing Acid Orange 7. <b>2014</b> , 7, 1370-1383	3
1432	Preparation and Application of CA/BaSO <sub>4</sub> -CR Composite Gel Ball in Cationic Dye Wastewater Treatment. <b>2014</b> , 955-959, 38-46	
1431	Studies on Biosorption of Methylene Blue from Aqueous Solutions by Powdered Palm Tree Flower (Borassus flabellifer). <b>2014</b> , 2014, 1-13	10
1430	Adsorption of Brilliant Green onto Luffa Cylindrical Sponge: Equilibrium, Kinetics, and Thermodynamic Studies. <b>2014</b> , 2014, 1-12	18
1429	Using Akaike Information Criterion to Select the Optimal Isotherm Equation for Adsorption from Solution. <b>2014</b> , 32, 605-622	12
1428	Assessment of food processing and pharmaceutical industrial wastes as potential biosorbents: a review. <b>2014</b> , 2014, 146769	24
1427	Adsorption of anionic dyes onto natural, thermally and chemically modified smectite clays. <b>2014</b> , 16, 33-40	11
1426	Preparation and photocatalytic activity of Nd doped ZnO nanoparticles. <b>2014</b> , 29, 262-268	34

1425	Sorption Equilibrium of Azo Dyes Direct Orange 26 and Reactive Blue 81 onto a Cheap Plant Sorbent/Równowaga Sorpcji Barwników Azowych Direct Orange 26 I Reactive Blue 81 Na Tanim Sorbencie Roślinnym. <b>2014</b> , 21, 435-445	2
1424	Adsorption of the reactive gray BF-2R dye on orange peel: kinetics and equilibrium studies. <b>2014</b> , 52, 1578-1588	8
1423	Removal of Brilliant Green from Aqueous Solution by Electrocoagulation using Aluminum Electrodes: Experimental, Kinetics, and Modeling. <b>2014</b> , 49, 601-612	13
1422	Metal Organic Framework [Cu <sub>3</sub> (BTC) <sub>2</sub> (H <sub>2</sub> O) <sub>3</sub> ] for the adsorption of methylene blue from aqueous solution. <b>2014</b> , 52, 7332-7338	13
1421	Batch and Fixed-Bed Study for Basic Blue 9 Separations using Synthetic Activated Carbon. <b>2014</b> , 49, 523-532	2
1420	Microwave-Assisted Dried Volcanic Tephra/Calcium Alginate Composite for Phosphate Removal from Micro-Polluted Wastewater. <b>2014</b> , 42, 561-570	7
1419	NaHCO <sub>3</sub> enhanced Rhodamine B removal from aqueous solution by graphite/graphite electro-Fenton system. <b>2014</b> , 132, 568-576	76
1418	Adsorption and desorption studies of Congo red using low-cost adsorbent: activated de-oiled mustard. <b>2014</b> , 52, 7400-7411	9
1417	Kinetic and thermodynamic studies on methylene blue biosorption using corn-husk. <b>2014</b> , 4, 62621-62630	57
1416	Microcolumn adsorption studies of acid/basic dyes related to the physicochemical properties of the adsorbent. <b>2014</b> , 130, 62-72	2
1415	Pyrene nanoparticles as a novel FRET probe for detection of rhodamine 6G: spectroscopic ruler for textile effluent. <b>2014</b> , 4, 63866-63874	23
1414	Biochar-supported zerovalent iron reclaims silver from aqueous solution to form antimicrobial nanocomposite. <b>2014</b> , 117, 801-5	57
1413	Electrospinning preparation of cyclodextrin/glutaraldehyde crosslinked PVP nanofibrous membranes to adsorb dye in aqueous solution. <b>2014</b> , 30, 1057-1062	17
1412	Steam activation, characterisation and adsorption studies of activated carbon from maize tassels. <b>2014</b> , 30, 473-490	14
1411	Treatment of Colored Effluent using Surfactant Modified Bamboo Leaves Powder. <b>2014</b> , 49, 221-231	3
1410	Rubber seeds ( <i>Hevea brasiliensis</i> ): an adsorbent for adsorption of Congo red from aqueous solution. <b>2014</b> , 1-12	4
1409	Poly (Acrylamide-co-Acrylic Acid) Hydrogel Induced by Glow-Discharge Electrolysis Plasma and Its Adsorption Properties for Cationic Dyes. <b>2014</b> , 16, 767-776	16
1408	Microwave-assisted modifications of polysaccharides. <b>2014</b> , 86, 1695-1706	10

1407	Fundamentals on Adsorption, Membrane Filtration, and Advanced Oxidation Processes for Water Treatment. <b>2014</b> , 1-45	5
1406	Robust polymeric hydrogel using rod-like amidodiol as crosslinker: Studies on adsorption kinetics and mechanism using dyes as adsorbate. <b>2014</b> , 131, n/a-n/a	9
1405	Methylene Blue Removal from Aqueous Solution by Adsorption on Nitric Acid Modified Water Treatment Sludge. <b>2014</b> , 931-932, 251-255	
1404	Effect of Silicon Oxide Size and Reducing Environment on the Photocatalytic Capability of Poly(Vinyl Alcohol)/Chitosan/Silicon Oxide Beads. <b>2014</b> , 699, 1000-1005	
1403	Nanotubular Halloysite Clay as Efficient Water Filtration System for Removal of Cationic and Anionic Dyes. <b>2014</b> , 64, 012043	9
1402	Solar Hydrogen Production Coupled with the Degradation of a Dye Pollutant Using TiO <sub>2</sub> Modified with Platinum and Nafion. <b>2014</b> , 2014, 1-9	148
1401	Biosorption of malachite green from aqueous solutions by <i>Pleurotus ostreatus</i> using Taguchi method. <b>2014</b> , 12, 63	30
1400	Adsorption of Dye from Wastewater by Modified Sawdust. <b>2014</b> , 1065-1069, 3123-3126	
1399	Methylene blue adsorption onto granular activated carbon prepared from Harmal seeds residue. <b>2014</b> , 52, 2643-2653	15
1398	Removal of methylene blue from colored effluents by adsorption onto ZnAPSO-34 nanoporous material. <b>2014</b> , 52, 7766-7775	8
1397	Gum ghatti and Fe <sup>0</sup> magnetic nanoparticles based nanocomposites for the effective adsorption of rhodamine B. <b>2014</b> , 101, 1255-64	133
1396	Poly(itaconic acid)-grafted chitosan adsorbents with different cross-linking for Pb(II) and Cd(II) uptake. <b>2014</b> , 30, 120-31	135
1395	Optimization of the combined ultrasonic assisted/adsorption method for the removal of malachite green by gold nanoparticles loaded on activated carbon: experimental design. <b>2014</b> , 118, 55-65	170
1394	Styrene <sup>IV</sup> phosphate nanocomposite for photocatalytic degradation of organic dye in presence of visible light. <b>2014</b> , 606, 105-111	14
1393	Adsorption of Acid Red 57 from aqueous solutions onto polyacrylonitrile/activated carbon composite. <b>2014</b> , 124, 70-7	18
1392	Characteristics, modification and environmental application of Yemen <sup>III</sup> natural bentonite. <b>2014</b> , 7, 841-853	11
1391	Removal of malachite green from aqueous solution using nano-iron oxide-loaded alginate microspheres: batch and column studies. <b>2014</b> , 40, 913-930	26
1390	Cyclodextrin/silica hybrid adsorbent for removal of methylene blue in aqueous media. <b>2014</b> , 78, 77-87	21

1389	Chicken bone ash as an efficient metal biosorbent for cadmium, lead, nickel, and zinc from aqueous solutions. <b>2014</b> , 52, 3115-3121	4
1388	Adsorption of direct black-38 azo dye on p-tert-butylcalix[6]arene immobilized material. <b>2014</b> , 7, 125-131	30
1387	Solid-phase microextraction of Methylene Blue using carboxy graphene-modified steel wires, and its detection by electrochemiluminescence. <b>2014</b> , 181, 427-433	16
1386	Cellulose nanocrystals as promising adsorbents for the removal of cationic dyes. <b>2014</b> , 21, 1655-1665	208
1385	Significance of exploiting non-living biomaterials for the biosorption of wastewater pollutants. <b>2014</b> , 30, 1669-89	53
1384	Removal of a Cationic Dye from Aqueous Solution by Microwave Activated Clinoptilolite Response Surface Methodology Approach. <b>2014</b> , 225, 1	5
1383	Potential use of faujasite, phillipsite and phillipsite-habazite tuff in purification of treated effluent from domestic wastewater treatment plants. <b>2014</b> , 71, 5071-5078	13
1382	Synthesis of cationic polymeric adsorbent and dye removal isotherm, kinetic and thermodynamic. <b>2014</b> , 20, 2745-2753	47
1381	Effect of functionalization on the adsorption capacity of cellulose for the removal of methyl violet. <b>2014</b> , 65, 389-97	50
1380	Adsorption behavior of metal-organic frameworks for methylene blue from aqueous solution. <b>2014</b> , 193, 27-34	287
1379	Studies on the adsorption of chromium(VI) onto 3-Mercaptopropionic acid coated superparamagnetic iron oxide nanoparticles. <b>2014</b> , 425, 36-43	77
1378	Cyclic reaction network modeling for the kinetics of photoelectrocatalytic degradation. <b>2014</b> , 2, 780-787	12
1377	Adsorption/desorption of a dye by a chitosan derivative: Experiments and phenomenological modeling. <b>2014</b> , 248, 327-336	66
1376	Recent advances in the use of graphene-family nanoadsorbents for removal of toxic pollutants from wastewater. <b>2014</b> , 204, 35-56	367
1375	Preparation of novel magnetic chitosan nanoparticle and its application for removal of humic acid from aqueous solution. <b>2014</b> , 292, 1067-1076	63
1374	Nickel doped Zinc oxide as a potential sorbent for decolorization of specific dyes, methyloange and tartrazine by adsorption process. <b>2014</b> , 2, 914-926	46
1373	Pararosaniline and crystal violet tagged montmorillonite for latent fingerprint investigation. <b>2014</b> , 87, 235-244	12
1372	Effect of the Al/clay ratio on the thiabendazol removal by aluminum pillared clays. <b>2014</b> , 87, 245-253	32

1371	Facile synthesis of $\beta$ -MnO <sub>2</sub> microneeds composed of nanowires and their enhanced adsorption to Congo red. <b>2014</b> , 8, 64-72		13
1370	Sorption characteristics of peat of Brunei Darussalam IV: equilibrium, thermodynamics and kinetics of adsorption of methylene blue and malachite green dyes from aqueous solution. <b>2014</b> , 72, 2263-2277		47
1369	Potential of biological materials for removing heavy metals from wastewater. <b>2014</b> , 21, 1614-1627		46
1368	Potential use of low-cost lignocellulosic waste for the removal of direct violet 51 from aqueous solution: equilibrium and breakthrough studies. <b>2014</b> , 66, 557-71		46
1367	Optimization of lead adsorption of mordenite by response surface methodology: characterization and modification. <b>2014</b> , 12, 5		15
1366	Free amino and imino-bridged centres attached to organic chains bonded to structurally ordered silica for dye removal from aqueous solution. <b>2014</b> , 133, 135-43		21
1365	Hybrid central composite design approach for simultaneous optimization of removal of alizarin red S and indigo carmine dyes using cetyltrimethylammonium bromide-modified TiO <sub>2</sub> nanoparticles. <b>2014</b> , 2, 988-1000		51
1364	Electro-oxidation of the dye azure B: kinetics, mechanism, and by-products. <b>2014</b> , 21, 8379-86		23
1363	Aerobic decolorization and degradation of azo dyes by suspended growing cells and immobilized cells of a newly isolated yeast <i>Magnusiomyces ingens</i> LH-F1. <i>Bioresource Technology</i> , <b>2014</b> , 158, 321-8	11	62
1362	A designed Mn <sub>2</sub> O <sub>3</sub> /MCM-41 nanoporous composite for methylene blue and rhodamine B removal with high efficiency. <b>2014</b> , 40, 8093-8101		33
1361	Multi-response optimization using Taguchi design and principle component analysis for removing binary mixture of alizarin red and alizarin yellow from aqueous solution by nano $\gamma$ -alumina. <b>2014</b> , 126, 291-300		41
1360	Dye and its removal from aqueous solution by adsorption: a review. <b>2014</b> , 209, 172-84		2204
1359	Adsorption kinetic and equilibrium studies for methylene blue dye by partially hydrolyzed polyacrylamide/cellulose nanocrystal nanocomposite hydrogels. <b>2014</b> , 251, 17-24		220
1358	Adsorption of C.I. Reactive Blue 19 from aqueous solutions by porous particles of the grafted chitosan. <b>2014</b> , 235, 151-157		59
1357	Typical lignocellulosic wastes and by-products for biosorption process in water and wastewater treatment: a critical review. <i>Bioresource Technology</i> , <b>2014</b> , 160, 57-66	11	299
1356	Modeling of reactive orange 12 (RO 12) adsorption onto gold nanoparticle-activated carbon using artificial neural network optimization based on an imperialist competitive algorithm. <b>2014</b> , 195, 219-229		47
1355	At the cross roads of environmental pollutants and phytoremediation: a promising bio remedial approach. <b>2014</b> , 23, 125-140		6
1354	Adsorption of Rhodamine-B from aqueous solution using treated rice husk-based activated carbon. <b>2014</b> , 446, 1-7		151



1353	BiFeO <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> core/shell composite particles for fast and selective removal of methyl orange dye in water. <b>2014</b> , 428, 95-100	41
1352	Synthesis of Anti-Salt Hydroxypropyl Methylcellulose-g-polyacrylamide/Laponite RD Nanocomposite Hydrogel and Its Application to Remove Cationic Dye. <b>2014</b> , 53, 411-422	12
1351	Novel Magnetite Nanoparticles Coated with Waste-Sourced Biobased Substances as Sustainable and Renewable Adsorbing Materials. <b>2014</b> , 2, 1518-1524	81
1350	In-situ preparation of NaA zeolite/chitosan porous hybrid beads for removal of ammonium from aqueous solution. <b>2014</b> , 107, 103-9	32
1349	The study of thermodynamics and kinetics methyl orange and malachite green by SWCNTs, SWCNT-COOH and SWCNT-NH <sub>2</sub> as adsorbents from aqueous solution. <b>2014</b> , 20, 3186-3194	56
1348	Magnetic Fe <sub>3</sub> O <sub>4</sub> /MgAl-LDH composite for effective removal of three red dyes from aqueous solution. <b>2014</b> , 252, 38-46	179
1347	A magnetic graphene hybrid functionalized with beta-cyclodextrins for fast and efficient removal of organic dyes. <b>2014</b> , 2, 12296	94
1346	Modified and Nonmodified TiO <sub>2</sub> Nanoparticles for Environmental Applications. <b>2014</b> , 289-330	2
1345	Adsorption of a cationic dye from aqueous solution using Turkish lignite: Kinetic, isotherm, thermodynamic studies and neural network modeling. <b>2014</b> , 20, 2615-2624	48
1344	Adsorption removal of organic dyes on covalent triazine framework (CTF). <b>2014</b> , 187, 63-70	93
1343	Superior dye adsorption capacity of amorphous WO <sub>3</sub> sub-micrometer rods fabricated by glancing angle deposition. <b>2014</b> , 2, 911-914	38
1342	Synthesis of magnetic citric-acid-functionalized graphene oxide and its application in the removal of methylene blue from contaminated water. <b>2014</b> , 63, 1881-1888	50
1341	Fabrication of ultra-light graphene-based gels and their adsorption of methylene blue. <b>2014</b> , 240, 595-600	145
1340	Polymer/agro-waste composites for removal of Congo red dye from wastewater: adsorption isotherms and kinetics. <b>2014</b> , 52, 7797-7811	36
1339	Adsorption studies of etherdiamine onto modified sugarcane bagasses in aqueous solution. <b>2014</b> , 133, 332-42	19
1338	Removal of xylenol orange from its aqueous solution using SDS self-microemulsifying systems: optimization by Box-Behnken statistical design. <b>2014</b> , 21, 5187-200	7
1337	Removal of malachite green and methylene blue by Fe <sub>0.01</sub> Ni <sub>0.01</sub> Zn <sub>0.98</sub> O/polyacrylamide nanocomposite using coupled adsorption and photocatalysis. <b>2014</b> , 147, 340-352	103
1336	Synthesis of magnetic chitosan nanoparticle and its adsorption property for humic acid from aqueous solution. <b>2014</b> , 446, 179-189	77

1335	Removal of dorzolamide from biomedical wastewaters with adsorption onto graphite oxide/poly(acrylic acid) grafted chitosan nanocomposite. <i>Bioresource Technology</i> , <b>2014</b> , 152, 399-406	11	96
1334	Exploiting the potential of plant growth promoting bacteria in decolorization of dye Disperse Red 73 adsorbed on milled sugarcane bagasse under solid state fermentation. <b>2014</b> , 86, 364-371		30
1333	Valorization of solid waste products from olive oil industry as potential adsorbents for water pollution control--a review. <b>2014</b> , 21, 268-98		62
1332	Calcined eggshells as a new biosorbent to remove basic dye from aqueous solutions: Thermodynamics, kinetics, isotherms and error analysis. <b>2014</b> , 45, 1578-1587		71
1331	Peach gum for efficient removal of methylene blue and methyl violet dyes from aqueous solution. <b>2014</b> , 101, 574-81		106
1330	Adsorption of anthraquinone dye onto eco-friendly semi-IPN biocomposite hydrogel: Equilibrium isotherms, kinetic studies and optimization. <b>2014</b> , 45, 653-664		72
1329	Kinetics, isotherm, thermodynamic, and adsorption mechanism studies of La(OH) <sub>3</sub> -modified exfoliated vermiculites as highly efficient phosphate adsorbents. <b>2014</b> , 236, 191-201		176
1328	Dichotomous adsorption behaviour of dyes on an amino-functionalised metal-organic framework, amino-MIL-101(Al). <b>2014</b> , 2, 193-203		295
1327	Marine carbohydrates of wastewater treatment. <b>2014</b> , 73, 103-43		12
1326	Shrimp shell as an efficient bioadsorbent for Acid Blue 25 dye removal from aqueous solution. <b>2014</b> , 45, 2926-2934		45
1325	Coffee waste as potential adsorbent for the removal of basic dyes from aqueous solution. <b>2014</b> , 31, 2198-2206	55	
1324	Thermally activated carbon from bovine bone: Optimization of synthesis conditions by response surface methodology. <b>2014</b> , 110, 455-462		12
1323	Theoretical Study of Fractal-Like Kinetics of Adsorption. <b>2014</b> , 32, 623-634		11
1322	Punica granatum Shell Preparation, Characterization, and Use for Crystal Violet Removal from Aqueous Solution. <b>2014</b> , 42, 939-946		22
1321	Agricultural peels for dye adsorption: A review of recent literature. <b>2014</b> , 200, 381-389		181
1320	Combined removal of di(2-ethylhexyl)phthalate (DEHP) and Pb(II) by using a cutinase loaded nanoporous gold-polyethyleneimine adsorbent. <b>2014</b> , 4, 55511-55518		42
1319	Adsorption of Congo red from aqueous solution onto pyrolusite reductive leaching residue. <b>2014</b> , 52, 3564-3571		5
1318	Dyeing bacterial cellulose pellicles for energetic heteroatom doped carbon nanofiber aerogels. <b>2014</b> , 7, 1861-1872		84

1317	Facile synthesis of uniform ZnxCd1-xS alloyed hollow nanospheres for improved photocatalytic activities. <b>2014</b> , 25, 4103-4109	17
1316	Biosorption of crystal violet onto cyperus rotundus in batch system: kinetic and equilibrium modeling. <b>2014</b> , 52, 3535-3546	9
1315	Determination of direct violet 51 dye in water based on its decolorisation by electrochemical treatment. <b>2014</b> , 68,	5
1314	Enhanced decolorization of Orange G in a Fe(II)-EDDS activated persulfate process by accelerating the regeneration of ferrous iron with hydroxylamine. <b>2014</b> , 256, 316-323	73
1313	Preparation and Characterization of Magnetite-Silica Nano-Composite as Adsorbents for Removal of Methylene Blue Dyes from Environmental Water Samples. <b>2014</b> , 896, 525-531	7
1312	A novel approach to hierarchical sphere-like ZnAl-layered double hydroxides and their enhanced adsorption capability. <b>2014</b> , 2, 10202	68
1311	Removal of disperse violet 28 from water using self-assembled organo-layered double hydroxides through a one-step process. <b>2014</b> , 4, 58307-58314	8
1310	Microwave-enhanced catalytic degradation of methylene blue by porous MFe <sub>2</sub> O <sub>4</sub> (M = Mn, Co) nanocomposites: Pathways and mechanisms. <b>2014</b> , 135, 35-41	37
1309	Beneficial metal ion insertion into dandelion-like MnS with enhanced catalytic performance and genetic morphology. <b>2014</b> , 4, 19257-19265	11
1308	Optimization, equilibrium, kinetic modeling, and thermodynamic studies of biosorption of aniline blue by the dead biomass of <i>Aspergillus fumigatus</i> . <b>2014</b> , 52, 3547-3554	9
1307	Hydrophobic bifunctionalized hexagonal mesoporous silicas as efficient adsorbents for the removal of Orange IV. <b>2014</b> , 4, 49783-49788	7
1306	Adsorption of Neutral Red by Pyrolytic Char from Pine Sawdust. <b>2014</b> , 884-885, 195-199	
1305	Highly Efficient Adsorption of Eriochrome Black T in Wastewater on Mesoporous Alumina Sphere. <b>2014</b> , 936, 834-842	
1304	Epichlorohydrin crosslinked chitosan/clay composite beads for on-line preconcentration and determination of chromium(III) by flow injection flame atomic absorption spectrometry. <b>2014</b> , 6, 5298	7
1303	Facile preparation of graphene/Fe <sub>3</sub> O <sub>4</sub> nanocomposites for extraction of dye from aqueous solution. <b>2014</b> , 16, 609-615	38
1302	Photocatalysis degradation of Azo dye using nanoTiO <sub>2</sub> -coated porous cellulose gel: enhancement by adsorption and its self-clean characteristic. <b>2014</b> , 9, 193-197	5
1301	Facile synthesis of aluminium cobalt oxide for dye adsorption. <b>2014</b> , 2, 2259-2268	13
1300	Adsorption of Congo red from aqueous solutions using cationic surfactant modified wheat straw in batch mode: Kinetic and equilibrium study. <b>2014</b> , 45, 2578-2583	99

1299	Principles and mechanisms of photocatalytic dye degradation on TiO <sub>2</sub> based photocatalysts: a comparative overview. <b>2014</b> , 4, 37003-37026	713
1298	Thermodynamic Parameters of the Interactions between Lapachol and Isolapachol Sodium Salts and Chitosan Flakes. <b>2014</b> , 59, 1181-1192	1
1297	Adsorption performance of functionalized chitosan-silica hybrid materials toward rare earths. <b>2014</b> , 2, 19415-19426	135
1296	Decontamination of polluted discharge waters from surface treatment industries by pressure-driven membranes: Removal performances and environmental impact. <b>2014</b> , 258, 309-319	30
1295	New insight into modulated up-conversion luminescent silica nanotubes as efficient adsorbents for colored effluents. <b>2014</b> , 43, 15457-64	9
1294	Biosorption and Reuse Potential of a Blue Green Alga for the Removal of Hazardous Reactive Dyes from Aqueous Solutions. <b>2014</b> , 18, 179-191	32
1293	Adsorption of Orange II dye in aqueous solution onto surfactant-coated zeolite: characterization, kinetic and thermodynamic studies. <b>2014</b> , 435, 15-20	77
1292	Preparation of Highly Effective Hybrid Adsorbent by Anionic Dye Wastewater and Its Use in Cationic Dye Wastewater. <b>2014</b> , 140, 04013001	4
1291	Use of Plantago major L. as a natural coagulant for optimized decolorization of dye-containing wastewater. <b>2014</b> , 61, 169-175	48
1290	Application of chitosan and its derivatives as adsorbents for dye removal from water and wastewater: a review. <b>2014</b> , 113, 115-30	692
1289	Adsorption of Congo Red Dye from Aqueous Solutions Using Roots of Eichhornia Crassipes: Kinetic and Equilibrium Studies. <b>2014</b> , 50, 862-869	119
1288	Optimizing the electrical excitation of an atmospheric pressure plasma advanced oxidation process. <b>2014</b> , 279, 60-6	42
1287	Biodecolorization of Textile Dye Effluent by Biosorption on Fungal Biomass Materials. <b>2014</b> , 55, 437-444	51
1286	Castor bean (Ricinus communis L.) presscake from biodiesel production: An efficient low cost adsorbent for removal of textile dyes. <b>2014</b> , 2, 1731-1740	28
1285	Enhanced adsorptive removal of hazardous anionic dye Congo red by a Ni/Cu mixed-component metal-organic porous material. <b>2014</b> , 4, 35124-35130	80
1284	Cobalt nanoparticles-embedded magnetic ordered mesoporous carbon for highly effective adsorption of rhodamine B. <b>2014</b> , 314, 746-753	97
1283	A Hybrid Material for Sustainable Environmental Protection. <b>2014</b> , 75, 56-60	2
1282	Electrochemical and sonoelectrochemical processes applied to amaranth dye degradation. <b>2014</b> , 117, 200-7	67

1281	Facile One-Pot Synthesis of Novel Spherical Zeolite/Reduced Graphene Oxide Composites for Cationic Dye Adsorption. <b>2014</b> , 53, 13711-13717	65
1280	Competitive adsorption of acid dyes from aqueous solution on diethylenetriamine-modified chitosan beads. <b>2014</b> , 131, n/a-n/a	4
1279	Biosorption characteristics of <i>Aspergillus fumigatus</i> for the decolorization of triphenylmethane dye acid violet 49. <b>2014</b> , 98, 3133-41	24
1278	New proposal for production of bioactive compounds by supercritical technology integrated to a sugarcane biorefinery. <b>2014</b> , 16, 1455-1468	23
1277	Dye Adsorption Behavior of Polyvinyl Alcohol/Glutaraldehyde/ $\beta$ -Cyclodextrin Polymer Membranes. <b>2014</b> , 81, 257-263	28
1276	Amorphous titanium dioxide as an adsorbent for dye polluted water and its recyclability. <b>2014</b> , 71, 86-95	19
1275	Removal of reactive blue 19 from aqueous solution by pomegranate residual-based activated carbon: optimization by response surface methodology. <b>2014</b> , 12, 65	22
1274	Characteristics of cesium ion sorption from aqueous solution on bentonite- and carbon nanotube-based composites. <b>2014</b> , 274, 46-52	81
1273	Removal of methyl orange from aqueous solutions through adsorption by calcium aluminate hydrates. <b>2014</b> , 426, 44-7	46
1272	Removal of methylene blue from aqueous solution using by untreated lignite as potential low-cost adsorbent: Kinetic, thermodynamic and equilibrium approach. <b>2014</b> , 2, 10-21	96
1271	Nanotechnology for Water Treatment and Purification. <b>2014</b> ,	20
1270	Decolorization and degradation of Indigo Carmine dye from aqueous solution catalyzed by horseradish peroxidase. <b>2014</b> , 32, 64-73	18
1269	Synthesis of Magnetic Fe <sub>3</sub> O <sub>4</sub> Modified Graphene Nanocomposite and its Application on the Adsorption of some Dyes from Aqueous Solution. <b>2014</b> , 49, 861-867	6
1268	Removal of phenol from hyper-saline wastewater using Cu/Mg/Al-chitosan- $H_2O_2$ in a fluidized catalytic bed reactor. <b>2014</b> , 111, 605-620	21
1267	Removal of malachite green dye from wastewater by different organic acid-modified natural adsorbent: kinetics, equilibriums, mechanisms, practical application, and disposal of dye-loaded adsorbent. <b>2014</b> , 21, 11552-64	68
1266	Adsorption studies of methylene blue onto activated saw dust: kinetics, equilibrium, and thermodynamic studies. <b>2014</b> , 33, 790-799	37
1265	Nanoporous membranes with cellulose nanocrystals as functional entity in chitosan: removal of dyes from water. <b>2014</b> , 112, 668-76	264
1264	Utilization of calcined Ni-Al layered double hydroxide (LDH) as an Adsorbent for removal of methyl orange dye from aqueous solution. <b>2014</b> , 33, 154-159	40

- 1263 Fe<sub>3</sub>O<sub>4</sub>@C nanoparticles as high-performance Fenton-like catalyst for dye decoloration. **2014**, 59, 3406-3412 30
- 1262 Synthesis and characterization of an inorganic/organic-modified bentonite and its application in methyl orange water treatment. **2014**, 52, 7660-7672 5
- 1261 Micro- and nano-sized bentonite filled composite superabsorbents of chitosan and acrylic copolymer for removal of synthetic dyes from water. **2014**, 101, 510-520 52
- 1260 One-step green synthesis of arginine-capped iron oxide/reduced graphene oxide nanocomposite and its use for acid dye removal. **2014**, 4, 29357-29364 31
- 1259 Natural cellulose for ranitidine drug removal from aqueous solutions. **2014**, 2, 605-611 14
- 1258 Comparison of heavy metal ions removal from industrial lean amine solvent using ion exchange resins and sand coated with chitosan. **2014**, 18, 227-236 39
- 1257 Adsorption of Congo red from solution using cationic surfactant modified wheat straw in column model. **2014**, 2, 40-45 52
- 1256 Kinetic and Thermodynamic Studies of Acid Scarlet 3R Adsorption onto Low-cost Adsorbent Developed from Sludge and Straw. **2014**, 22, 208-213 14
- 1255 Decolorization and mineralization of an azo reactive dye using loaded nano-photocatalysts on spacer fabric: Kinetic study and operational factors. **2014**, 45, 2436-2446 51
- 1254 Polymeric solid self-nanoemulsifying drug delivery system of glibenclamide using coffee husk as a low cost biosorbent. **2014**, 256, 352-360 33
- 1253 Modified nano-graphite/Fe<sub>3</sub>O<sub>4</sub> composite as efficient adsorbent for the removal of methyl violet from aqueous solution. **2014**, 196, 348-356 77
- 1252 Comparative Study of Cationic Surfactant CTAC Tailoring. **2014**, 140, 04014013 1
- 1251 Highly Efficient Removal of Acid Red 18 from Aqueous Solution by Magnetically Retrievable Chitosan/Carbon Nanotube: Batch Study, Isotherms, Kinetics, and Thermodynamics. **2014**, 59, 39-51 93
- 1250 Removal of Aniline from Aqueous Solution using Pine Sawdust Modified with Citric Acid and  $\beta$ -Cyclodextrin. **2014**, 53, 887-894 60
- 1249 Silica functionalized with 1-propyl-3-methylimidazolium chloride as an efficient adsorbent for the removal of Eosin Yellow and Reactive Blue 4. **2014**, 254, 324-332 20
- 1248 Application of Mn/MCM-41 as an adsorbent to remove methyl blue from aqueous solution. **2014**, 429, 25-33 94
- 1247 Adsorption of anionic and cationic dyes on ferromagnetic ordered mesoporous carbon from aqueous solution: equilibrium, thermodynamic and kinetics. **2014**, 430, 272-82 136
- 1246 Comparative study of toxicity of azo dye Procion Red MX-5B following biosorption and biodegradation treatments with the fungi *Aspergillus niger* and *Aspergillus terreus*. **2014**, 112, 317-22 121

1245	Synthesis and application of TiO <sub>2</sub> nanotubes in environmental pollutant removal. <b>2014</b> , 105, 397-403	3
1244	Chitosan-coated <i>Lentinus polychrous</i> L $\dot{v}$ .: Integrated biosorption and biodegradation systems for decolorization of anionic reactive dyes. <b>2014</b> , 93, 168-176	25
1243	Adsorption property of Rhodamine 6G onto chitosan-g-(N-vinyl pyrrolidone)/montmorillonite composite. <b>2014</b> , 69, 506-13	46
1242	Porous magnetic carbon sheets from biomass as an adsorbent for the fast removal of organic pollutants from aqueous solution. <b>2014</b> , 2, 4391-4397	231
1241	Magnetic modification of microporous carbon for dye adsorption. <b>2014</b> , 430, 166-73	68
1240	Combustion synthesis and photocatalytic properties of magnetically separable Zn <sub>1-x</sub> Cd <sub>x</sub> S/Fe <sub>2</sub> O <sub>3</sub> composites. <b>2014</b> , 130, 94-96	11
1239	Adsorption of crystal violet on montmorillonite (or iron modified montmorillonite) followed by degradation through Fenton or photo-Fenton type reactions. <b>2014</b> , 2, 2344-2351	47
1238	Removal of malachite green from aqueous solution by zinc oxide nanoparticle loaded on activated carbon: Kinetics and isotherm study. <b>2014</b> , 20, 17-28	279
1237	Macroporous polymeric ion exchangers as adsorbents for the removal of cationic dye basic blue 9 from aqueous solutions. <b>2014</b> , 131, n/a-n/a	25
1236	Absorptive removal of Pb <sup>2+</sup> , Cu <sup>2+</sup> and Ni <sup>2+</sup> from the aqueous solution by using groundnut husk modified with Guar Gum (GG): Kinetic and thermodynamic studies. <b>2015</b> , 1, 41-49	26
1235	Shaping of Alginate-Silica Hybrid Materials into Microspheres through Vibrating-Nozzle Technology and Their Use for the Recovery of Neodymium from Aqueous Solutions. <b>2015</b> , 54, 12836-12846	37
1234	Novel Carbon-Based Nanoadsorbents for Removal of Synthetic Textile Dyes from Wastewaters. <b>2015</b> , 35-82	2
1233	Batch studies on the adsorption of Cr, Cd and Pb ions from industrial wastewater using raffia palm seeds activated carbon. <b>2015</b> , 7, 275	
1232	Application of waste materials as 'low cost' sorbents for industrial effluent treatment: a comparative overview. <b>2015</b> , 50, 196	12
1231	Advanced Composite Adsorbents: Chitosan versus Graphene. <b>2015</b> , 463-492	1
1230	Halloysite Nanotube/Polyelectrolyte Hybrids as Adsorbents for the Quick Removal of Dyes from Aqueous Solution. <b>2015</b> , 44, 1572-1574	12
1229	Facile Synthesis of Nanoporous Carbons with High Surface Area and Their CO <sub>2</sub> Adsorption Properties. <b>2015</b> , 44, 1004-1006	1
1228	Photocatalytic Processes for the Removal of Dye. <b>2015</b> , 119-137	4



1227	Clay Ceramic Pellets for Water Treatment / MŪ keramikas granulas ūens apstrūei. <b>2015</b> , 32,	1
1226	Removal of Ni(II) from aqueous solution by using micellar enhanced ultrafiltration. <b>2015</b> , 72, 946-51	8
1225	Conversion of Volcanic Tephra to Zeolites for Calcium Ion Cross-Linked Alginate-Zeolite Composites for Enhanced Aqueous Removal of Cu(II) Ions. <b>2015</b> , 226, 1	4
1224	Biosorption of cadmium metal ions on raw and chemically modified walnut shells. <b>2015</b> , 34, 1613-1619	17
1223	Kinetics and thermodynamics of diquat removal from water using magnetic graphene oxide nanocomposite. <b>2015</b> , 93, 1713-1720	17
1222	TEMPO-Oxidized Cellulose Cross-Linked with Branched Polyethyleneimine: Nanostructured Adsorbent Sponges for Water Remediation. <b>2015</b> , 80, 1408-1415	59
1221	Parametric and adsorption kinetic studies of methylene blue removal from simulated textile water using durian ( <i>Durio zibethinus murray</i> ) skin. <b>2015</b> , 72, 896-907	22
1220	Adsorption of Heavy Metal Ion from Aqueous Solution by Using Cellulose Based Hydrogel Composite. <b>2015</b> , 353, 191-197	29
1219	Multifunctional Polymer/Porous Boron Nitride Nanosheet Membranes for Superior Trapping Emulsified Oils and Organic Molecules. <b>2015</b> , 2, 1500228	82
1218	Modelling of cross-flow microfiltration of dye-loaded activated carbon in a ceramic tubular membrane module. <b>2015</b> , 93, 2005-2014	2
1217	A Series of Multifunctional Metal-Organic Frameworks Showing Excellent Luminescent Sensing, Sensitization, and Adsorbent Abilities. <b>2015</b> , 21, 11475-82	210
1216	Attapulgite as Potential Adsorbent for Dissolved Organic Carbon From Oily Water. <b>2015</b> , 43, 1522-1530	3
1215	Continuous Flow Column Study on Biosorption of Reactive Dyes Using Cationic Protein from <i>Moringa oleifera</i> Seeds. <b>2015</b> , 1,	
1214	Adsorption of Reactive Blue Dye onto Natural and Modified Wheat Straw. <b>2015</b> , 06,	9
1213	Surfactant-Modified Wheat Straw: Preparation, Characterization and its Application for Methylene Blue Adsorption from Aqueous Solution. <b>2015</b> , 06,	3
1212	Malaysian Mega Science Framework: The Need for Social Impact and Sustainability Assessment. <b>2015</b> , 18, 01006	
1211	Adsorptive Removal of Reactive Black 5 from Wastewater Using Bentonite Clay: Isotherms, Kinetics and Thermodynamics. <b>2015</b> , 7, 15302-15318	80
1210	Synthesis and Biological Evaluation of New Imine- and Amino-Chitosan Derivatives. <b>2015</b> , 7, 2690-2700	29



1209	Preparation and Application of Titanate Nanotubes on Dye Degradation from Aqueous Media by UV Irradiation. <b>2015</b> , 2015, 1-9	7
1208	Preparation of phosphoric acid activated carbons from <i>Canarium Schweinfurthii</i> Nutshell and its role in methylene blue adsorption. <b>2015</b> , 6, 9-14	7
1207	ADSORPTION OF THE DYE REACTIVE BLUE 5G IN RETORTED SHALE. <b>2015</b> , 32, 269-281	6
1206	Biochar Supported Nanoscale Iron Particles for the Efficient Removal of Methyl Orange Dye in Aqueous Solutions. <b>2015</b> , 10, e0132067	63
1205	Synthesis of Cyclodextrin-functionalized Cellulose Nanofibril Aerogel as a Highly Effective Adsorbent for Phenol Pollutant Removal. <b>2015</b> , 10,	9
1204	Room-Temperature Synthesis of Ni Nanoparticles as the Adsorbent Used for Sewage Treatment. <b>2015</b> , 2015, 1-4	10
1203	Photodegradation of Eosin Y Using Silver-Doped Magnetic Nanoparticles. <b>2015</b> , 2015, 797606	20
1202	Removal of Indigo Carmine Dye from Aqueous Solution Using Magnesium Hydroxide as an Adsorbent. <b>2015</b> , 2015, 1-10	13
1201	ADSORPTION OF METHYLENE BLUE ON ALGINATE-GRAFTED-POLY (METHYL METHACRYLATE). <b>2015</b> , 76,	2
1200	. <b>2015</b> ,	34
1199	A Short Review on Presence of Pharmaceuticals in Water Bodies and the Potential of Chitosan and Chitosan Derivatives for Elimination of Pharmaceuticals. <b>2015</b> , s4,	6
1198	REMOVAL OF CRESOL RED AND REACTIVE BLACK 5 DYES BY USING SPENT TEA LEAVES AND SUGARCANE BAGGASE POWDER. <b>2015</b> , 74,	1
1197	Dyeing Theory. <b>2015</b> , 209-247	1
1196	Preparation and Photocatalytic Properties of $\text{LnBaCo}_{2-x}\text{O}_{5+x}$ ( $\text{Ln} = \text{Eu, Gd, and Sm}$ ). <b>2015</b> , 03, 17-25	3
1195	Synthesis of water-dispersible graphene-modified magnetic polypyrrole nanocomposite and its ability to efficiently adsorb methylene blue from aqueous solution. <b>2015</b> , 279, 757-766	113
1194	Enhanced photo-catalytic activity of Sr and Ag co-doped $\text{TiO}_2$ nanoparticles for the degradation of Direct Green-6 and Reactive Blue-160 under UV & visible light. <b>2015</b> , 149, 571-9	47
1193	Kinetic and thermodynamic studies for alizarin removal from liquid phase using poly-2-hydroxyethyl methacrylate (PHEMA). <b>2015</b> , 207, 21-27	32
1192	Dye responsive optical-electrochemical-wettability on a naphthalene-appended calix[4]arene clicking surface. <b>2015</b> , 212, 371-376	7

1191	Microbial Degradation of Basic Dyes in Wastewaters. <b>2015</b> , 85-110	4
1190	Bioadsorbents for remediation of heavy metals: Current status and their future prospects. <b>2015</b> , 20, 1-18	581
1189	Cross-linked chitosan polymers as generic adsorbents for simultaneous adsorption of multiple mycotoxins. <b>2015</b> , 57, 362-369	59
1188	Synthesis of magnetic carboxymethyl chitosan-g-poly(acrylamide)/laponite RD nanocomposites with enhanced dye adsorption capacity. <b>2015</b> , 72, 2241-2262	15
1187	Amino-functionalized nanocrystalline cellulose as an adsorbent for anionic dyes. <b>2015</b> , 22, 2443-2456	180
1186	Removal and recycling of ppm levels of methylene blue from an aqueous solution with graphene oxide. <b>2015</b> , 5, 27922-27932	61
1185	Valorization of food wastes as sorbent for dye retention from aqueous medium. <b>2015</b> , 54, 2570-2580	3
1184	Barrier characteristics of biopolymer-based organic/inorganic Au/CTS/n-InP hybrid junctions. <b>2015</b> , 95, 3413-3428	1
1183	Adsorptive removal of Acidol Red 2BE-NW from aqueous solutions using chitosan/montmorillonite beads. <b>2015</b> , 1-12	1
1182	Adsorption reaction and diffusion based-models with solid-phase concentration-dependent coefficient for adsorption of reactive dye. <b>2015</b> ,	1
1181	Algae and Environmental Sustainability. <b>2015</b> ,	13
1180	Copper (II) ions adsorption from aqueous solutions using electrospun chitosan/peo nanofibres: Effects of process variables and process optimization. <b>2015</b> , 7, 295-305	24
1179	Remediation of Dyes from Aquatic Ecosystems by Biosorption Method Using Algae. <b>2015</b> , 97-106	8
1178	Evaluation of Red Marine Alga Kappaphycus alvarezii as Biosorbent for Methylene Blue: Isotherm, Kinetic, and Mechanism Studies. <b>2015</b> , 50, 1120-1126	11
1177	Microbial Degradation of Synthetic Dyes in Wastewaters. <b>2015</b> ,	13
1176	Hierarchically mesostructured MIL-101 metalorganic frameworks with different mineralizing agents for adsorptive removal of methyl orange and methylene blue from aqueous solution. <b>2015</b> , 3, 1372-1383	55
1175	Fabrication of mesoporous Al-SBA-15 as a methylene blue capturer via a spontaneous infiltration route. <b>2015</b> , 39, 985-993	20
1174	Adsorption equilibrium and kinetic studies of crystal violet and naphthol green on torreya-grandis-skin-based activated carbon. <b>2015</b> , 32, 335-341	7

1173	Microwave-assisted removal of malachite green by carboxylate functionalized multi-walled carbon nanotubes: Kinetics and equilibrium study. <b>2015</b> , 206, 151-158	81
1172	Isotherm and kinetics study of malachite green adsorption onto copper nanowires loaded on activated carbon: artificial neural network modeling and genetic algorithm optimization. <b>2015</b> , 142, 135-49	86
1171	Experimental study of surfaces of hydrogel polymers HEMA, HEMA/HEMA/MA, and PVA as adsorbent for removal of azo dyes from liquid phase. <b>2015</b> , 206, 129-136	66
1170	Template-free synthesis of functional 3D BN architecture for removal of dyes from water. <b>2014</b> , 4, 4453	81
1169	Enhanced selective metal adsorption on optimised agroforestry waste mixtures. <i>Bioresource Technology</i> , <b>2015</b> , 182, 41-49	11 41
1168	Palladium-decorated zinc sulfide/reduced graphene oxide nanocomposites for enhanced visible light-driven photodegradation of indigo carmine. <b>2015</b> , 33, 119-126	23
1167	Characterization of refractory matters in dyeing wastewater during a full-scale Fenton process following pure-oxygen activated sludge treatment. <b>2015</b> , 287, 421-8	47
1166	Efficient Degradation of a Biorecalcitrant Pollutant from Wastewater Using a Fluidized Catalyst-Bed Reactor. <b>2015</b> , 202, 1118-1129	15
1165	Selective removal of erythromycin by magnetic imprinted polymers synthesized from chitosan-stabilized Pickering emulsion. <b>2015</b> , 289, 28-37	61
1164	A novel magnetic polysaccharide/graphene oxide composite for removal of cationic dyes from aqueous solution. <b>2015</b> , 39, 2908-2916	25
1163	Removal of a reactive textile azo dye by dolomitic solids: kinetic, equilibrium, thermodynamic, and FTIR studies. <b>2015</b> , 56, 695-708	7
1162	Amino-functionalized silica magnetite nanoparticles for the simultaneous removal of pollutants from aqueous solution. <b>2015</b> , 333, 68-77	76
1161	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> /hierarchical-Mn <sub>3</sub> O <sub>4</sub> /graphene oxide as a synergistic catalyst for activation of peroxymonosulfate for degradation of organic pollutants. <b>2015</b> , 5, 20674-20683	66
1160	Hierarchical hybrid carbon nano-structures as robust and reusable adsorbents: Kinetic studies with model dye compound. <b>2015</b> , 268, 197-207	40
1159	TiO <sub>2</sub> /graphene sponge for the removal of tetracycline. <b>2015</b> , 17, 1	29
1158	Application of Micellar-Enhanced Ultrafiltration for the Removal of Reactive Blue 19 from Aqueous Media. <b>2015</b> , 36, 1208-1215	5
1157	Cu <sub>0.5</sub> Mn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nano spinels as potential sorbent for adsorption of brilliant green. <b>2015</b> , 24, 308-314	29
1156	Methyl red removal from water by iron based metal-organic frameworks loaded onto iron oxide nanoparticle adsorbent. <b>2015</b> , 330, 85-93	99

1155	Fixed-bed dynamic column adsorption study of methylene blue (MB) onto pine cone. <b>2015</b> , 55, 1026-1039	37
1154	Chitosan-Zinc Oxide Nanoparticles Combined with Dispersive Liquid-Liquid Microextraction for the Determination of BTEX in Water Samples. <b>2015</b> , 68, 481	5
1153	Removal of methyl orange on modified ostrich bone waste--a novel organic-inorganic biocomposite. <b>2015</b> , 446, 11-23	31
1152	Superadsorbent with three-dimensional networks: From bulk hydrogel to granular hydrogel. <b>2015</b> , 72, 661-686	46
1151	Adsorption of methylene blue and methyl violet by camellia seed powder: kinetic and thermodynamic studies. <b>2015</b> , 53, 3681-3690	22
1150	Application of Langmuir and Freundlich isotherms to predict adsorbate removal efficiency or required amount of adsorbent. <b>2015</b> , 28, 241-246	147
1149	TiO <sub>2</sub> immobilized zein microspheres: a biocompatible adsorbent for effective dye decolourisation. <b>2015</b> , 5, 26475-26481	13
1148	Artocarpus altilis (breadfruit) skin as a potential low-cost biosorbent for the removal of crystal violet dye: equilibrium, thermodynamics and kinetics studies. <b>2015</b> , 73, 3239-3247	51
1147	Adsorption property of methyl orange by chitosan coated on quartz sand in batch mode. <b>2015</b> , 55, 1598-1608	9
1146	Cobalt-doped ZnS-reduced graphene oxide nanocomposite as an advanced photocatalytic material. <b>2015</b> , 22, 47-56	26
1145	Phytoremediation. <b>2015</b> ,	9
1144	One-Step Fabrication of Graphene Oxide Enhanced Magnetic Composite Gel for Highly Efficient Dye Adsorption and Catalysis. <b>2015</b> , 3, 1677-1685	212
1143	Gum ghatti and poly(acrylamide-co-acrylic acid) based biodegradable hydrogel-evaluation of the flocculation and adsorption properties. <b>2015</b> , 120, 42-52	45
1142	Application of the central composite design to study the flocculation of an anionic azo dye using quaternized cellulose nanofibrils. <b>2015</b> , 133, 80-9	46
1141	Trapping characteristic of halloysite lumen for methyl orange. <b>2015</b> , 347, 769-776	24
1140	Facile immobilization of polyaspartate onto silica gels via poly(dopamine) for the removal of methylene blue from aqueous solution. <b>2015</b> , 351, 831-839	19
1139	Bionanocomposites for Magnetic Removal of Water Pollutants. <b>2015</b> , 279-310	5
1138	Comparative Study of Surface Modified Carbonized Eichhornia crassipes for Adsorption of Dye Safranin. <b>2015</b> , 150629133342008	4

1137	Structural evolution of chitosan/alygorskite composites and removal of aqueous lead by composite beads. <b>2015</b> , 353, 363-375	61
1136	Efficiency of almond gum as a low-cost adsorbent for methylene blue dye removal from aqueous solutions. <b>2015</b> , 74, 903-911	50
1135	The adsorption of basic dye (Alizarin red S) from aqueous solution onto activated carbon/Fe <sub>2</sub> O <sub>3</sub> nano-composite: Kinetic and equilibrium studies. <b>2015</b> , 40, 35-43	100
1134	Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. <b>2015</b> , 150, 229-242	407
1133	Removal of diazo dye Direct Red 23 from aqueous solution using zero-valent iron nanoparticles immobilized on multi-walled carbon nanotubes. <b>2015</b> , 71, 1367-74	14
1132	Activated carbon/NiFe <sub>2</sub> O <sub>4</sub> magnetic composite: A magnetic adsorbent for the adsorption of methyl orange. <b>2015</b> , 3, 1740-1751	76
1131	Does poly(acrylic acid-co-acrylamide) hydrogel be the pluperfect choiceness in treatment of dyeing wastewater? From simple copolymer to gigantic aqua-waste remover <b>2015</b> , 30, 359-371	16
1130	Novel tunable composites based on bentonite and modified tragacanth gum for removal of acid dyes from aqueous solutions. <b>2015</b> , 5, 55731-55745	24
1129	Equilibrium, kinetics and process design of acid yellow 132 adsorption onto red pine sawdust. <b>2015</b> , 71, 1901-11	5
1128	TiO <sub>2</sub> quantum dots for the photocatalytic degradation of indigo carmine dye. <b>2015</b> , 650, 193-198	67
1127	On the role of humic acids' carboxyl groups in the binding of charged organic compounds. <b>2015</b> , 138, 503-10	20
1126	Removal of methyl orange and bromophenol blue dyes from aqueous solution using Sorel cement nanoparticles. <b>2015</b> , 3, 1702-1712	51
1125	Preparation and Cationic Dye Adsorption of Novel Fe <sub>3</sub> O <sub>4</sub> Supermagnetic/Thiacalix[4]arene Tetrasulfonate Self-Doped/Polyaniline Nanocomposite: Kinetics, Isotherms, and Thermodynamic Study. <b>2015</b> , 60, 2262-2272	28
1124	Removal of dyes and heavy metal ions from water by magnetic hydrogel beads based on poly(vinyl alcohol)/carboxymethyl starch-g-poly(vinyl imidazole). <b>2015</b> , 5, 64106-64118	123
1123	Development of a chitin/graphene oxide hybrid composite for the removal of pollutant dyes: Adsorption and desorption study. <b>2015</b> , 280, 41-48	165
1122	Adsorption of Basic violet 16 from aqueous solutions by waste sugar beet pulp: kinetic, thermodynamic, and equilibrium isotherm studies. <b>2015</b> , 27, 8-14	11
1121	Clay and clay minerals for fluoride removal from water: A state-of-the-art review. <b>2015</b> , 114, 340-348	95
1120	Use of residues and by-products of the olive-oil production chain for the removal of pollutants from environmental media: A review of batch biosorption approaches. <b>2015</b> , 50, 677-718	58

1119	Facile Fabrication of Poly(Acrylic Acid-Co-Acrylamide) Hydrogel with 4A Molecular Sieve for Removal of Heavy Metal Ions. <b>2015</b> , 1092-1093, 852-855	
1118	Two distinct dimeric heterothiometallic W/S/Cu clusters: syntheses, crystal structures, and photocatalytic properties. <b>2015</b> , 92, 93-98	5
1117	Fruit Peels as Efficient Renewable Adsorbents for Removal of Dissolved Heavy Metals and Dyes from Water. <b>2015</b> , 3, 1117-1124	145
1116	Carcinogenic direct azo dye removal from aqueous solution by amino-functionalized calix[4]arenes. <b>2015</b> , 82, 471-478	5
1115	Novel approach for synthesis of boehmite nanostructures and their conversion to aluminum oxide nanostructures for remove Congo red. <b>2015</b> , 452, 116-125	47
1114	Using dyes for evaluating photocatalytic properties: a critical review. <b>2014</b> , 20, 88-110	201
1113	Extraction and characterization of chitin and chitosan from fishery waste by chemical method. <b>2015</b> , 3, 77-85	114
1112	Study on adsorption properties of QCS/PS-G8-2-8 anion exchange membrane for Rhodamine B. <b>2015</b> , 1089, 116-123	6
1111	Highly effective Fe-doped TiO <sub>2</sub> nanoparticles photocatalysts for visible-light driven photocatalytic degradation of toxic organic compounds. <b>2015</b> , 450, 213-223	185
1110	Dye removal using electrochemistry and semiconductor oxide nanotubes. <b>2015</b> , 13, 157-172	37
1109	Solvent-induced syntheses of three heterothiometallic W/S/Cu cluster-based coordination polymers with isomeric architectures and effective photocatalytic properties. <b>2015</b> , 40, 405-412	7
1108	Vertically ordered silica mesochannels as preconcentration materials for the electrochemical detection of methylene blue. <b>2015</b> , 58, 1593-1599	9
1107	Adsorption of direct fast scarlet 4BS dye from aqueous solution onto natural superfine down particle. <b>2015</b> , 16, 73-78	6
1106	Role of tailored surface of activated carbon for adsorption of ionic liquids for environmental remediation. <b>2015</b> , 12, 2711-2722	11
1105	Central composite design optimization of Acid Blue 25 dye biosorption using shrimp shell biomass. <b>2015</b> , 207, 266-273	61
1104	Morphology dependent photocatalytic activity of WO <sub>3</sub> nanostructures. <b>2015</b> , 24, 171-177	52
1103	Effective and highly recyclable nanosilica produced from the rice husk for effective removal of organic dyes. <b>2015</b> , 29, 134-145	34
1102	Ultra-high uptake and selective adsorption of organic dyes with a novel polyoxomolybdate-based organic/inorganic hybrid compound. <b>2015</b> , 5, 45688-45692	25

1101	Adsorption of safranin-O dye on CO <sub>2</sub> neutralized activated red mud waste: process modelling, analysis and optimization using statistical design. <b>2015</b> , 5, 42294-42304	43
1100	Synthesis of a Gum rosin alcohol-poly(acrylamide) based adsorbent and its application in removal of malachite green dye from waste water. <b>2015</b> , 5, 43092-43104	55
1099	Preparation and application of grafted Holarrhena antidycentrica fiber as cation exchanger for adsorption of dye from aqueous solution. <b>2015</b> , 3, 1038-1046	13
1098	Biosorption Potential of Coco-Peat in the Removal of Methylene Blue From Aqueous Solutions. <b>2015</b> , 50, 1439-1446	9
1097	Mechanistic and kinetic study of the formation of silver nanoparticles by reduction of silver(I) in the presence of surfactants and macromolecules. <b>2015</b> , 40, 371-378	7
1096	Synthesis, characterization and dye removal capacities of N-doped mesoporous carbons. <b>2015</b> , 450, 91-100	67
1095	Environmental applications of graphene-based nanomaterials. <b>2015</b> , 44, 5861-96	1022
1094	Removal of ionic liquid by engineered bentonite from aqueous solution. <b>2015</b> , 53, 153-159	12
1093	Redox-Mediated Synthesis of a Fe <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> Nanocomposite for Dye Adsorption and Pseudocapacitance. <b>2015</b> , 10, 1571-80	26
1092	Effective removal of cationic dyes from aqueous solution using gum ghatti-based biodegradable hydrogel. <b>2015</b> , 79, 8-20	77
1091	Removal of Dissolved Organic Carbon from Oily Produced Water by Adsorption onto Date Seeds: Equilibrium, Kinetic, and Thermodynamic Studies. <b>2015</b> , 226, 1	8
1090	Efficient and selective removal of dyes using imidazolium-based supramolecular gels. <b>2015</b> , 7, 10258-65	107
1089	Reinforcement of waterborne polyurethane with chitosan-modified halloysite nanotubes. <b>2015</b> , 346, 372-378	38
1088	Two Distinct Dimeric Heterothiometallic W/S/Cu Clusters with Effective Photocatalytic Property. <b>2015</b> , 26, 1857-1872	0
1087	Solubilization and Interactions of Thiram with Surfactants: Micellar Effects on Adsorption Characteristics of Thiram onto Activated Carbon. <b>2015</b> , 36, 1086-1096	
1086	Chemically controlled growth of porous CeO <sub>2</sub> nanotubes for Cr(VI) photoreduction. <b>2015</b> , 174-175, 435-444	54
1085	Removal of fluoxetine from water by adsorbent materials produced from paper mill sludge. <b>2015</b> , 448, 32-40	42
1084	Poly(acrylic acid) functionalized magnetic graphene oxide nanocomposite for removal of methylene blue. <b>2015</b> , 5, 32272-32282	65

1083	Properties and performance of mesoporous activated carbons from scrap tyres, bituminous wastes and coal. <b>2015</b> , 151, 83-90	54
1082	Removal of textile dyes from aqueous solutions by biosorption on mushroom stump wastes. <b>2015</b> , 31, 365-378	4
1081	Metallurgical process for valuable elements recovery from red mud: A review. <b>2015</b> , 155, 29-43	187
1080	Equilibrium, kinetics and thermodynamic study on adsorption of reactive blue-21 and reactive red-141 by chitosan-organically modified nanoclay (Cloisite 30B) nano-bio composite. <b>2015</b> , 55, 145-151	25
1079	Synthesis and characterizations of nanoporous carbon derived from Lapsi (Choerospondias axillaris) seed: Effect of carbonization conditions. <b>2015</b> , 26, 894-900	18
1078	Removal of Dyes from Effluents Using Biowaste-Derived Adsorbents. <b>2015</b> , 139-201	5
1077	Dye Adsorption on Expanding Three-Layer Clays. <b>2015</b> , 331-358	
1076	Non-Conventional Adsorbents for Dye Removal. <b>2015</b> , 359-407	18
1075	Transition metal/metal oxide modified MCM-41 for pollutant degradation and hydrogen energy production: a review. <b>2015</b> , 5, 83707-83724	65
1074	Adsorption of methyl orange (MO) by Zr (IV)-immobilized cross-linked chitosan/bentonite composite. <b>2015</b> , 81, 818-27	38
1073	Towards the use of metal-organic frameworks for water reuse: a review of the recent advances in the field of organic pollutants removal and degradation and the next steps in the field. <b>2015</b> , 3, 22484-22506	424
1072	Simultaneous adsorption of Cd <sup>2+</sup> and reactive dye on mesoporous nanocarbons. <b>2015</b> , 5, 95247-95255	7
1071	Selective sorption and subsequent photocatalytic degradation of cationic dyes by sonochemically synthesized nano CuWO <sub>4</sub> and Cu <sub>3</sub> Mo <sub>2</sub> O <sub>9</sub> . <b>2015</b> , 5, 94866-94878	30
1070	Influence of anion induced proton abstraction on Cu(II) adsorption by alginic acid. <b>2015</b> , 97, 48-55	14
1069	Polyaniline-Coated Filter Papers: Cost Effective Hybrid Materials for Adsorption of Dyes. <b>2015</b> , 60, 3382-3391	32
1068	Optimization of the combined ultrasonic assisted/adsorption method for the removal of malachite green by zinc sulfide nanoparticles loaded on activated carbon: experimental design. <b>2015</b> , 5, 100129-100141	25
1067	Self-template synthesis of hierarchical magnetic porous carbon fibers derived from Fe(BTC)-coated bamboo fibers for fast removal of methylene blue. <b>2015</b> , 5, 87616-87625	8
1066	Adsorptive removal of uranium ions from liquid waste solutions by phosphorylated chitosan. <b>2015</b> , 4, 299-310	25



1065	Mesoporous titania spheres derived from sodium alginate-gum acacia composite beads: Efficient adsorbent for Reactive blue H5G dye. <b>2015</b> , 3, 2727-2737	11
1064	Preparation and adsorption properties of magnetic CoFe <sub>2</sub> O <sub>4</sub> /chitosan composite microspheres. <b>2015</b> , 89, 2132-2136	6
1063	A porous aerogel nanocomposite of silver nanoparticles-functionalized cellulose nanofibrils for SERS detection and catalytic degradation of rhodamine B. <b>2015</b> , 5, 88915-88920	37
1062	A multifunctional microporous anionic metal-organic framework for column-chromatographic dye separation and selective detection and adsorption of Cr <sup>3+</sup> . <b>2015</b> , 3, 23426-23434	102
1061	Acute Toxicity Assessment of Reactive Red 120 to Certain Aquatic Organisms. <b>2015</b> , 95, 582-7	15
1060	Biocompatible G-Fe <sub>3</sub> O <sub>4</sub> /CA nanocomposites for the removal of Methylene Blue. <b>2015</b> , 212, 63-69	45
1059	Enhanced catalytic ability of chitosan-Cu <sup>II</sup> bimetal complex for the removal of dyes in aqueous solution. <b>2015</b> , 5, 90731-90741	50
1058	Field-Enhanced Transport Processes in the Gas Discharge System With Porous Zeolite. <b>2015</b> , 43, 3576-3581	2
1057	Big bluestem as a bioenergy crop: A review. <b>2015</b> , 52, 740-756	22
1056	Dye sequestration using agricultural wastes as adsorbents. <b>2015</b> , 12, 8-24	291
1055	Adsorption and photocatalyst assisted dye removal and bactericidal performance of ZnO/chitosan coating layer. <b>2015</b> , 81, 584-90	104
1054	Free-standing membranes made of activated boron nitride for efficient water cleaning. <b>2015</b> , 5, 71537-71543	20
1053	Magnetization of a Cu(II)-1,3,5-benzenetricarboxylate metal-organic framework for efficient solid-phase extraction of Congo Red. <b>2015</b> , 182, 2313-2320	29
1052	Single cyanide-bridged Mo(W)/S/Cu cluster-based coordination polymers: Reactant- and stoichiometry-dependent syntheses, effective photocatalytic properties. <b>2015</b> , 231, 230-238	8
1051	A 1D anionic coordination polymer showing superior Congo Red sorption and its dye composite exhibiting remarkably enhanced photocurrent response. <b>2015</b> , 51, 14893-6	101
1050	The Adsorption on Nano-Fe <sub>3</sub> O <sub>4</sub> of Malachite Green from Aqueous Solution. <b>2015</b> , 05, 1542005	1
1049	Adsorption of acid dyes from aqueous solution by CTMAB modified bentonite: Kinetic and isotherm modeling. <b>2015</b> , 211, 1074-1081	67
1048	Rational design of nanomaterials for water treatment. <b>2015</b> , 7, 17167-94	157

1047	Nanostructured polymers with high surface area using inorganic templates for the efficient extraction of anionic dyes from solutions. <b>2015</b> , 51, 16135-8	10
1046	Studies on rhodamine B dye transport through a supported liquid membrane from basic aqueous solutions using phenol as a membrane phase. <b>2015</b> , 5, 78799-78806	4
1045	Removal of safranin-O dye from aqueous solution using modified red mud: kinetics and equilibrium studies. <b>2015</b> , 5, 78491-78501	25
1044	Cellulose nanocrystal- $\alpha$ -lignin hydrogel beads as novel adsorbents for organic dyes in aqueous solutions. <b>2015</b> , 22, 3725-3738	177
1043	Facile approach to synthesize chitosan based composite--Characterization and cadmium(II) ion adsorption studies. <b>2015</b> , 134, 646-56	87
1042	Spoilt for choice: A critical review on the chemical and biological assessment of current wastewater treatment technologies. <b>2015</b> , 87, 237-70	205
1041	A facile method of synthesizing ammonia modified graphene oxide for efficient removal of uranyl ions from aqueous medium. <b>2015</b> , 5, 77192-77203	98
1040	Facile and cost-effective synthesis of CNT@MCo <sub>2</sub> O <sub>4</sub> (M = Ni, Mn, Cu, Zn) core-shell hybrid nanostructures for organic dye removal. <b>2015</b> , 5, 79765-79773	20
1039	Aggregation of magnetic chitosan based nanoparticles and their application in controlled drug release. <b>2015</b> , 88, 524-528	
1038	Preparation, characterization and optical properties of ionophore doped chitosan biopolymer thin film and its potential application for sensing metal ion. <b>2015</b> , 126, 4688-4692	29
1037	Kinetic modelling for heavy metal adsorption using Jordanian low cost natural zeolite (fixed bed column study). <b>2015</b> , 5, 231-238	12
1036	pH triggered superior selective adsorption and separation of both cationic and anionic dyes and photocatalytic activity on a fully exfoliated titanate layer-natural polymer based nanocomposite. <b>2015</b> , 51, 16057-60	30
1035	Removal of phosphate using chitosan-polymer composites. <b>2015</b> , 3, 2331-2341	48
1034	Single and binary adsorption of azo and anthraquinone dyes by chitosan-based hydrogel: Selectivity factor and Box-Behnken process design. <b>2015</b> , 104, 264-279	70
1033	Experimental and kinetic studies for phycoremediation and dye removal by <i>Chlorella pyrenoidosa</i> from textile wastewater. <b>2015</b> , 163, 270-7	80
1032	Adsorption and removal of sulfonic dyes from aqueous solution onto a coordination polymeric xerogel with amino groups. <b>2015</b> , 485, 125-135	23
1031	Microfluidic synthesis of high-performance monodispersed chitosan microparticles for methyl orange adsorption. <b>2015</b> , 5, 78352-78360	20
1030	Selective removal of cationic dyes from aqueous solutions by an activated carbon-based multicarboxyl adsorbent. <b>2015</b> , 5, 99618-99626	34

1029	Controllable dye adsorption behavior on amorphous tungsten oxide nanosheet surfaces. <b>2015</b> , 5, 100898-100904	104
1028	A Critical Analysis on the Efficiency of Activated Carbons from Low-Cost Precursors for Heavy Metals Remediation. <b>2015</b> , 45, 613-668	74
1027	Environmentally benign polyoxometalate materials. <b>2015</b> , 286, 17-29	161
1026	Polypropylenezeolite polymer composites for water purification: synthesis, characterisation and application. <b>2015</b> , 53, 2604-2612	8
1025	Fast and highly-efficient removal of methylene blue from aqueous solution by poly(styrenesulfonic acid-co-maleic acid)-sodium-modified magnetic colloidal nanocrystal clusters. <b>2015</b> , 324, 854-863	18
1024	Batch adsorption of methylene blue from aqueous solutions by untreated Alfa grass. <b>2015</b> , 53, 806-817	14
1023	Synthesis of porous MgAl <sub>2</sub> O <sub>4</sub> spinel and its superior performance for organic dye adsorption. <b>2015</b> , 5, 5123-5130	23
1022	Microwave-assisted facile one-pot method for preparation of BiOI/ZnO nanocomposites as novel dye adsorbents by synergistic collaboration. <b>2015</b> , 12, 909-919	15
1021	Sorption characteristics of peat of Brunei Darussalam V: removal of Congo red dye from aqueous solution by peat. <b>2015</b> , 54, 2592-2600	40
1020	Rapid mechanochemical synthesis of two new Cd(II)-based metal-organic frameworks with high removal efficiency of Congo red. <b>2015</b> , 17, 686-692	109
1019	Kinetics, equilibrium isotherms and thermodynamics of adsorption of Congo red onto natural and acid-treated kaolinite and montmorillonite. <b>2015</b> , 53, 530-542	15
1018	Adsorption kinetics of a cationic dye from wastewater. <b>2015</b> , 53, 3623-3631	6
1017	Kinetics, thermodynamics, and isotherm studies for the adsorption of BR2 dye onto avocado integument. <b>2015</b> , 53, 826-835	23
1016	Modification of surface behaviour of Eichhornia crassipes using surface active agent: An adsorption study. <b>2015</b> , 21, 189-197	17
1015	Sonochemical removal of naphthol blue black azo dye: influence of parameters and effect of mineral ions. <b>2015</b> , 12, 35-44	29
1014	Removal of industrial pollutant (Reactive Orange 122 dye) using environment-friendly sorbent Trapa bispinosa peel and fruit. <b>2015</b> , 12, 1223-1234	16
1013	Amphiphilic derivatives of chitosan using microwave irradiation. Toward an eco-friendly process to chitosan derivatives. <b>2015</b> , 116, 26-33	26
1012	Heterogeneous photo-Fenton oxidation of methylene blue using CdS-carbon nanotube/TiO <sub>2</sub> under visible light. <b>2015</b> , 21, 644-652	52

1011	Incorporation of iron nanoparticles into clinoptilolite and its application for the removal of cationic and anionic dyes. <b>2015</b> , 21, 1143-1151	40
1010	Influence of adsorption parameters of basic red dye 46 by the rough and treated Algerian natural phosphates. <b>2015</b> , 25, 229-238	21
1009	Equilibrium and kinetic study and modeling of Cu(II) and Co(II) synergistic biosorption from Cu(II)-Co(II) single and binary mixtures on brown algae <i>C. indica</i> . <b>2015</b> , 3, 140-149	62
1008	Biosorption of cationic basic dye and cadmium by the novel biosorbent <i>Bacillus catenulatus</i> JB-022 strain. <b>2015</b> , 119, 433-9	41
1007	Exploitation of zinc oxide impregnated chitosan beads for the photocatalytic decolorization of an azo dye. <b>2015</b> , 72, 900-10	43
1006	Enhanced adsorptive removal of selected pharmaceutical antibiotics from aqueous solution by activated graphene. <b>2015</b> , 22, 4715-24	67
1005	Removal of Methylene Blue from Aqueous Solution by Crosslinked Chitosan-g-Poly(Acrylic Acid)/Bentonite Composite. <b>2015</b> , 202, 1635-1644	22
1004	A cage-based cationic body-centered tetragonal metal-organic framework: single-crystal to single-crystal transformation and selective uptake of organic dyes. <b>2015</b> , 51, 370-2	143
1003	Utilization of the agricultural waste ( <i>Cicer arietinum</i> Linn fruit shell biomass) as biosorbent for decolorization of Congo red. <b>2015</b> , 56, 2181-2192	14
1002	Removal of Lissamine rhodamine B and acid orange 10 from aqueous solution using activated carbon/surfactant: Process optimization, kinetics and equilibrium. <b>2015</b> , 47, 149-159	23
1001	Rapid selective separation and recovery of a specific target dye from mixture consisted of different dyes by magnetic Ca-ferrites nanoparticles. <b>2015</b> , 262, 517-526	65
1000	Preparation and properties of chitosan particle-reinforced polybenzoxazine blends. <b>2015</b> , 49, 2449-2458	16
999	Effective biodecolorization potential of surface modified lignocellulosic industrial waste biomass. <b>2015</b> , 259, 286-292	19
998	Removal of congo red and methyl violet from water using nano clay filled composite hydrogels of poly acrylic acid and polyethylene glycol. <b>2015</b> , 260, 269-283	113
997	Adsorption Kinetic Studies for the Removal of Synthetic Dye Using Durian Seed Activated Carbon. <b>2015</b> , 36, 670-684	37
996	Hybrid Fe <sub>3</sub> O <sub>4</sub> /MOFs for the adsorption of methylene blue and methyl violet from aqueous solution. <b>2015</b> , 55, 1973-1980	5
995	Adsorptive removal of dye crystal violet onto low-cost carbon produced from <i>Eichhornia</i> plant: kinetic, equilibrium, and thermodynamic studies. <b>2015</b> , 53, 543-556	24
994	Application of response surface methodology for the biosorption of Acid Blue 25 dye using raw and HCl-treated macroalgae. <b>2015</b> , 53, 1710-1723	7

993	Adsorption of Methylene Blue from Aqueous Solution by Crosslinked Chitosan/Bentonite Composite. <b>2015</b> , 36, 61-67	75
992	Adsorptive removal and kinetics of methylene blue from aqueous solution using NiO/MCM-41 composite. <b>2015</b> , 65, 4-12	42
991	Synthesis and adsorption properties of mesoporous material for the removal of dye safranin: Kinetics, equilibrium, and thermodynamics. <b>2015</b> , 22, 19-27	94
990	Sorption of methylene blue on treated agricultural adsorbents: equilibrium and kinetic studies. <b>2015</b> , 5, 81-88	13
989	Zirconium and silver co-doped TiO <sub>2</sub> nanoparticles as visible light catalyst for reduction of 4-nitrophenol, degradation of methyl orange and methylene blue. <b>2015</b> , 135, 814-9	74
988	Adsorption of dyes in aqueous solutions by chitosan/Balloysite nanotubes composite hydrogel beads. <b>2015</b> , 201, 190-201	169
987	Simultaneous removal of binary mixture of Brilliant Green and Crystal Violet using derivative spectrophotometric determination, multivariate optimization and adsorption characterization of dyes on surfactant modified nano-Alumina. <b>2015</b> , 137, 1016-28	70
986	A novel biosorbent formed of marine-derived <i>Penicillium janthinellum</i> mycelial pellets for removing dyes from dye-containing wastewater. <b>2015</b> , 259, 837-844	73
985	Removal of methylene blue from aqueous solution by wood millet carbon optimization using response surface methodology. <b>2015</b> , 136 Pt B, 141-8	51
984	Adsorption behavior of copper ions from aqueous solution onto graphene oxide/CdS composite. <b>2015</b> , 259, 603-610	94
983	Removal of hazardous organics from water using metal-organic frameworks (MOFs): plausible mechanisms for selective adsorptions. <b>2015</b> , 283, 329-39	909
982	Adsorption of blue copper on a natural and electrochemically treated bentonite. <b>2016</b> , 6, 11-23	3
981	Magnetite nanoparticles with surface modification for removal of methyl violet from aqueous solutions. <b>2016</b> , 9, S348-S354	86
980	Evaluation of Performance of Animal Bone Meal as a new low cost adsorbent for the removal of a cationic dye Rhodamine B from aqueous solutions. <b>2016</b> , 20, S53-S59	21
979	Experimental studies on adsorption of malachite green dye by sugarcane bagasse. <b>2016</b> , 18, 239	
978	Physicochemical Conditions for Adsorption of Lead from Water by Rice Husk Ash. <b>2016</b> , 12,	7
977	An efficient recyclable magnetic material for the selective removal of organic pollutants. <b>2016</b> , 7, 1447-1453	7
976	Adsorption of Naphthol Blue Black Dye onto Acid Activated Titania Pillared Bentonite: Equilibrium Study. <b>2016</b> , 32, 1789-1797	2

975	Dye Removal by Adsorption: A Review. <b>2016</b> , 07,	77
974	Sawdust Derivative for Environmental Application: Chemistry, Functionalization and Removal of textile dye from aqueous solution. <b>2016</b> , 88, 1212-20	5
973	. <b>2016</b> ,	20
972	Removal of Reactive Orange 16 Dye from Aqueous Solution by Using Modified Kenaf Core Fiber. <b>2016</b> , 2016, 1-7	6
971	Cauliflower Leave, an Agricultural Waste Biomass Adsorbent, and Its Application for the Removal of MB Dye from Aqueous Solution: Equilibrium, Kinetics, and Thermodynamic Studies. <b>2016</b> , 2016, 8252354	16
970	Remediation of Rhodamine B Dye from Aqueous Solution Using Casuarina equisetifolia Cone Powder as a Low-Cost Adsorbent. <b>2016</b> , 2016, 1-7	23
969	Treatment of Wastewater from a Dairy Industry Using Rice Husk as Adsorbent: Treatment Efficiency, Isotherm, Thermodynamics, and Kinetics Modelling. <b>2016</b> , 2016, 1-7	17
968	Bioremediation and Detoxification Technology for Treatment of Dye(s) from Textile Effluent. <b>2016</b> ,	11
967	Adsorption mechanism and kinetics of azo dye chemicals on oxide nanotubes: a case study using porous CeO <sub>2</sub> nanotubes. <b>2016</b> , 18, 1	15
966	Dye removal from textile industrial effluents by adsorption on exfoliated graphite nanoplatelets: kinetic and equilibrium studies. <b>2016</b> , 73, 2189-98	28
965	Removal of methylene blue dye from artificially contaminated water using citrus limetta peel waste as a very low cost adsorbent. <b>2016</b> , 66, 154-163	162
964	Synthesis and Characterization of Al-Doped ZnO as a Prospective High Adsorption Material. <b>2016</b> , 99, 3074-3080	5
963	Agarose- and alginate-based biopolymers for sample preparation: Excellent green extraction tools for this century. <b>2016</b> , 39, 1152-9	11
962	Use of Descurainia sophia L. As a natural coagulant for the treatment of dye-containing wastewater. <b>2016</b> , 35, 996-1001	7
961	Cationic cellulose hydrogels cross-linked by poly(ethylene glycol): Preparation, molecular dynamics, and adsorption of anionic dyes. <b>2016</b> , 152, 170-180	69
960	Synthesis, physical properties, and application of aminated poly(glycidyl methacrylate)/zeolite composite. <b>2016</b> , 37, 2313-2322	3
959	Electrospun Fibrous Membranes of Modified Polystyrene and its Copolymer With Butyl Acrylate and Their Respective Adsorption Capabilities for Cationic Blue and Copper Ions. <b>2016</b> , 55, 822-838	4
958	Cation-functionalized silica nanoparticle as an adsorbent to selectively adsorb anionic dye from aqueous solutions. <b>2016</b> , 35, 1070-1077	13

957	Manganese functionalized mesoporous molecular sieves Ti-HMS as a Fenton-like catalyst for dyes wastewater purification by advanced oxidation processes. <b>2016</b> , 4, 4653-4660	15
956	Preparation of crosslinked porous polyurea microspheres in one-step precipitation polymerization and its application for water treatment. <b>2016</b> , 6, 111806-111811	5
955	Black walnut, Osage orange and eastern redcedar sawmill waste as natural dyes: effect of aluminum mordant on color parameters. <b>2016</b> , 3,	8
954	Rice husk and rice husk ash reutilization into nanoporous materials for adsorptive biomedical applications: A review. <b>2016</b> , 3,	6
953	Adsorption kinetics and thermodynamics of Azure C dye from aqueous solution onto activated charcoal. <b>2016</b> , 60, 80-85	1
952	Chitosan-based hydrogel for dye removal from aqueous solutions: Optimization of the preparation procedure. <b>2016</b> ,	1
951	Adsorption of methylene blue on an agro-waste oiltea shell with and without fungal treatment. <b>2016</b> , 6, 38450	33
950	Poly(sodium methacrylate)/eggshell particles hydrogel composites as dye sorbent. <b>2016</b> , 74, 2807-2818	5
949	Removal of methyl orange from aqueous solution by EA/Triton-X100/EG/water green nanoemulsions. <b>2016</b> , 57, 747-753	2
948	Synthesis and adsorption efficiency of calix[6]arene appended XAD-4 resin. <b>2016</b> , 57, 1844-1856	5
947	Direct dye biosorption by immobilized barley husk. <b>2016</b> , 57, 9263-9271	7
946	Analysis of two-parameter and three-parameter isotherms by nonlinear regression for the treatment of textile effluent using immobilized <i>Trametes versicolor</i> : comparison of various error functions. <b>2016</b> , 57, 27061-27072	13
945	Role of Anions in the Formation of Multidimensional Coordination Polymers: Selective Separation of Anionic Toxic Dyes by 3D-Cationic Framework and Luminescent Properties. <b>2016</b> , 16, 3002-3013	29
944	Stable and magnetically reusable nanoporous magnetite micro/nanospheres for rapid extraction of carcinogenic contaminants from water. <b>2016</b> , 6, 34297-34311	8
943	Titanium silicalite-1 macrostructures for photocatalytic removal of organic pollutants from aqueous media. <b>2016</b> , 23, 1421-1429	4
942	Efficient removal of fluoride from drinking water using well-dispersed monetite bundles inlaid in chitosan beads. <b>2016</b> , 303, 391-400	34
941	Valorization of granulated slag of Arcelor-Mittal (Algeria) in cationic dye adsorption from aqueous solution: column studies. <b>2016</b> , 6, 204-213	2
940	Macrogel and nanogel networks based on crosslinked poly (vinyl alcohol) for adsorption of methylene blue from aqua system. <b>2016</b> , 5, 62-73	21



939	Adsorption and photocatalytic degradation of malachite green by vanadium doped zinc oxide nanoparticles. <b>2016</b> , 73, 881-9	17
938	Facile preparation of chitosan wrapping Fe <sub>3</sub> O <sub>4</sub> nanoparticles and MIL-101(Cr) magnetic composites for enhanced methyl orange adsorption. <b>2016</b> , 23, 1363-1372	16
937	Coagulation/flocculation process for dye removal using water treatment residuals: modelling through artificial neural networks. <b>2016</b> , 57, 26392-26400	49
936	Biosorbents for the removal of synthetic organics and emerging pollutants: Opportunities and challenges for developing countries. <b>2016</b> , 19, 84-89	68
935	Simultaneous removal of chromium(VI) and Reactive Black 5 using zeolite supported nano-scale zero-valent iron composite. <b>2016</b> , 75, 1	15
934	Decolourization of Rhodamine B: A swirling jet-induced cavitation combined with NaOCl. <b>2016</b> , 32, 18-30	46
933	Sonochemical assisted hydrothermal synthesis of ZnO: Cr nanoparticles loaded activated carbon for simultaneous ultrasound-assisted adsorption of ternary toxic organic dye: Derivative spectrophotometric, optimization, kinetic and isotherm study. <b>2016</b> , 32, 119-131	95
932	How Does Competition between Anionic Pollutants Affect Adsorption onto Mg <sub>3</sub> Al Layered Double Hydroxide? Three Competition Schemes. <b>2016</b> , 120, 10410-10418	17
931	Synthesis of mesoporous TiO <sub>2</sub> and its role as a photocatalyst in degradation of indigo carmine dye. <b>2016</b> , 79, 228-237	17
930	Removal of phenolic pollutants from aqueous solutions by a simple magnetic separation. <b>2016</b> , 57, 26153-26164	49
929	Solar Red and Brittle Blue direct dyes adsorption onto Eucalyptus angophoroides bark: Equilibrium, kinetics and thermodynamic studies. <b>2016</b> , 4, 2431-2439	128
928	Treatability of Methylene Blue Solution by Adsorption Process Using Neobalanocarpus hepmii and Capsicum annum. <b>2016</b> , 227, 1	9
927	Removal of methylene blue with hemicellulose/clay hybrid hydrogels. <b>2016</b> , 34, 709-719	37
926	Facile method for the synthesis of Fe <sub>3</sub> O <sub>4</sub> @HCP core-shell porous magnetic microspheres for fast separation of organic dyes from aqueous solution. <b>2016</b> , 6, 47530-47535	14
925	Adsorptive removal of nickel(II) ions from aqueous environment: A review. <b>2016</b> , 179, 1-20	156
924	Rapid and efficient visible light photocatalytic dye degradation using AFe <sub>2</sub> O <sub>4</sub> (A = Ba, Ca and Sr) complex oxides. <b>2016</b> , 210, 43-50	48
923	Synthesis, characterization and adsorption of cationic dyes by CS/P(AMPS-co-AM) hydrogel initiated by glow-discharge-electrolysis plasma. <b>2016</b> , 25, 423-435	22
922	Adsorption of reactive blue 21 and reactive red 141 from aqueous solutions onto hydrotalcite. <b>2016</b> , 4, 2617-2627	20



921	Separation free C <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> hybrid hydrogels as high active photocatalysts for TOC removal. <b>2016</b> , 194, 105-110	68
920	Batch and column removal of the dye blue 3R over pumice. <b>2016</b> , 57, 28042-28055	5
919	Nano-Fe <sub>3</sub> O <sub>4</sub> and corn cover composite for removal of Alizarin Red S from aqueous solution: characterization and optimization investigations. <b>2016</b> , 1-14	2
918	Treatment of landfill leachate using ASBR combined with zeolite adsorption technology. <b>2016</b> , 6, 195	27
917	Preparation of silver nanoparticle loaded on activated carbon and its application for removal of malachite green from aqueous solution. <b>2016</b> , 00-00	10
916	Chitosan-maghemite-LiClO <sub>4</sub> a new green conducting superpara magnetic nanocomposite. <b>2016</b> , 23, 1	1
915	Successful degradation of Reactive Black 5 by engineered Fe/Pd nanoparticles: Mechanism and kinetics aspects. <b>2016</b> , 67, 406-417	17
914	Macro-/nanoporous Al-doped ZnO via self-sustained decomposition of metal-organic complexes for application in degradation of Congo red. <b>2016</b> , 42, 18914-18924	13
913	High photodegradation efficiency of phenol by mixed-metal organic frameworks. <b>2016</b> , 3, 944-951	48
912	Use of non-treated shrimp-shells for textile dye removal from wastewater. <b>2016</b> , 4, 4100-4106	17
911	Effects and Uptake of Nanoparticles in Plants. <b>2016</b> , 386-408	2
910	Facile Biopolymer Assisted Synthesis of Hollow SnO <sub>2</sub> Nanostructures and Their Application in Dye Removal. <b>2016</b> , 1, 4682-4689	9
909	A holistic review of hydrogel applications in the adsorptive removal of aqueous pollutants: Recent progress, challenges, and perspectives. <b>2016</b> , 106, 259-271	187
908	One-step synthesis of SnO <sub>2</sub> -reduced graphene oxide (SOG) composites for efficient removal of organic dyes from wastewater. <b>2016</b> , 6, 100636-100642	8
907	Superabsorbent Cellulose/Clay Nanocomposite Hydrogels for Highly Efficient Removal of Dye in Water. <b>2016</b> , 4, 7217-7224	208
906	One-pot modification of Fe <sub>3</sub> O <sub>4</sub> to prepare Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /C nanoparticles and their catalytic activity in Fenton-like process for dye decolouration. <b>2016</b> , 11, 675-679	8
905	Porous boron nitride coupled with CdS for adsorption photocatalytic synergistic removal of RhB. <b>2016</b> , 6, 99165-99171	25
904	Field and Pretreatment-Free Detection of Heavy-Metal Ions in Organic Polluted Water through an Alkyne-Coded SERS Test Kit. <b>2016</b> , 8, 27772-27778	42

903	Large scale fabrication of graphene for oil and organic solvent absorption. <b>2016</b> , 26, 319-323	11
902	Monodisperse Mw-Pt NPs@VC as Highly Efficient and Reusable Adsorbents for Methylene Blue Removal. <b>2016</b> , 27, 1953-1962	27
901	Removal of Anionic Dyes from Aqueous Solutions by Cellulose-Based Adsorbents: Equilibrium, Kinetics, and Thermodynamics. <b>2016</b> , 61, 3266-3276	52
900	Synthesis of Bentonite/Carbon Nanotube Nanocomposite and Its Adsorption of Rhodamine Dye From Water. <b>2016</b> , 41, 4775-4785	18
899	Synthesis of activated charcoal supported Bi-doped TiO <sub>2</sub> nanocomposite under solar light irradiation for enhanced photocatalytic activity. <b>2016</b> , 387, 944-956	27
898	Synthesis of Surface-Modified Iron Oxides for the Solvent-Free Recovery of Bacterial Bioactive Compound Prodigiosin and Its Algicidal Activity. <b>2016</b> , 120, 9685-96	7
897	Selective uptake of organic dyes in a silver-based coordination polymer. <b>2016</b> , 6, 73595-73599	27
896	Modification of microcrystalline cellulose with pyridone derivatives for removal of cationic dyes from aqueous solutions. <b>2016</b> , 23, 2917-2927	27
895	Surface response methodology/central composite design screening for the fabrication of a Gx-psy-g-polyacrylic acid adsorbent and sequestration of auramine-O dye from a textile effluent. <b>2016</b> , 6, 74300-74313	22
894	Chemical modification of starch and its application as an adsorbent material. <b>2016</b> , 6, 78264-78285	87
893	Implications for public health demands alternatives to inorganic and synthetic flocculants: bioflocclulants as important candidates. <b>2016</b> , 5, 177-211	66
892	Treatment of Reactive Dyes from Water and Wastewater through Chitosan and its Derivatives. <b>2016</b> , 347-377	5
891	A metal/organic gel based on silver salt and 2-amino-5-mercapto-1,3,4-thiadiazole with high antibacterial activity and excellent dye adsorption performance. <b>2016</b> , 40, 9125-9131	13
890	Utilization of LDH-based materials as potential adsorbents and photocatalysts for the decontamination of dyes wastewater: a review. <b>2016</b> , 6, 79415-79436	107
889	Kinetic and Enzymatic Decolorization of Industrial Dyes Utilizing Plant-Based Biosorbents: A Review. <b>2016</b> , 33, 601-614	14
888	Adsorption of methyl orange and salicylic acid on a nano-transition metal composite: Kinetics, thermodynamic and electrochemical studies. <b>2016</b> , 483, 118-131	46
887	Enhanced adsorption of Cu(II) ions on chitosan microspheres functionalized with polyethylenimine-conjugated poly(glycidyl methacrylate) brushes. <b>2016</b> , 6, 78136-78150	38
886	Mixed titanium, silicon, and aluminum oxide nanostructures as novel adsorbent for removal of rhodamine 6G and methylene blue as cationic dyes from aqueous solution. <b>2016</b> , 163, 142-152	57

885	Model-fitting approach for methylene blue dye adsorption on Camelina and Sapindus seeds-derived adsorbents. <b>2016</b> , 34, 565-580	9
884	Fungal Applications in Sustainable Environmental Biotechnology. <b>2016</b> ,	6
883	Application of Biosorption and Biodegradation Functions of Fungi in Wastewater and Sludge Treatment. <b>2016</b> , 65-90	4
882	Degradation of methyl orange by heterogeneous Fenton-like oxidation on a nano-organometallic compound in the presence of multi-walled carbon nanotubes. <b>2016</b> , 112, 113-121	41
881	Magnetically modified Sargassum horneri biomass as an adsorbent for organic dye removal. <b>2016</b> , 137, 189-194	62
880	Hairy cellulose nanocrystalloids: a novel class of nanocellulose. <b>2016</b> , 8, 15101-14	84
879	A review on chitosan-based adsorptive membranes. <b>2016</b> , 152, 419-432	205
878	Indium-based metal-organic framework/graphite oxide composite as an efficient adsorbent in the adsorption of rhodamine B from aqueous solution. <b>2016</b> , 687, 804-812	69
877	Adsorption of volatile organic vapors by activated carbon derived from rice husk under various humidity conditions and its statistical evaluation by linear solvation energy relationships. <b>2016</b> , 170, 102-108	45
876	Fuchsine biosorption using Asplenium nidus biosorbent-a mechanism using kinetic and isotherm data. <b>2016</b> , 6, 98682-98692	7
875	Diffusion-Controlled Simultaneous Sensing and Scavenging of Heavy Metal Ions in Water Using Atomically Precise Cluster/Cellulose Nanocrystal Composites. <b>2016</b> , 4, 6167-6176	52
874	Layered double hydroxide of Cd-Al/C for the Mineralization and De-coloration of Dyes in Solar and Visible Light Exposure. <b>2016</b> , 6, 35107	53
873	Fast adsorption of methyl blue on zeolitic imidazolate framework-8 and its adsorption mechanism. <b>2016</b> , 6, 109608-109612	57
872	Selective Adsorption and Separation through Molecular Filtration by Hyperbranched Poly(ether amine)/Carbon Nanotube Ultrathin Membranes. <b>2016</b> , 32, 13073-13083	24
871	Electrochemical behavior of a membrane based on zirconium(IV) phosphoborate nanocomposite and its application in dye removal. <b>2016</b> , 6, 111606-111615	7
870	Adsorptive CuO/CuAl <sub>2</sub> O <sub>4</sub> Nanoparticles for the Separation of Aqueous Methyl Orange. <b>2016</b> , 12, 21-32	
869	Biosorption optimization and equilibrium isotherm of industrial dye compounds in novel strains of microscopic fungi. <b>2016</b> , 13, 2837-2846	18
868	Solvent- and Temperature-Induced Multiple Crystal Phases: Crystal Structure, Selective Adsorption, and Separation of Organic Dye in Three S-Containing {[Cd(MIPA) <sub>n</sub> ] <sub>n</sub> } Homologues. <b>2016</b> , 16, 6363-6370	22

867	. <b>2016</b> ,	1
866	Methylene Blue Adsorption by Novel Magnetic Chitosan Nanoadsorbent. <b>2016</b> , 14, 96-105	5
865	Water Purification: Adsorption over Metal-Organic Frameworks. <b>2016</b> , 34, 175-185	85
864	Comparative study of cationic and anionic dye removal from aqueous solutions using sawdust-based adsorbent. <b>2016</b> , 35, 1078-1090	26
863	Valorization of the Spent Biomass of <i>Pleurotus mutilus</i> Immobilized as Calcium Alginate Biobeads for Methylene Blue Biosorption. <b>2016</b> , 3, 413-430	12
862	Efficient removal of acid dye from aqueous solutions via adsorption using low-cost blast-furnace slag. <b>2016</b> , 57, 28486-28495	11
861	Adsorption of reactive blue BF-5G dye by soybean hulls: kinetics, equilibrium and influencing factors. <b>2016</b> , 73, 1166-74	19
860	Photocatalytic degradation of highly toxic dyes using chitosan-g-poly(acrylamide)/ZnS in presence of solar irradiation. <b>2016</b> , 329, 61-68	147
859	Influence of thermal treatment conditions on efficiency of PFA/MCM-48 composite and CMK-1 carbon replica in adsorption of volatile organic compounds. <b>2016</b> , 126, 1313-1322	7
858	Removal of brilliant cresyl blue from aqueous solutions using modified zirconia nanoparticles as an adsorbent under ultrasonic action. <b>2016</b> , 57, 28999-29006	
857	A comprehensive study on the uptake of dyes, Cu(II) and radioactive <sup>137</sup> Cs(I) by sonochemically synthesized strontium/yttrium tungstate and molybdate nanoparticles. <b>2016</b> , 4, 3050-3064	8
856	Enhanced removal capability of kaolin toward methylene blue by mussel-inspired functionalization. <b>2016</b> , 51, 8116-8130	24
855	Removal of heavy metals and bacteria from aqueous solution by novel hydroxyapatite/zeolite nanocomposite, preparation, and characterization. <b>2016</b> , 13, 1915-1930	20
854	Rapid and high-capacity adsorption of sulfonated anionic dyes onto basic bismuth(III) nitrate via bidentate bridging and electrostatic attracting interactions. <b>2016</b> , 6, 39861-39869	13
853	Magnetic Nanocomposites as Efficient Sorption Materials for Removing Dyes from Aqueous Solutions. <b>2016</b> , 11, 161	36
852	Alginate graft polyacrylonitrile beads for the removal of lead from aqueous solutions. <b>2016</b> , 73, 519-537	20
851	Adsorption of different dyes from aqueous solution using Si-MCM-41 having very high surface area. <b>2016</b> , 23, 1227-1237	15
850	Study of novel mechano-chemical activation process of red mud to optimize nitrate removal from water. <b>2016</b> , 73, 899-908	4

849	Adsorptive amputation of hazardous azo dye Congo red from wastewater: a critical review. <b>2016</b> , 23, 14810-53	96
848	Kinetics and thermodynamics studies of silver ions adsorption onto coconut shell activated carbon. <b>2016</b> , 37, 3087-93	16
847	Evaluating the long-term performance of low-cost adsorbents using small-scale adsorption column experiments. <b>2016</b> , 101, 429-440	35
846	Photocatalytic degradation of Acid Red dye stuff in the presence of activated carbon-TiO <sub>2</sub> composite and its kinetic enumeration. <b>2016</b> , 12, 20-31	41
845	Ammonium-Functionalized Hollow Polymer Particles As a pH-Responsive Adsorbent for Selective Removal of Acid Dye. <b>2016</b> , 8, 16690-8	93
844	Chitosan microspheres modified with poly(ethylenimine) enhance the adsorption of methyl orange from aqueous solutions. <b>2016</b> , 11, 428-436	12
843	Removal of methylene blue from aqueous solution by walnut carbon: optimization using response surface methodology. <b>2016</b> , 57, 3179-3193	18
842	Adsorption of Bisphenol A from Aqueous Solution by HDTMA-Tunisian Clay Synthesized Under Microwave Irradiation: A Parametric and Thermodynamic Study. <b>2020</b> , 68, 361-372	5
841	Simultaneous removal of crystal violet and methyl green in water samples by functionalised SBA-15. <b>2020</b> , 1-17	5
840	Magnetite Fe <sub>3</sub> O <sub>4</sub> -activated carbon composite as adsorbent of rhodamine B dye. <b>2020</b> , 483, 012046	3
839	Polyaspartate-Ionene/Na-Montmorillonite Nanocomposites as Novel Adsorbent for Anionic Dye; Effect of Ionene Structure. <b>2020</b> , 12,	3
838	In Situ Preparation of Novel Porous Nanocomposite Hydrogel as Effective Adsorbent for the Removal of Cationic Dyes from Polluted Water. <b>2020</b> , 12,	12
837	Kinetic Study of Adsorption of Malachite Green Dye on Poly Aniline-Formaldehyde/Chitosan Composite. <b>2020</b> , 928, 052005	
836	Effects of synthesis conditions on sorption capacity methylene blue of coal gangue based geopolymer. <b>2020</b> , 1587, 012009	1
835	Enhanced Absorption Edge of Anchusa-Italica-Doped Pentacene towards Optoelectronic Applications. <b>2020</b> , 1002, 251-263	0
834	Enhanced Decolourisation and Biodegradation of Textile Wastewater Using Single and Mixed Cultures of a Newly Isolated Enterobacter Strain. <b>2020</b> , 77, 4085-4094	4
833	Modular Chitosan-Based Adsorbents for Tunable Uptake of Sulfate from Water. <b>2020</b> , 21,	8
832	Visible light assisted Fenton type degradation of methylene blue by admicelle anchored alumina supported rod shaped manganese oxide. <b>2020</b> , 36, 101272	16

831	Highly branched triple-chain surfactant-mediated electrochemical exfoliation of graphite to obtain graphene oxide: colloidal behaviour and application in water treatment. <b>2020</b> , 22, 12732-12744	4
830	New insights in the use of a strong cationic resin in dye adsorption. <b>2020</b> , 81, 773-780	7
829	Sustainable hybrid silica extracted from rice husk with polyvinyl alcohol and nicotinic acid as multi adsorbent for textile wastewater treatment. <b>2020</b> , 27, 26742-26749	12
828	Synthesis of hollow magnetic carbon microbeads using iron oleate@alginate core-shell hydrogels and their application to magnetic separation of organic dye. <b>2020</b> , 37, 875-882	1
827	Synthesis and dye adsorption studies of the {dibromo(1,1?-(1,2-ethanediy)bis(3-methyl-imidazole-2-thione)dicopper(I)} <sub>n</sub> polymer and its conversion to CuO nanospheres for photocatalytic and antibacterial applications. <b>2020</b> , 44, 8520-8537	4
826	Glutathione enables full utilization of wool wastes for keratin production and wastewater decolorization. <b>2020</b> , 270, 122092	7
825	Utilization of Composts for Adsorption of Methylene Blue from Aqueous Solutions: Kinetics and Equilibrium Studies. <b>2020</b> , 13,	7
824	Characterization of textile dyeing effluent and its treatment using polyaluminum chloride. <b>2020</b> , 10, 1	16
823	Removal of Chromate and Nitrate Ions from Aqueous Solutions by CoxFe <sub>3</sub> -xO <sub>4</sub> @silica Hybrid Nanoparticles Decorated with Cross-Linked Tragacanth Gum: Experiment, Modeling and Optimization. <b>2020</b> , 5, 5404-5413	4
822	Experimental Design and Desirability Analysis for Optimizing the Bio-sorption of Liquid Paint-related Wastes onto Solid Eggshell Wastes. <b>2020</b> , 7, 493-508	2
821	Comprehensive review and future perspectives of efficient N-doped, Fe-doped and (N,Fe)-co-doped titania as visible light active photocatalysts. <b>2020</b> , 178, 109429	18
820	Adsorption of Crystal Violet onto an Agricultural Waste Residue: Kinetics, Isotherm, Thermodynamics, and Mechanism of Adsorption. <b>2020</b> , 2020, 5873521	19
819	Recent Advancement in Visible-Light-Responsive Photocatalysts in Heterogeneous Photocatalytic Water Treatment Technology. <b>2020</b> , 167-196	12
818	Electrospun Nanofibers for Environmental Protection. <b>2020</b> , 773-806	2
817	Chemically treated Lawsonia inermis seeds powder (CTLISP): An eco-friendly adsorbent for the removal of brilliant green dye from aqueous solution. <b>2020</b> , 11, 100417	17
816	Removal of Acid Blue 92 by Using Amino-Functionalized Silica-Pillared Clay as a New Nano-Adsorbent: Equilibrium, Kinetic and Thermodynamic Parameters. <b>2020</b> , 5, 6141-6152	4
815	Nano-adsorbents for wastewater treatment: next generation biotechnological solution. <b>2020</b> , 17, 4095-4132	38
814	Efficient and selective adsorption and separation of methylene blue (MB) from mixture of dyes in aqueous environment employing a Cu(II) based metal organic framework. <b>2020</b> , 511, 119787	34

813	The effective removal of phenol from aqueous solution via adsorption on CS/βCD/CTA multicomponent adsorbent and its application for COD degradation of drilling wastewater. <b>2020</b> , 27, 33668-33680	8
812	Parameter Effects on Dynamic Adsorption of Trichloroethylene on Hypercrosslinked Polymeric Adsorbents. <b>2020</b> , 146, 04020082	1
811	Wastewater Treatment Technologies: A Bibliometric Analysis. <b>2020</b> , 39, 383-394	7
810	Graphene Oxide Functionalized with Cationic Porphyrins as Materials for the Photodegradation of Rhodamine B. <b>2020</b> , 124, 15769-15780	14
809	Grafting modification of okra mucilage: Recent findings, applications, and future directions. <b>2020</b> , 246, 116653	15
808	Sorghum-Waste-Derived High-Surface Area KOH-Activated Porous Carbon for Highly Efficient Methylene Blue and Pb(II) Removal. <b>2020</b> , 5, 13548-13556	13
807	Improved Dye Removal Ability of Modified Rice Husk with Effluent from Alkaline Scouring Based on the Circular Economy Concept. <b>2020</b> , 8, 653	5
806	Selective Adsorption of Cationic Dyes for Stable Metal-Organic Framework ZJU-48. <b>2020</b> , 5, 13595-13600	27
805	Potential Low-Cost Biosorbent Modified from Yard Waste for Acid-Fuchsin Removal. <b>2020</b> , 146, 04020085	0
804	Self-Assembled Graphene Composites for Flow-Through Filtration. <b>2020</b> , 12, 29692-29699	
803	An efficient removal of methylene blue dye by adsorption onto carbon dot @ zinc peroxide embedded poly vinyl alcohol (PVA/CZnO <sub>2</sub> ) nano-composite: A novel Reusable adsorbent. <b>2020</b> , 202, 122565	38
802	Iron terephthalate metal-organic framework (MOF-235) as an efficient adsorbent for removal of toluidine blue dye from aqueous solution using BoxBehnken design as multivariate optimization approach. <b>2020</b> , 17, 2663-2673	9
801	Metal-organic frameworks as adsorbents for sequestering organic pollutants from wastewater. <b>2020</b> , 253, 123246	23
800	Novel Fe <sub>3</sub> O <sub>4</sub> Nanoparticle/β-Cyclodextrin-Based Polymer Composites for the Removal of Methylene Blue from Water. <b>2020</b> , 59, 12270-12281	15
799	Echinops bannaticus plant and Zinnia grandiflora extract as char biosource and reducing agent for the biosynthesis of Ag on magnetic char-polymer: An efficient catalyst for water treatment. <b>2020</b> , 34, e5799	4
798	Degradation and detoxification of waste via bioremediation: a step toward sustainable environment. <b>2020</b> , 67-83	3
797	Study of electronic structure, optoelectronics, linear and nonlinear optical properties and chemical descriptors of dibromodinitrofluorescein isomers in gasphase and solvent media using abinitio and DFT methods. <b>2020</b> , 66, 461-473	8
796	Removal of lead from aqueous solutions by low cost and waste biosorbents (lemon, bean and artichoke shells). <b>2020</b> , 81, 159-169	2



795	Facile preparation of oxygen-rich activated carbon from petroleum coke for enhancing methylene blue adsorption. <b>2020</b> , 30, 627-636	2
794	A Comprehensive review on the hierarchical performances of eco-friendly and functionally advanced modified and recyclable carbon materials. <b>2020</b> , 17, 1521-1537	3
793	Adsorption of indigo carmine on functional chitosan and cyclodextrin/chitosan beads: Equilibrium, kinetics and mechanism studies. <b>2020</b> , 262, 110372	40
792	Chemical characterizations of biochar from palm oil trunk for palm oil mill effluent (POME) treatment. <b>2020</b> , 31, 191-197	7
791	Preparation of a Fe-ZSM-5 Adsorbent and Its Selective Adsorption of p-Xylene Performance Exploration. <b>2020</b> , 65, 2194-2205	0
790	Degradation of trihalomethanes using ultrasound-based nanocatalyst. <b>2020</b> , 59-81	1
789	Synthesis, crystal structures and properties of five novel coordination polymers and application in removing heavy metals from water. <b>2020</b> , 507, 119598	3
788	An Imide-Decorated Indium-Organic Framework for Efficient and Selective Capture of Carcinogenic Dyes with Diverse Adsorption Interactions. <b>2020</b> , 20, 3199-3207	20
787	Hydrothermal synthesis of gold nanoparticles using spider cobweb as novel biomaterial: Application to photocatalytic. <b>2020</b> , 748, 137402	16
786	Combination of electrocoagulation and MOF adsorption systems for EBT removal from water. <b>2020</b> , 1-11	14
785	Valorisation of Agro-industrial Residues [Volume II: Non-Biological Approaches. <b>2020</b> ,	1
784	Adsorption of Reactive Blue-13, an Acidic Dye, from Aqueous Solution Using Magnetized Activated Carbon. <b>2020</b> , 65, 2220-2229	10
783	Synthesis of Chitosan-Silica Nanocomposite for Removal of Methyl Orange from Water: Composite Characterization and Adsorption Performance. <b>2020</b> , 745, 012084	0
782	Removal of Cadmium (II) from aqueous solution using tripolyphosphate cross-linked chitosan. <b>2020</b> , 8, 103842	12
781	Recent advances in functionalized polymer-based composite photocatalysts for wastewater treatment. <b>2020</b> , 39-64	2
780	Worldwide Research on Low Cost Technologies through Bibliometric Analysis. <b>2020</b> , 5, 9	6
779	Synthesis of Glutamic Acid Derived Organogels and their Applications in Dye Removal from Aqueous Medium. <b>2020</b> , 305, 1900809	33
778	Enhanced sorption capacity of a metal-dye system from water effluents by using activated industrial waste. <b>2019</b> , 80, 2284-2298	1



777	Nitrate/Nitrite determination in water and soil samples accompanied by in situ azo dye formation and its removal by superabsorbent cellulose hydrogel. <b>2020</b> , 2, 1	3
776	Cloud Point Extraction in Presence of Multi-walled Carbon Nanotubes for Removal of Direct Green 26 from Aqueous Solutions: Optimization by Box-Behnken Design and Desirability Functions. <b>2020</b> , 75, 802-811	
775	Magnetic $\beta$ -Cyclodextrin Nanosponges for Potential Application in the Removal of the Neonicotinoid Dinotefuran from Wastewater. <b>2020</b> , 21,	10
774	Adsorption of Metalworking Fluids in CSTR Reactor by Modified Sugarcane Bagasse with Aluminium Sulphate as Adsorbent. <b>2020</b> , 975, 94-99	
773	Development of recoverable magnetic mesoporous carbon adsorbent for removal of methyl blue and methyl orange from wastewater. <b>2020</b> , 8, 104220	37
772	Polymer based gels and their applications in remediation of dyes from textile effluents. <b>2020</b> , 57, 906-926	10
771	MWCNTs/Ag-ZnO nanocomposite for efficient photocatalytic degradation of congo red. <b>2020</b> , 34, 55-66	4
770	A study of nZVI DTPA induced degradation of selective organic pollutants by the help of ac conductivity measurement. <b>2020</b> , 14, 100296	1
769	What triggers dye adsorption by metal organic frameworks? The current perspectives. <b>2020</b> , 1, 1575-1601	61
768	Modified Nano-TiO <sub>2</sub> Based Composites for Environmental Photocatalytic Applications. <b>2020</b> , 10, 759	16
767	Poly(butyl methacrylate)-grafted alginate/Fe <sub>3</sub> O <sub>4</sub> nanocomposite: Synthesis and its application for removal of dyes. <b>2020</b> , 67, 2019-2031	2
766	An eco-friendly supramolecular hydrogel based-on [NaP <sub>5</sub> W <sub>30</sub> O <sub>110</sub> ] <sub>14</sub> as a giant inorganic cluster crosslinker: Green synthesis, characterization, and study of thermal and mechanical properties. <b>2020</b> , 1221, 128752	1
765	Analysis of the Effect of a Magnetic Field Applied to a Process of Adsorption of Water Contaminants Using Adsorbents of Different Magnetic Orderings. <b>2020</b> , 59, 13820-13830	0
764	Synthesis of mesoporous nickel-titanium-trimesic acid inorganic-organic hybrid composite in ionic liquid microemulsions for adsorption of rhodamine B from aqueous solution. <b>2020</b> , 10, 251-257	1
763	Surface chemistry-dependent activity and comparative investigation on the enhanced photocatalytic performance of graphitic carbon nitride modified with various nanocarbons. <b>2020</b> , 569, 12-21	10
762	Characterisation and utilisation of solid waste from coal combustion to modelling of sorption equilibrium in a bi-component system metal-dye. <b>2020</b> , 38, 567-575	
761	Removal of brilliant green (BG) from aqueous solution by using low cost biomass Salix alba leaves (SAL): thermodynamic and kinetic studies. <b>2020</b> , 10, 70-81	5
760	A novel, green, rapid, nonchemical route hydrothermal assisted biosynthesis of Ag nanomaterial by bluishwood berry extract and evaluation of its diverse applications. <b>2020</b> , 10, 3341-3351	4

759	A novel method for highly effective removal and determination of binary cationic dyes in aqueous media using a cotton/graphene oxide composite. <b>2020</b> , 10, 7791-7802	8
758	Magnetic BEA-type zeolites: preparation by dry-gel conversion method and assessment of dye removal performance. <b>2020</b> , 22, 375-382	0
757	Comprehensive systematic review and meta-analysis of dyes adsorption by carbon-based adsorbent materials: Classification and analysis of last decade studies. <b>2020</b> , 250, 126238	102
756	Improved Removal of Quinoline from Wastewater Using Coke Powder with Inorganic Ions. <b>2020</b> , 8, 156	3
755	Graphene quantum dot-based nanostructures for water treatment. <b>2020</b> , 193-215	0
754	Experimental and molecular dynamics study on dye removal from water by a graphene oxide-copper-metal organic framework nanocomposite. <b>2020</b> , 34, 101180	59
753	Removal of heavy metals from wastewater using agricultural byproducts. <b>2020</b> , 69, 99-112	76
752	Removal of heavy metal ions using a new high performance nanofiltration membrane modified with curcumin boehmite nanoparticles. <b>2020</b> , 390, 124546	57
751	Preparation and characterization of Chicory leaf powder and its application as a nano-native plant sorbent for removal of Acid Blue 25 from aqueous media: isotherm, kinetic and thermodynamic study of the adsorption phenomenon. <b>2020</b> , 10, 75-86	11
750	Development of a new low-cost adsorbent functionalized with iron nanoparticles for removal of metformin from contaminated water. <b>2020</b> , 247, 125852	17
749	Applications and impact of nanocellulose based adsorbents. <b>2020</b> , 27, 2967-2990	39
748	Copper removal from wastewater by a chitosan-based biodegradable composite. <b>2020</b> , 27, 28527-28535	12
747	Shapeable Aerogels of Metal-Organic-Frameworks Supported by Aramid Nanofibrils for Efficient Adsorption and Interception. <b>2020</b> , 12, 7295-7301	21
746	Rational design, synthesis, adsorption principles and applications of metal oxide adsorbents: a review. <b>2020</b> , 12, 4790-4815	126
745	Thermodynamics and kinetics of the removal of methylene blue from aqueous solution by raw kaolin. <b>2020</b> , 2, 1	4
744	A Fenton-Like Nanocatalyst Based on Easily Separated Magnetic Nanorings for Oxidation and Degradation of Dye Pollutant. <b>2020</b> , 13,	7
743	Optimization and genetic programming modeling of humic acid adsorption onto prepared activated carbon and modified by multi-wall carbon nanotubes. <b>2020</b> , 179, 114354	12
742	Oxidized Renewable Materials for the Removal of Cobalt(II) and Copper(II) from Aqueous Solution Using in Batch and Fixed-Bed Column Adsorption. <b>2020</b> , 2020, 1-17	5

741	Removal of anionic and cationic dyes from wastewater by adsorption using multiwall carbon nanotubes. <b>2020</b> , 13, 4797-4810	59
740	Membranes based on non-synthetic (natural) polymers for wastewater treatment. <b>2020</b> , 84, 106381	39
739	Metallic Active Sites on MoO(110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. <b>2020</b> , 23, 100861	53
738	Effective removal of Th <sup>4+</sup> , Pb <sup>2+</sup> , Cd <sup>2+</sup> , malachite green, methyl violet and methylene blue from their aqueous solution by amylopectin dialdehyde-Schiff base. <b>2020</b> , 8, 103741	9
737	Sugarcane molasses derived carbon sheet@sea sand composite for direct removal of methylene blue from textile wastewater: Industrial wastewater remediation through sustainable, greener, and scalable methodology. <b>2020</b> , 247, 116997	18
736	An Overview of the Water Remediation Potential of Nanomaterials and Their Ecotoxicological Impacts. <b>2020</b> , 12, 1150	26
735	Fe <sub>3</sub> O <sub>4</sub> @MOF Magnetic Nanocomposites: Synthesis and Applications. <b>2020</b> , 2020, 1916-1937	29
734	Removal of endocrine disruptors in waters by adsorption, membrane filtration and biodegradation. A review. <b>2020</b> , 18, 1113-1143	68
733	Design and cost analysis of batch adsorber systems for removal of dyes from contaminated groundwater using natural low-cost adsorbents. <b>2020</b> , 11, 101-110	6
732	Application of nanoparticles for inorganic water purification. <b>2020</b> , 221-243	2
731	Novel cationic polymer modified magnetic chitosan beads for efficient adsorption of heavy metals and dyes over a wide pH range. <b>2020</b> , 156, 289-301	48
730	One-dimensional mesoporous inorganic nanostructures and their applications in energy, sensor, catalysis and adsorption. <b>2020</b> , 113, 100671	39
729	A novel sustainable metal organic framework as the ultimate aqueous phase sensor for natural hazards: detection of nitrobenzene and F <sub>1</sub> at the ppb level and rapid and selective adsorption of methylene blue. <b>2020</b> , 22, 3891-3909	33
728	Visible light-driven BiOI/ZIF-8 heterostructure and photocatalytic adsorption synergistic degradation of BPA. <b>2020</b> , 46, 2951-2967	6
727	Removal of Organic Pollutants from Effluent of Anaerobic Digester Using Hydrochars Produced from Faecal Simulant and Sewage Sludge. <b>2020</b> , 231, 1	5
726	Removal of textile dyes from single and binary component systems by Persian bentonite and a mixed adsorbent of bentonite/charred dolomite. <b>2020</b> , 598, 124807	16
725	Adsorptive removal of cholesterol by biodegradable zein-graft- $\beta$ -cyclodextrin film. <b>2020</b> , 155, 293-304	4
724	Preparation of pore-size tunable activated carbon derived from waste coffee grounds for high adsorption capacities of organic dyes. <b>2020</b> , 8, 103929	24

723	Biomimic-Inspired and Recyclable Nanogel for Contamination Removal from Water and the Application in Treating Bleaching Effluents. <b>2020</b> , 59, 8622-8631	4
722	Green synthesis of Ag NPs on magnetic polyallylamine decorated g-CN by <i>Heracleum persicum</i> extract: efficient catalyst for reduction of dyes. <b>2020</b> , 10, 6579	29
721	Nylon-6/poly(propylene imine) dendrimer hybrid nanofibers: an effective adsorbent for the removal of anionic dyes. <b>2021</b> , 112, 444-454	4
720	Synthesis, characterization and an application of graphene oxide nanopowder: methylene blue adsorption and comparison between experimental data and literature data. <b>2021</b> , 42, 771-783	4
719	Synthesis of carbazole-based polymer derived N-enriched porous carbon for dyes sorption. <b>2021</b> , 78, 3311-3325	3
718	Green synthesis of Ag nanoparticles on the modified graphene oxide using <i>Capparis spinosa</i> fruit extract for catalytic reduction of organic dyes. <b>2021</b> , 123, 108327	11
717	Kinetic and thermodynamic studies of neutral dye removal from water using zirconium metal-organic framework analogues. <b>2021</b> , 258, 123924	19
716	Chitosan capped noble metal doped CeO nanomaterial: Synthesis, and their enhanced catalytic activities. <b>2021</b> , 166, 1258-1271	6
715	Elimination of organochlorine pesticides from water by a new activated carbon prepared from <i>Phoenix dactylifera</i> date stones. <b>2021</b> , 28, 10140-10154	4
714	Dyes and their removal technologies from wastewater: A critical review. <b>2021</b> , 127-160	4
713	Fungal bioremediation of toxic textile dye effluents. <b>2021</b> , 353-380	0
712	Natural Polysaccharide Based Graphene Oxide Nanocomposites for Removal of Dyes from Wastewater: A Review. <b>2021</b> , 66, 11-37	14
711	Swelling equilibria of novel propenamide/2-acrylamido-2-methyl-1-propanesulfonic acid/guar gum/clinoptilolite biohybrid hydrogels and application as a sorbent for BV1 removal. <b>2021</b> , 78, 3625-3649	3
710	A novel strategy for enhancing the performance of membranes for dyes separation: Embedding PAA@UiO-66-NH <sub>2</sub> between graphene oxide sheets. <b>2021</b> , 403, 126281	48
709	Endocrine-disrupting compounds: Occurrence, detection methods, effects and promising treatment pathways. A critical review. <b>2021</b> , 9, 104558	20
708	Photocatalytic Degradation of Mixed Dyes in Aqueous Phase by MgAlTi and ZnAlTi Mixed Oxides. <b>2021</b> , 64, 97-111	1
707	The efficiency of activated carbon/magnetite nanoparticles composites in copper removal: Industrial waste recovery, green synthesis, characterization, and adsorption-desorption studies. <b>2021</b> , 311, 110692	37
706	Preparation of antibacterial film-based biopolymer embedded with vanadium oxide nanoparticles using one-pot laser ablation. <b>2021</b> , 1225, 129163	17

705	Graphene oxide as a novel tool for mycotoxin removal. <b>2021</b> , 121, 107611	5
704	Batik became two sides of blade for the sustainable development in Indonesia. <b>2021</b> , 59-97	1
703	Adsorbable organic halogens in contaminated water environment: A review of sources and removal technologies. <b>2021</b> , 283, 124645	8
702	Synthesis of Novel Bio-based Urea-Urethane Aerogels In-Situ Impregnated with Catalytic Metallic Nanoparticles for the Removal of Methylene Blue and Congo Red from Wastewater. <b>2021</b> , 29, 1444-1459	1
701	Removal of crystal violet from aqueous solution using environment-friendly and water-resistance membrane based on polyvinyl/agar/maltodextrin. <b>2021</b> , 38, 3046-3052	
700	Biosorption performance and cell surface properties of a fungal-based sorbent in azo dye removal coupled with textile wastewater. <b>2021</b> , 18, 2545-2558	7
699	Methods of Reactive Red 141 Dye Decolorization, Treatment, and Removal from Industrial Wastewaters: A Critical Review. <b>2021</b> , 38, 577-591	3
698	Biocompatible porous boron nitride nano/microrods with ultrafast selective adsorption for dyes. <b>2021</b> , 9, 104797	11
697	The use and the performance of chemically treated artichoke leaves for textile industrial effluents treatment. <b>2021</b> , 31, 100597	10
696	Behaviors of cadmium in rhizosphere soils and its interaction with microbiome communities in phytoremediation. <b>2021</b> , 269, 128765	10
695	Adsorptive micellar flocculation (surfactant-based phase separation technique): Theory and applications. <b>2021</b> , 323, 115001	4
694	A review on modified sugarcane bagasse biosorbent for removal of dyes. <b>2021</b> , 268, 129309	49
693	Recovery of nutrients from sewage using zeolite-chitosan-biochar adsorbent: Current practices and perspectives. <b>2021</b> , 40, 101845	7
692	Experimental and theoretical study of dyes adsorption process on chitosan-based cryogel. <b>2021</b> , 169, 75-84	4
691	Two Anderson-type polyoxometalate-based hybrids constructed with different bis(pyrazine)-bis(amide) ligands: Efficient adsorption dyes and electrocatalytic activities. <b>2021</b> , 194, 114943	0
690	Microbial Electrochemical System: A Sustainable Approach for Mitigation of Toxic Dyes and Heavy Metals from Wastewater. <b>2021</b> , 25, 04020082	15
689	The advantages of clay mineral modification methods for enhancing adsorption efficiency in wastewater treatment: a review. <b>2021</b> , 28, 2572-2599	22
688	Aqueous Two-Phase Systems: An Alternative Process for Industrial Dye Recovery. <b>2021</b> , 35-55	0

687	Substitution of petroleum-based polymeric materials used in the electrospinning process with nanocellulose: A review and future outlook. <b>2021</b> , 269, 128710	6
686	Adsorption of synthetic and real Kinetic Hydrate Inhibitors (KHI) wastewaters on activated carbon: adsorption kinetics, isotherms, and optimized conditions. <b>2021</b> , 56, 2266-2277	1
685	Starch, cellulose, pectin, gum, alginate, chitin and chitosan derived (nano)materials for sustainable water treatment: A review. <b>2021</b> , 251, 116986	174
684	Removal of metal cations by diatomite treated with microemulsion. <b>2021</b> , 42, 206-213	2
683	Enhanced removal performance for Congo red by coal-series kaolin with acid treatment. <b>2021</b> , 42, 1472-1481	3
682	Laboratory research on asphalt mastic modified with activated carbon powder: rheology, micro-structure, and adhesion. <b>2021</b> , 22, 1424-1441	5
681	An overview on processing aspects and environmental applications of activated carbon fibers. <b>2021</b> , 253-264	
680	Carbonized jute agrowaste as a sustainable resource for wastewater treatment. <b>2021</b> , 67-94	
679	Bioremediation of organic dyes using plants. <b>2021</b> , 715-726	
678	Thermo-Kinetic Study of Adsorption of Methylene Blue in Aqueous Solutions Using Algerian Illite Natural and Activated Mineral Clay. 406, 348-363	
677	Hydroxyapatite as an advanced adsorbent for removal of heavy metal ions from water: Focus on its applications and limitations. <b>2021</b> , 46, 11029-11034	9
676	High-sorption terpyridine-graphene oxide hybrid for the efficient removal of heavy metal ions from wastewater. <b>2021</b> , 13, 10490-10499	4
675	Synthesis of Poly(cyclotriphosphazene-co-3,3'-sulfonyldianilide) Microspheres and Their Adsorption of Anionic (Congo Red) Dye. <b>2021</b> , 102, 231	1
674	Recent advances in metal-organic frameworks as adsorbent materials for hazardous dye molecules. <b>2021</b> , 50, 3083-3108	35
673	Recent advances on the removal of dyes from wastewater using various adsorbents: a critical review.	97
672	Biopolymer-based sorbents for emerging pollutants. <b>2021</b> , 463-491	2
671	Fe <sub>2</sub> O <sub>3</sub> -modified activated clay as Heterogeneous Catalyst for Fenton-like oxidation of the removal of methylene blue in wastewater. 632, 052103	
670	Advances and applications. <b>2021</b> , 33, 557-586	0

669	Preparation and Properties of Polyacrylamide/Sodium Alginate Hydrogel and the Effect of Fe Adsorption on Its Mechanical Performance. <b>2021</b> , 9, 1447-1462	4
668	Controllable synthesis of the defect-enriched MoO <sub>3</sub> nanosheets as an effective visible-light photocatalyst for the degradation of organic dyes. <b>2021</b> , 8, 2049-2058	3
667	Polymers in Wastewater Treatment. <b>2021</b> ,	
666	Pb(II) adsorption from aqueous solution by an aluminum-based metal organic framework/graphene oxide nanocomposite. <b>2021</b> , 2, 3051-3059	6
665	Dye Removal From Waste Water Using Metal Organic Frameworks. <b>2021</b> , 375-394	2
664	From Waste to Biosorbent: Removal of Congo Red from Water by Waste Wood Biomass. <b>2021</b> , 13, 279	12
663	An Anionic Indium-Organic Framework with Spirobifluorene-Based Ligand for Selective Adsorption of Organic Dyes. <b>2021</b> , 60, 1571-1578	14
662	Trypan blue removal from water with zein sorbents and laccase. <b>2021</b> , 3, 29	1
661	On the correlation between Raman spectra and structural properties of activated carbons derived by hyper-crosslinked polymers. <b>2021</b> , 47, 419-431	1
660	Introduction. <b>2021</b> , 1-12	
659	Tailoring Ultralight Hybrid Aerogels from Novel Porous Materials for the Removal of Dyes from Water. <b>2021</b> , 37-55	
658	Cloud Point Extraction of Direct Blue 71 Dye using Triton X-100 as Nonionic Surfactant. <b>2021</b> , 58, 27-32	1
657	An overview of geological originated materials as a trend for adsorption in wastewater treatment. <b>2021</b> , 101150	5
656	Chitosan/Gelatin Cryogels as Bio-Sorbents for Removal of Dyes from Aqueous Solutions. <b>2021</b> , 263-274	
655	The comparison of natural and magnetically modified zeolites as an adsorbent in methyl violet removal from aqueous solutions. 1-15	6
654	Recovery of Nanomaterials from Agricultural and Industrial Wastes for Water Treatment Applications. <b>2021</b> , 385-417	3
653	Kinetics, equilibrium and thermodynamics of dyes adsorption onto modified chitosan: a review. <b>2021</b> ,	4
652	Remediation of Emerging Contaminants. <b>2021</b> , 1-106	2



651	Magnetically separable (carbon) graphene oxide based nano-composites for water treatment. <b>2021</b> , 461-483	0
650	Environmental Mycobiototechnology in Special Reference to Fungal Bioremediation. <b>2021</b> , 361-383	1
649	Nanomaterials and Nanoprocesses for the Removal and Reuse of Heavy Metals. <b>2021</b> , 2649-2660	
648	Nanomaterials for adsorption of pollutants and heavy metals: Introduction, mechanism, and challenges. <b>2021</b> , 343-366	4
647	Photolysis of the BODIPY dye activated by pillar[5]arene.. <b>2021</b> , 11, 7454-7458	4
646	Decontamination of Anthraquinone Dyes Polluted Water Using Bioinspired Silica as a Sustainable Sorbent. 1	3
645	Preparation of Water-Resistant Supramolecular Compounds ( $\{[BHMTA]_2 [CdI_4]\}$ (1), $\{[BHMTA]_2 [Pb_2I_6]\}_n$ (2) and $\{[BHMTA]_2 [Mo_8O_{26}][H_3O^+]_2[H_2O]_3\}$ (3) (BHMTA = N-benzylhexamethylenetetramine bromide) and the Application in the Removal of Methylene Blue in Aqueous Solution. 1	
644	Green Silver Nanoparticles: Recent Trends and Technological Developments. <b>2021</b> , 29, 2711-2737	2
643	Preparation and Kinetic Studies of Cross-Linked Chitosan Beads Using Dual Crosslinkers of Tripolyphosphate and Epichlorohydrin for Adsorption of Methyl Orange. <b>2021</b> , 2021, 6648457	2
642	Equilibrium and kinetic studies of methylene blue biosorption by sugar palm dregs. <b>2021</b> , 653, 012026	
641	Utilization of a Newly Developed Nanomaterial Based on Loading of Biochar with Hematite for the Removal of Cadmium Ions from Aqueous Media. <b>2021</b> , 13, 2191	4
640	Prediction of lead (Pb) adsorption on attapulgate clay using the feasibility of data intelligence models. <b>2021</b> , 28, 31670-31688	8
639	Wollastonite (CaSiO <sub>3</sub> )-based Composite Particles for Synthetic Food Dyes (Brilliant Blue) Removal in Aquatic Media: Synthesis, Characterization and Kinetic study. <b>2021</b> , 1053, 012001	2
638	Mino-modified biomass for highly efficient removal of anionic dyes from aqueous solutions. <b>2021</b> , 119, 136-145	4
637	Synthesis of DMEA-Grafted Anion Exchange Membrane for Adsorptive Discharge of Methyl Orange from Wastewaters. <b>2021</b> , 11,	3
636	Cyclodextrin-epichlorohydrin polymers synthesis, characterization and applications to wastewater treatment: a review. <b>2021</b> , 19, 2383-2403	7
635	2D Correlation Spectroscopy (2DCoS) Analysis of Temperature-Dependent FTIR-ATR Spectra in Branched Polyethyleneimine/TEMPO-Oxidized Cellulose Nano-Fiber Xerogels. <b>2021</b> , 13,	4
634	Preparation and properties of polyphenylene sulfide/oxidized-polyphenylene sulfide composite membranes. <b>2021</b> , 160, 104842	3



633	Synthesis of activated carbon material using sawdust as precursor and its application for dye removal: batch study and optimization using response surface methodology. 1	1
632	Efficiency of natural clay and titania P25 composites in the decolouring of methylene blue (MB) from aqueous solutions: dual adsorption and photocatalytic processes. <b>2021</b> , 14, 1	3
631	Atık Sularda Boya Giderimi İçin Fonksiyonellenmiş Nanoselülöz Esaslı Adsorbanlar.	1
630	Preparation and Characterization of Sodium Alginate-Based Oxidized Multi-Walled Carbon Nanotubes Hydrogel Nanocomposite and its Adsorption Behaviour for Methylene Blue Dye. <b>2021</b> , 9, 576913	14
629	The Removal of Methylene Blue and Congo Red Dyes from Aqueous Solution by Using Sulfonated Carbon Derived Fishbone. <b>2021</b> , 1842, 012047	
628	Preparation of Carbon-Covered Phosphorus-Modified Alumina with Large Pore Size and Adsorption of Rhodamine B. <b>2021</b> , 11,	1
627	Fenton-like reaction-induced degradation of Methylene Blue by using supermacroporous ferrimagnetic nanorings. <b>2021</b> , 687, 012040	
626	Biosorption of Dye by Malt Bagasse in a Fixed-Bed Column: Experimental and Theoretical Breakthrough Curves. <b>2021</b> , 232, 1	3
625	Risk assessment and the adsorptive removal of some pesticides from synthetic wastewater: a review. <b>2021</b> , 10,	6
624	Adsorption properties of $\beta$ -cyclodextrin modified hydrogel for methylene blue. <b>2021</b> , 501, 108276	10
623	Barium/Cobalt@Polyethylene Glycol Nanocomposites for Dye Removal from Aqueous Solutions. <b>2021</b> , 13,	8
622	Chemical modification of betel nut husk prepared by sodium hydroxide for methylene blue adsorption. <b>2021</b> , 11, 1	3
621	Multicomponent transport model-based scaling up of long-term fixed bed adsorption of reactive dyes from textile effluent using aminated PAN beads. <b>2021</b> , 28, 43483-43506	1
620	Removal of cationic dye using polyvinyl alcohol membrane functionalized by D-glucose and agar. <b>2021</b> , 40, 101982	5
619	Controllable Preparation of Cu-MOF-Coated Carboxyl Filter Paper for Simultaneous Removal of Organic Dye and Metal Ions. <b>2021</b> , 60, 7311-7319	6
618	Ecofriendly and enhanced photocatalytic degradation of Indigo dye by graphene oxide nanoparticles. <b>2021</b> , 53, 1	1
617	Pure zeolite LTJ synthesis from kaolinite under hydrothermal conditions and its ammonium removal efficiency. <b>2021</b> , 318, 111006	3
616	Kinetics and thermodynamic studies of organic dyes removal on adsorbent developed from Viola tricolor extract and evaluation of their antioxidant activity. 1	1

615	Montmorillonite-Based Two-Dimensional Nanocomposites: Preparation and Applications. <b>2021</b> , 26,	5
614	Zeolite modification with cellulose nanofiber/magnetic nanoparticles for the elimination of reactive red 198. <b>2021</b> , 176, 342-351	6
613	Poly(acrylamide acrylic acid) grafted on steel slag as an efficient magnetic adsorbent for cationic and anionic dyes. <b>2021</b> , 9, 105126	20
612	Synthesis of novel Ag@ZIF-67 rhombic dodecahedron for enhanced adsorptive removal of antibiotic and organic dye. <b>2021</b> , 328, 115323	12
611	Sorption-spectrometric determination of nickel by monoammonium salt of glycirrizic acid. <b>2021</b> , 63-67	
610	Sustainable Removal of Contaminants by Biopolymers: A Novel Approach for Wastewater Treatment. Current State and Future Perspectives. <b>2021</b> , 9, 719	16
609	Treatment of Wastewaters with Zirconium Phosphate Based Materials: A Review on Efficient Systems for the Removal of Heavy Metal and Dye Water Pollutants. <b>2021</b> , 26,	9
608	Structural framework effect of various CeO <sub>2</sub> -loaded zeolites on the adsorptive removal of fipronil. <b>2021</b> , 9, 105167	8
607	Kinetic and Isothermal Investigations of Cost-Effective Sorptive Elimination of Gentian Violet Dye from Water Using Haplophragma adenophyllum Biowaste. <b>2021</b> , 2021, 1-12	3
606	Equilibrium and kinetics study of methyl violet adsorption by pineapple leaf fibers-cl-poly(acrylic acid-co-2-dimethyl amino ethyl acrylate) hydrogel. <b>2021</b> , 138, 50882	0
605	Effects of Carbonization on the Co-Activation of Sludge and Biomass to Produce Activated Coke. <b>2021</b> , 143,	3
604	Recent Advances in the Synthesis, Properties, and Applications of Modified Chitosan Derivatives: Challenges and Opportunities. <b>2021</b> , 379, 19	7
603	Biodegradation of azo dye-containing wastewater by activated sludge: a critical review. <b>2021</b> , 37, 101	5
602	Synthesis, Theoretical Treatment and Investigation of Adsorption of 4,4'-(1E,1E)-(Methylenebis(4,1-phenylene))bis(diazene-2,1-diyl)bis(naphthalen-1-ol) on Olive Peel. <b>2021</b> , 1879, 022058	
601	Production of lipopeptide biosurfactant by Kurthia gibsonii KH2 and their synergistic action in biodecolourisation of textile wastewater. <b>2021</b> , 22, 101533	5
600	Methylene Blue Dye Adsorption from Wastewater Using Hydroxyapatite/Gold Nanocomposite: Kinetic and Thermodynamics Studies. <b>2021</b> , 11,	8
599	Removal of Pb(II) from contaminated waters using cellulose sulfate/chitosan aerogel: Equilibrium, kinetics, and thermodynamic studies. <b>2021</b> , 286, 112167	10
598	Plasmonics-Enhanced UV Photocatalytic Water Purification. <b>2021</b> , 125, 9730-9735	1

597	Preparation of GO/MIL-101(Fe,Cu) composite and its adsorption mechanisms for phosphate in aqueous solution. <b>2021</b> , 28, 51391-51403	4
596	Dye Removal from Colored Textile Wastewater Using Seeds and Biochar of Barley ( <i>Hordeum vulgare</i> L.). <b>2021</b> , 11, 5125	5
595	Clay-Based Adsorbents for the Analysis of Dye Pollutants. <b>2021</b> , 163-197	0
594	Effective Removing of Remazol Black B by the Polyacrylamide Cryogels Modified with Polyethyleneimine. 1	0
593	Analysis of CO <sub>2</sub> Mass Transfer on Gas Absorption into Phase-Separated Gel. <b>2021</b> , 60, 8236-8243	0
592	Microwave treated Bermuda grass as a novel photocatalyst for the treatment of methylene blue dye from wastewater. <b>2021</b> , 15, 100447	4
591	Back-propagation neural network: BoxBehnken design modelling for optimization of copper adsorption on orange zest biochar. 1	5
590	Degradation of Congo red by UV photolysis of nitrate: Kinetics and degradation mechanism. <b>2021</b> , 262, 118276	3
589	Electrostatic Self-Assembly Synthesis of Three-Dimensional Mesoporous Lepidocrocite-Type Layered Sodium Titanate as a Superior Adsorbent for Selective Removal of Cationic Dyes via an Ion-Exchange Mechanism. <b>2021</b> , 37, 6080-6095	0
588	Characterization and molecular dynamic studies of chitosan-Iron complexes. <b>2021</b> , 44, 1	4
587	Efficient removal of reactive blue-19 dye by co-electrospun nanofibers. <b>2021</b> , 8, 055502	5
586	β-Cyclodextrin carbon-based nanoparticles with a core-shell structure for efficient adsorption of crystal violet and bisphenol A. <b>2021</b> , 62, 88-88	0
585	COMPREHENSIVE UTILIZATION OF PHOSPHOGYPSUM: ADSORPTION OF METHYLENE BLUE AND ITS APPLICATION IN BRICKS. <b>2021</b> , 28, 2150075	2
584	Extremophiles, a Nifty Tool to Face Environmental Pollution: From Exploitation of Metabolism to Genome Engineering. <b>2021</b> , 18,	5
583	The use of spent coffee grounds and spent green tea leaves for the removal of cationic dyes from aqueous solutions. <b>2021</b> , 11, 9584	3
582	Chitin nanofiber-based nanocomposites containing biodegradable polymers for food packaging applications. <b>2021</b> , 16, 237-246	3
581	Chitosan/Zeolite Composite Aerogels for a Fast and Effective Removal of Both Anionic and Cationic Dyes from Water. <b>2021</b> , 13,	2
580	Recent advances in synthesis and application of polymer nanocomposites for water and wastewater treatment. <b>2021</b> , 296, 126404	44

579	Enhanced adsorption removal of methyl orange from water by porous bimetallic Ni/Co MOF composite: a systematic study of adsorption kinetics. 1-16	8
578	The role of inorganic electrolyte (salt) in cellulosic fibre dyeing: Part 2 theories of how inorganic electrolyte promotes dye uptake.	1
577	Maxilon Blue 5G Removal by Bimetallic Pt/Co Loaded on GO Material under Ultrasonic Conditions from Aquatic Medium. 1362-1373	
576	A Study On the Zn(II) Separation Efficiency of Chemically Synthesized Hydroxyapatite (HAp) Particles.	
575	Polymeric Membrane with Nanomaterials for Water Purification: A Review. <b>2021</b> , 779, 012103	0
574	Estudo de caso da eficiência do filtro de carvão ativado granular para remoção de corantes haloacticos em amostras sintéticas. <b>2021</b> , 23, 590-607	
573	Equilibrium removal, isotherm and kinetic studies of chromium (VI) adsorption onto biopolymers from aqueous solution: A comparative study. <b>2021</b> , 49, 891-891	0
572	Raw pomegranate peel as promise efficient biosorbent for the removal of Basic Red 46 dye: equilibrium, kinetic, and thermodynamic studies. 1	2
571	Imide modification coupling with NH <sub>2</sub> -MIL-53(Fe) boosts the photocatalytic performance of graphitic carbon nitride for efficient water remediation. <b>2021</b> , 399, 192-200	5
570	Synthesis of Environmentally Friendly Rayon-Graphene Oxide Nano Composite for Decontamination of Water. <b>2021</b> , 6, 6671-6682	1
569	Nano-Porous-Silicon Powder as an Environmental Friend. <b>2021</b> , 14,	
568	Modification of cyclodextrin and use in environmental applications. <b>2021</b> , 1	6
567	Walnut bloom powder as a waste-based sorbent for cationic dyes removal: equilibrium, kinetic, and thermodynamic studies.	
566	Water purification using activated carbon prepared from agriculture waste: Overview of a recent development. 1	2
565	Coagulated Mineral Adsorbents for Dye Removal, and Their Process Intensification Using an Agitated Tubular Reactor (ATR). <b>2021</b> , 5, 35	2
564	Preparation of Silica Gel Obtained from Early Cretaceous Sidi Aich Sands (Central Tunisia) and its Potential to Remove Pollutant Dye Anionic from Wastwaters. 1	0
563	Investigation of peels as an efficient and low-cost adsorbent for the removal of safranin orange dye. <b>2021</b> , 1-15	9
562	Adsorptive batch and biological treatments of produced water: Recent progresses, challenges, and potentials. <b>2021</b> , 290, 112527	7

561	Facile fabrication of (2D/2D) MoS@MIL-88(Fe) interface-driven catalyst for efficient degradation of organic pollutants under visible light irradiation. <b>2021</b> , 414, 125522	28
560	Preparation of expanded graphite for malachite green dye removal from aqueous solution. <b>2021</b> , 166, 106190	4
559	Performance of oxalic acid-chitosan/alumina ceramic biocomposite for the adsorption of a reactive anionic azo dye. <b>2021</b> , 28, 67032-67052	2
558	Synthetic BiOBr/Bi <sub>2</sub> S <sub>3</sub> /CdS Crystalline Material and Its Degradation of Dye under Visible Light. <b>2021</b> , 11, 899	3
557	Pilot-Scale Study of Real Domestic Textile Wastewater Treatment Using Cassia fistula Seed-Derived Coagulant. <b>2021</b> , 2021, 1-8	2
556	Charge transfer complexation between some transition metal ions with azo Schiff base donor as a smart precursor for synthesis of nano oxides: An adsorption efficiency for treatment of Congo red dye in wastewater. <b>2021</b> , 117140	6
555	(Mart.) Solms (natural or carbonized) as biosorbent to remove pollutants in water. <b>2021</b> , 3, 750	1
554	Exfoliation of 2D materials by saponin in water: Aerogel adsorption / photodegradation organic dye. <b>2021</b> , 274, 129795	8
553	Synthesis, Characterization and Application of a Diatomite-Based Composite for the Adsorption of Anionic Dyes in Aqueous Solutions. <b>2021</b> , 15, 377-388	
552	CDs/ZnO composite material with solid state fluorescence performance for quantitative determination of methyl red content and antibacterial properties. <b>2021</b> , 104, 179-179	
551	Garcinia cambogia Assisted Synthesis of ZnO Nanoparticles Coupled with Chitosan for Antibacterial, Antibiofilm, Cytotoxic, Anticancer and Ecotoxicity Assessment. 1	1
550	Kinetics, process design and implementation of zwitterionic adsorbent coating for dipolar dyes removal in wastewater treatment industry. <b>2021</b> , 23, 101763	1
549	Selective adsorption and separation of organic dyes using functionalized cellulose nanocrystals. <b>2021</b> , 417, 129237	40
548	Synthesis of PANI@ZnO Hybrid Material and Evaluations in Adsorption of Congo Red and Methylene Blue Dyes: Structural Characterization and Adsorption Performance. 1	15
547	Removal of heavy metal ions form acidic electrolyte for stainless steel electropolishing via adsorption using Polish peats. <b>2021</b> , 42, 102169	5
546	Metal-organic framework based on Co and 4,4'-dimethylenebiphenyl diphosphonic acid as an efficient methylene blue adsorbent. <b>2021</b> , 104, 61-61	1
545	A Review of Adsorbents for Heavy Metal Decontamination: Growing Approach to Wastewater Treatment. <b>2021</b> , 14,	13
544	Recent Advances in Biopolymer-Based Dye Removal Technologies. <b>2021</b> , 26,	13

543	Gamma-ray initiated polymerization from polydopamine-modified MoS <sub>2</sub> nanosheets with poly (ionic liquid) and their utilization for adsorptive organic dyes with enhanced efficiency. <b>2021</b> , 7, 100134	0
542	Bibliometric analysis of global research on white rot fungi biotechnology for environmental application. <b>2021</b> , 1	2
541	Advances in decontamination of wastewater using biomass-based composites: A critical review. <b>2021</b> , 784, 147108	25
540	Preparation of activated carbon from waste cation exchange resin and its application in wastewater treatment. 1	1
539	Adsorptive performance of MWCNTs for simultaneous cationic and anionic dyes removal; kinetics, thermodynamics, and isotherm study. <b>2021</b> , 45, 1189-1200	1
538	A review on synthesis, characterisation and surface modification of magnetic nanoparticle and its composite for removal of heavy metals from wastewater. 1-16	1
537	Two new Cd/Co-based coordination polymers as photocatalysts for UV-light promoted dye degradation. <b>2021</b> , 525, 120457	
536	Factors Affecting Synthetic Dye Adsorption; Desorption Studies: A Review of Results from the Last Five Years (2017-2021). <b>2021</b> , 26,	23
535	Plasticized magnetic starch-based FeO clay polymer nanocomposites for phosphate adsorption from aqueous solution. <b>2021</b> , 7, e07973	0
534	Introduction of nitrogen doped graphene nanosheets as efficient adsorbents for nitrate removal from aqueous samples.. <b>2021</b> , 19, 1875-1886	1
533	Recyclable polyurethane foam loaded with carboxymethyl chitosan for adsorption of methylene blue. <b>2021</b> , 417, 126130	11
532	Dye Waste: A significant environmental hazard. <b>2021</b> ,	0
531	Microwave-assisted solvothermal synthesis of defective zirconium-organic framework as a recyclable nano-adsorbent with superior adsorption capacity for efficient removal of toxic organic dyes. <b>2021</b> , 100511	4
530	Physico-chemical and electrostatic surface characterisation of mica mineral and its applicability on the adsorption of Safranin Orange and Reactive Black 5 dyes. <b>2021</b> , 1-14	2
529	Comparison of the sorption capacity of basic, acid, direct and reactive dyes by compost in batch conditions. <b>2021</b> , 294, 113005	5
528	Current and Future Prospective of Lignin Derived Materials for the Removal of Toxic Dyes from Wastewater. <b>2021</b> , 11, 635-660	2
527	Egg White Cryogel for Removal of Methylene Blue from Aqueous Solution. <b>2021</b> , 8, 328-336	1
526	Citric acid functionalized cellulose monolith for continuous-flow removal of cationic dye in water.	

525	Increased C-phycoerythrin extract purity by flocculation of <i>Arthrospira platensis</i> with chitosan. <b>2021</b> , 58, 102393	4
524	Development of fibre reinforced engineered cementitious composite using polyvinyl alcohol fibre and activated carbon powder for 3D concrete printing. <b>2021</b> , 303, 124453	7
523	Adsorption of a cationic dye (Safranin) by artificial cationic resins Amberlite® IRC-50: Equilibrium, kinetic and thermodynamic study. <b>2021</b> , 35, 100756	6
522	Agar/maltodextrin/poly(vinyl alcohol) walled montmorillonite composites for removal of methylene blue from aqueous solutions. <b>2021</b> , 26, 101410	1
521	A magnetic graphene nanocomposite for efficient removal of methylene blue from wastewater. <b>2021</b> , 132, 108823	1
520	Application of a novel low-cost adsorbent functionalized with iron oxide nanoparticles for the removal of triclosan present in contaminated water. <b>2021</b> , 325, 111328	8
519	Silver nanoparticles supported on UiO-66 (Zr): As an efficient and recyclable heterogeneous catalyst and efficient adsorbent for removal of indigo carmine. <b>2021</b> , 626, 127089	12
518	Iron-doped hierarchically porous Fe-ZSM-5 zeolite with 3D continuous pore architecture for catalytic degradations. <b>2021</b> , 271, 124704	0
517	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. <b>2021</b> , 319, 128694	6
516	Imidazole-modified clinoptilolite as an efficient adsorbent for removal of 2, 4, 6- trichlorophenol: fabrication, characterization, kinetic and isotherm studies. <b>2021</b> , 169, 106561	3
515	Facile fabrication of polymeric quaternary ammonium salt hydrogel by radiation for dyes removal from aqueous solution. <b>2021</b> , 188, 109670	0
514	Preparation of lignin-based porous carbon as an efficient adsorbent for the removal of methylene blue. <b>2021</b> , 171, 113980	4
513	Superior selective adsorption of MgO with abundant oxygen vacancies to removal and recycle reactive dyes. <b>2021</b> , 275, 119236	10
512	Protocols for synthesis of nanomaterials, polymers, and green materials as adsorbents for water treatment technologies. <b>2021</b> , 24, 101821	118
511	Autonomous magnetic microbots for environmental remediation developed by organic waste derived carbon dots. <b>2021</b> , 297, 113322	1
510	Applications of chitin and chitosan based biomaterials for the adsorptive removal of textile dyes from water - A comprehensive review. <b>2021</b> , 273, 118604	23
509	Magnetic sulfur-doped carbons for mercury adsorption. <b>2021</b> , 603, 728-737	3
508	Green nanoparticles in water treatment: A review of research trends, applications, environmental aspects and large-scale production. <b>2021</b> , 16, 100526	7



507	Theoretical analysis of the removal mechanism of Crystal Violet and Acid Red 97 dyes on Agaricus bisporus residue. <b>2021</b> , 343, 117621	0
506	Mesoporous activated carbon as a green adsorbent for the removal of heavy metals and Congo red: Characterization, adsorption kinetics, and isotherm studies. <b>2021</b> , 243, 103869	15
505	Extraction and separation of heavy rare earth elements: A review. <b>2021</b> , 276, 119263	16
504	Simultaneous adsorptive removal of conventional and emerging contaminants in multi-component systems for wastewater remediation: A critical review. <b>2021</b> , 799, 149500	11
503	Large-scale production of $4\text{MoO}_3 \cdot 2\text{NH}_3 \cdot \text{H}_2\text{O}$ nanosheets through antisolvent crystallization for highly efficient removal of cationic dyes. <b>2021</b> , 279, 119784	
502	Adsorptive removal of organic pollutant methylene blue using polysaccharide-based composite hydrogels. <b>2022</b> , 286, 131890	6
501	CO <sub>2</sub> absorption and desorption using phase-separation gel. <b>2022</b> , 428, 131126	2
500	Adsorption of cationic dyes onto carrageenan and itaconic acid-based superabsorbent hydrogel: Synthesis, characterization and isotherm analysis. <b>2022</b> , 421, 126729	25
499	Polypyrrole/zeolite composite - A nanoadsorbent for reactive dyes removal from synthetic solution. <b>2022</b> , 287, 132164	10
498	A novel conductive rGO/ZnO/PSF membrane with superior water flux for electrocatalytic degradation of organic pollutants. <b>2022</b> , 641, 119901	5
497	Constructed wetland: a promising technology for the treatment of hazardous textile dyes and effluent. <b>2022</b> , 173-198	1
496	Synthesis and characterization of modified activated carbon (MgO/AC) for methylene blue adsorption: optimization, equilibrium isotherm and kinetic studies. <b>2021</b> , 83, 1548-1565	2
495	Comparative study of biochar prepared from cow dung and sewage sludge and its application as an adsorbent for organic pollutants removal in water. <b>2021</b> , 40, e13593	2
494	Removal of heavy metals by microbial communities. <b>2021</b> , 537-566	0
493	Multifunctionality of weak ferromagnetic porphyrin-based MOFs: selective adsorption in the liquid and gas phase. <b>2021</b> , 23, 4205-4213	
492	In Situ Growth Synthesis of the CNTs@AC Hybrid Material for Efficient Nitrate-Nitrogen Adsorption. <b>2021</b> , 6, 1612-1622	2
491	Dye removal kinetics and adsorption studies of activated carbon derived from the stems of Phyllanthus reticulatus. <b>2021</b> , 45, 7934-7938	8
490	Adsorption kinetics for the removal of harmful EBT dye by polyvinyl palmitate as effective adsorbents. <b>2021</b> , 46, 3756-3764	3



489	Ionic liquids and deep eutectic solvents for the recovery of phenolic compounds: effect of ionic liquids structure and process parameters.. <b>2021</b> , 11, 12398-12422	17
488	Hairy Roots as a Source for Phytoremediation. <b>2021</b> , 29-47	1
487	Application of Sustainable and Low-Cost Sludge-Based Adsorbents for Textile Dye Degradation. <b>2021</b> , 25-88	
486	Mechanochemical synthesis of adsorbents based on silicon oxycarbide composites. <b>2021</b> , 266, 02013	
485	Removal of sunset yellow FCF from aqueous solutions using a highly cross-linked PDMA star polymer. <b>2021</b> , 30, 257-268	1
484	Simultaneous Removal of Cationic and Anionic Dyes from Binary Solutions Using Carboxymethyl Chitosan Based IPN Type Resin. <b>2021</b> , 29, 1963-1977	1
483	Photocatalytic Performance of the MOF-Coating Layer on SPR-Excited Ag Nanowires. <b>2021</b> , 6, 2882-2889	4
482	Chitosan Nanoparticles: An Overview on Preparation, Characterization and Biomedical Applications. <b>2021</b> , 393-427	1
481	Synthesis and Characterization of Cobalt Metal Organic Frameworks Prepared by Ultrasonic Wave-Assisted Ball Milling for Adsorptive Removal of Congo Red Dye from Aqueous Solutions. <b>2021</b> , 31, 1231-1240	1
480	Natural polysaccharides as potential biosorbents for heavy metal removal. <b>2021</b> , 627-665	3
479	Cassava stem cellulose (CSC) Nanocrystal for optimal methylene Blue Bio sorption with response surface design. <b>2021</b> , 4, 100067	3
478	Trichoderma Biomass as an Alternative for Removal of Congo Red and Malachite Green Industrial Dyes. <b>2021</b> , 11, 448	7
477	One-Pot Synthetic Approach for Magnetically Separable Graphene Nanocomposite for Dye Degradation. <b>2020</b> , 5, 1516-1525	13
476	The Utilization of Cherry Wood Sawdust for Heavy Metals Removal from Wastewaters. <b>2020</b> , 58-65	1
475	Production of Activated Carbon from Agro-industrial Wastes and Its Potential Use for Removal of Heavy Metal in Textile Industrial Wastewater. <b>2020</b> , 127-144	1
474	A Review on Pharmaceutical Removal from Aquatic Media by Adsorption: Understanding the Influential Parameters and Novel Adsorbents. <b>2020</b> , 207-265	7
473	Remediation of Dyes from Industrial Wastewater Using Low-Cost Adsorbents. <b>2021</b> , 377-403	10
472	Microbial Decolorization of Triphenylmethane Dyes. <b>2015</b> , 169-186	3

471	Lichens as an Alternative Biosorbent: A Review. <b>2015</b> , 233-241	2
470	Chitosan: From Organic Pollutants to High-Value Polymeric Materials. <b>2017</b> , 251-264	1
469	Dyes Environmental Impact and Remediation. <b>2012</b> , 111-162	129
468	Microbial Decolorization of Colored Industrial Effluents. <b>2012</b> , 787-813	2
467	Green Synthesis of Magnetic Iron Nanoparticle Using Moringa oleifera Lam Seeds and Its Application in Textile Effluent Treatment. <b>2018</b> , 315-324	4
466	Removal of Dyes from Industrial Effluents by Application of Combined Biological and Physicochemical Treatment Approaches. <b>2020</b> , 365-407	2
465	Functionalized halloysite nanotubes: an Ecofriendly Nanomaterial in environmental industry. <b>2020</b> , 417-433	5
464	Ce(III) networked chitosan/ $\beta$ -cyclodextrin beads for the selective removal of toxic dye molecules: Adsorption performance and mechanism. <b>2020</b> , 1, 100018	4
463	Ice- and MOF-templated porous carbonaceous monoliths for adsorptive removal of dyes in water with easy recycling. <b>2020</b> , 186, 109608	9
462	Functionalized ceramic nanofilter for wastewater treatment by coupling membrane separation and catalytic ozonation. <b>2020</b> , 8, 104043	7
461	Recent advances in the treatment of dye-containing wastewater from textile industries: Overview and perspectives. <b>2020</b> , 143, 138-163	164
460	CHAPTER 4:Natural Polysaccharides as Treatment Agents for Wastewater. <b>2013</b> , 51-81	9
459	Regenerative nanobots based on magnetic layered double hydroxide for azo dye removal and degradation. <b>2017</b> , 53, 10456-10458	13
458	Multi-charged macrocycles as a platform for rapid and broad spectral photodecomposition of aromatic dyes. <b>2020</b> , 56, 7187-7190	4
457	Adsorption properties of graphite oxide for Rhodamine B. <b>2019</b> , 14, 1192-1197	5
456	Adsorption of natural annatto dye by kaolin: kinetic and equilibrium. <b>2020</b> , 41, 2648-2656	4
455	The Utilization of Waste Date Seed as Bio-Oil and Activated Carbon by Pyrolysis Process. <b>2012</b> , 4, 316806	10
454	Dyes Contamination in the Environment. <b>2017</b> , 127-176	1

453	Vermiculite-based catalyts for oxidation of organic pollutants in water and wastewater. <b>2013</b> , 341-352	4
452	Computational identification and analysis of the key biosorbent characteristics for the biosorption process of reactive black 5 onto fungal biomass. <b>2012</b> , 7, e33551	15
451	Application of geopolymers synthesized from incinerated municipal solid waste ashes for the removal of cationic dye from water. <b>2020</b> , 15, e0239095	2
450	Sorption dynamics of Direct Orange 26 dye onto a corncob plant sorbent. <b>2016</b> , 23, 175-185	3
449	Progress and perspectives for the use of pillared clays as adsorbents for organic compounds in aqueous solution. <b>2019</b> ,	7
448	Biodegradation and decolorization of textile dyes by bacterial strains: a biological approach for wastewater treatment. <b>2020</b> ,	9
447	Comparison of Reactive Blue 203 Dye Removal Using Ultraviolet Irradiation, Ferrate (VI) Oxidation Process and MgO Nanoparticles. <b>2018</b> , 5, 78-90	4
446	Utilization of Punica granatum peel as an eco-friendly biosorbent for the removal of methylene blue dye from aqueous solution. <b>2018</b> , 5,	9
445	Bioremediation of azo dyes using biogenic iron nanoparticles. <b>2019</b> , 7,	5
444	Adsorptive/desorptive potential of cationic basic yellow 28 (by28) dyes onto natural untreated clay from aqueous phase. <b>2018</b> , 2,	1
443	Flower wastes as a low-cost adsorbent for the removal of acid blue 9. <b>2014</b> , 81, 132	9
442	Removal of Methylene Blue Dye Pollutant from Aqueous Solution Using Sugar Cane Bark and Chaff Biomass. 69, 49-57	1
441	Adsorption of Basic and Acidic Dyes onto Agricultural Wastes. 70, 12-26	6
440	Adsorption and Equilibrium Studies on the Removal of Methyl Red from Aqueous Solution Using White Potato Peel Powder. 72, 52-64	8
439	Photocatalytic Degradation of a Basic Dye Using Zinc Oxide Nanocatalyst. 81, 18-26	12
438	The Investigation of Thermodynamics Parameters and Adsorption Kinetic of The Maxilon Blue 5G Dye on Turkey Green Clay. 749-758	2
437	Microcrystalline Cellulose from Groundnut Shell as Potential Adsorbent of Crystal Violet and Methylene Blue. Kinetics, Isotherms and Thermodynamic Studies. <b>2020</b> , 14, 563-571	1
436	Remediation of Nickel ion from wastewater by applying various techniques: a review. <b>2019</b> , 3, 1-15	11

435	Using of wooden sawdust for copper removal from waters. <b>2019</b> , 18, 66-71	2
434	Enhancing Acidic Dye Adsorption by Updated Version of UiO-66. <b>2020</b> , 1, 54-62	3
433	Removal of Brilliant Blue R from Aqueous Solutions on Activated Carbon Produced from Carbonaceous Substrate. <b>2009</b> , 46, 205-213	5
432	Adsorption Studies of Basic Green 4 from Aqueous Solution on Ca <sup>2+</sup> Exchanged Clay. <b>2011</b> , 48, 366-374	1
431	Adsorbentų naudojimo paviršius nuotekoms valyti, apvalga. <b>2011</b> , 1, 7-10	1
430	Bioadsorption of Arsenic by Prepared and Commercial Crab Shell Chitosan. <b>2008</b> , 8, 160-165	11
429	Biosorption of Copper by Bacterial Adsorbents: A Review. <b>2015</b> , 9, 45-58	14
428	Adsorption Behavior of Reactive Blue 29 Dye on Modified Nanoclay. <b>2014</b> , 9, 303-311	6
427	Predicting Adsorption Behavior in Engineered Floodplain Filtration System Using Backpropagation Neural Networks. <b>2012</b> , 179-194	1
426	Biosorption of Dye Molecules. <b>2016</b> , 51-74	5
425	Removal of Dyes From Wastewater by Adsorption Onto Low-Cost Adsorbents. <b>2020</b> , 239-257	2
424	Efficient Removal of Reactive Orange 107 Dye from Aqueous Media by Shrimp Shell Derived Chitosan Functionalized Magnetic Nanoparticles. <b>2018</b> , 09, 633-653	2
423	Assessment of Surfactant Modified Activated Carbon for Improving Water Quality. <b>2019</b> , 09, 13-34	2
422	Equilibrium, Kinetic and Thermodynamics Studies of Adsorption of Aniline Blue from Aqueous Media Using Steam-Activated Carbon Prepared from <i>Delonix regia</i> ; Pod. <b>2015</b> , 07, 1221-1233	7
421	Modification of the Surface Properties of Core-Shell Semiconductors and Their Effects on the Photodecolorization Activity and Adsorption. <b>2017</b> , 06, 65-72	1
420	Application of surface modified sericite to remove anionic dye from an aqueous solution. <b>2017</b> , 22, 312-319	9
419	Cationic Dye (Methylene Blue) Removal from Aqueous Solution by Montmorillonite. <b>2012</b> , 33, 3184-3190	77
418	Treatment of Real Textile Wastewater by Using Potassium Ferrate(VI) and Fe(III)/H <sub>2</sub> O <sub>2</sub> . Application of <i>Aliivibrio Fischeri</i> and <i>Brachionus plicatilis</i> Tests for Toxicity Assessment. <b>2019</b> , 27, 78-84	7

4 <sup>17</sup>	Capacity of Activated Carbon Derived from Agricultural Waste in the Removal of Reactive Dyes from Aqueous Solutions. <b>2010</b> , 11, 169-175	3
4 <sup>16</sup>	Effective TiO <sub>2</sub> -Sulfonated Carbon-derived from Eichhornia crassipes in The Removal of Methylene Blue and Congo Red Dyes from Aqueous Solution. <b>2020</b> , 15, 476-489	4
4 <sup>15</sup>	Sorption of bisphenol A from aqueous solutions using natural adsorbents: isotherm, kinetic and effect of temperature. <b>2021</b> , 314, 07003	
4 <sup>14</sup>	Research on the Removal of Methylene Blue from Water by Low-Cost Adsorbents: A Review. <b>2021</b> , 11, 920-925	0
4 <sup>13</sup>	Separation of PET and PS from PET / PS / PP plastic mixture and their use in synthesis of composite floating sorbent materials for dyes removal.	1
4 <sup>12</sup>	Synthesis of new Zn-decorated metal-organic frameworks for enhanced removal of carcinogenic textile dye: equilibrium and kinetic modeling studies. <b>2021</b> , 56, 1296-1305	1
4 <sup>11</sup>	Use of red mud activated at different temperatures as a low cost adsorbent of reactive dye.	
4 <sup>10</sup>	A review on adsorbent parameters for removal of dye products from industrial wastewater.	3
4 <sup>09</sup>	Progresses and expansions of chitosan-graphene oxide hybrid networks utilizing as adsorbents and their organic dye removal performances: A short review. 1121-1136	1
4 <sup>08</sup>	Adsorption, Equilibrium Isotherm, and Thermodynamic Studies towards the Removal of Reactive Orange 16 Dye Using Cu(I)-Polyaniline Composite. <b>2021</b> , 13,	4
4 <sup>07</sup>	Photocatalytic-Sorption Processes for the Removal of Pollutants from Wastewater using Polymer Metal Oxide Nanocomposites and Associated Environmental Risks. <b>2021</b> , 100596	2
4 <sup>06</sup>	A systematic review on iron-based nanoparticle-mediated clean-up of textile dyes: challenges and prospects of scale-up technologies. <b>2021</b> , 29, 312	1
4 <sup>05</sup>	Cross-Linked Polymer-Based Adsorbents and Membranes for Dye Removal. <b>2022</b> , 263-289	0
4 <sup>04</sup>	Adsorption Behavior of Methylene Blue Dye by Novel CrossLinked -CM-Chitosan Hydrogel in Aqueous Solution: Kinetics, Isotherm and Thermodynamics. <b>2021</b> , 13,	9
4 <sup>03</sup>	Novel NbCo-MOF as an advanced peroxymonosulfate catalyst for organic pollutants removal: Growth, performance and mechanism study. <b>2021</b> , 132600	9
4 <sup>02</sup>	Study on Adsorbent Characteristics of Coconut Coir as a Bio Sorbent for Removal of Methylene Blue Dye. <b>2021</b> , 399, 2100082	
4 <sup>01</sup>	Adsorption of chromium(VI) and crystal violet onto granular biopolymer-silica pillared clay composites from aqueous solutions. <b>2021</b> , 344, 117822	4
4 <sup>00</sup>	Evaluation of Carbonaceous Material Produced from Fireproofed Cotton and Its Adsorption of Methylene Blue. <b>2012</b> , 10, 374-378	1

- 399 Effects of Manufacturing Conditions on the Adsorption Capacity of Dioxin-like Polychlorinated Biphenyl by Bamboo Charcoal and Activated Carbon. **2012**, 22, 9-14
- 398 Adsorption of Non-degradable Eosin Y by Activated Carbon. **2012**, 21, 623-631 12
- 397 CHAPTER 10:Remediation of Dye Containing Wastewater Using Viable Algal Biomass. **2013**, 212-228 2
- 396 Diseño Box-Behnken para la optimización de la adsorción del colorante azul índigo sobre residuos de flores. **2013**, 9, 75-91 5
- 395 Removal of Methylene Blue Using UV-C Pretreated *Citrobacter freundii* JH 11-2 and *Bacillus pseudomycooides* JH 2-2 Biomass. **2014**, 19, 38-43
- 394 Adsorption equilibria of anionic dyes eosin yellow and reactive blue 4 on amino-containing ormosils. **2015**, 6, 504-519 1
- 393 Introduction. **2016**, 1-5
- 392 Bioparticle Development in Constructed Wetland for Domestic Wastewater. **2017**, 155-176
- 391 Application of Marine Polymers in Dye and Textile Industries. **2017**, 577-589
- 390 Immobilized Nanoparticles on Polymeric Carriers for Removal of Reactive Textile Dyes in Aqueous Media. **2017**, 38, 412-418
- 389 Evaluation of the Toxicity of Azo Dyes by *Allium cepa* and Study to Remove These Compounds in Aqueous Solution by *Saccharomyces cerevisiae*. **2018**, 297-309
- 388 Adsorption kinetics and isotherm of methylene blue by thermally treated alum-based water treatment plant sludge. **2017**, 4, 89-93
- 387 Treatment of Effluent from Pharmaceutical Industry Using Calcium Oxide Obtained from Eggshells. **2018**, 327-343 1
- 386 Monotropik Jelleştirme ile Hazırlanan Kitosan Nanopartiküllerin Anyonik Boyaların Uzaklaştırılmasında Kullanılmasına ve Depolanma Etkinliğinin Araştırılması
- 385 Equilibrium and Isotherm Modeling of Toxic dye Adsorption onto Modified Apricot Stone. **2018**, 1,
- 384 Improving the Hydrophilicity of Polysulfone Membrane by the Addition of Imidazol with Polyvinyl Pyrrolidone for Crystal Violet Dye Removal. **2019**, 395-407
- 383 Biosorption of methylene blue and acid red 88 from wastewater by using peanut shell. **2018**, 2, 56-62 0
- 382 Adsorption Behavior Of Methylene Blue Dye Using Carob Powder as Eco-Friendly New Adsorbent For Cleaning Wastewater: Optimization By Response Surface Methodology.

- 381 Cross-linked polysaccharide konjac glucomannan: synthesis, characterization and phenol adsorption. **2018**, 40, 184-189 1
- 380 Subprodutos do babaçã (Orbignya sp) como novos materiais adsortivos: uma revisão. **2019**, 24, 1-10 0
- 379 Nanopolysaccharides in Environmental Treatments. **2019**, 255-282 0
- 378 Avanço das pesquisas envolvendo Aspergillus niger e babaçã da cana-de-açúcar como fonte de carbono visando a produção de celulases: Uma análise bibliométrica. **2019**, 24, 1-10 0
- 377 Remediation of Water Contaminants. **2019**, 373-391 2
- 376 Adsorption Study of Acid Red 114 and Basic Blue 3 on Sunflower Stalk. **2019**, 11, 68-81 1
- 375 Efektifitasinya dalam Menyerap Zat Beracun dari Limbah Cair Industri Kulit Kayu Gmelir (Gmelir Yâesinde Bulunan Linyit Kâhâlerine Fizikokimyasal Denemeler Uygulanarak Elde Edilen Adsorbent ile Boyar Madde Gideriminin Arařtırılması) **2019**, 207-226 1
- 374 Removal of Acid Red 27, Reactive Black 5 and Acid Green 16 from Aqueous Solutions using Potassium Ferrate(VI). **2019**, 27, 71-75 1
- 373 Comparative and Kinetics Studies of Organo-Nano-Kaolin Clay And Organo-Nano-Bentonite Clay as the Adsorbents for the Reduction of Chromium (VI) from Tannery Effluent. **2020**, 31-42 0
- 372 Evolution of ZnO-Based Photocatalyst for the Degradation of Pollutants. **2020**, 109-139 1
- 371 Photocatalytic Activity of the Modified Coupled Semiconductors and Its Relationship with Surface Properties. **2019**, 9, 337-343 1
- 370 Adsorption of Aniline Blue from Aqueous Solution Using Litchi chinensis Peel: Kinetic and Equilibrium Studies. **2019**, 12, 235-241 0
- 369 Novel Techniques of Synthesis of Nanocellulose from Sugarcane Bagasse and Its Applications in Dye Removal. **2020**, 79-85 0
- 368 Nanotechnology-Based Nano-Biosorbents. **2020**, 386-408 0
- 367 USE OF THE WALNUT SHELL (JUGLANS REGIA) AS A SORPTION MATERIAL TO REMOVE POLLUTANTS FROM NATURAL AND WASTE WATER. **2020**, 5-18 0
- 366 PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON FROM ALMOND SHELL BY MICROWAVE-ASSISTED USING ZnCl<sub>2</sub> ACTIVATOR. **2020**, 1-10 0
- 365 DOĞAL VE AKTİVE EDİLEN AM TALANCI SUCUL ZELTĐEN ADSORPSYONLA BAZIK SARI 28 GĐERĐMĐ 746-759 **2020**, 746-759 2
- 364 Development of Three-Dimensional Nickel-Cobalt Oxide Nanoflowers for Superior Photocatalytic Degradation of Food Colorant Dyes: Catalyst Properties and Reaction Kinetic Study. **2021**, 37, 12929-12939 0

- 363 Dyestuffs from textile industry wastewaters: Trends and gaps in the use of biofloculants. **2021**, 111, 181-181 2
- 362 Hybrid Bioreactors for Dye Biodegradation. **2022**, 263-285
- 361 Carbon nanotube incorporated eucalyptus derived activated carbon-based novel adsorbent for efficient removal of methylene blue and eosin yellow dyes. *Bioresource Technology*, **2022**, 344, 126231 11 8
- 360 Adsorption of Phenol in Wastewater Using Nano Grapheme Oxide-Chitosan-Bentonite Adsorbent. **2020**, 11, 368-380
- 359 Graphene-based photocatalysts for organic pollutant removal from waste-water: recent progress and future challenges. **2021**, 10, 322-340 1
- 358 Use of spent oil shale to remove methyl red dye from aqueous solutions. **2020**, 7, 338-353 2
- 357 Bioremediation of synthetic dyes: Dye decolorizing peroxidases (DyPs). **2020**, 453-486 1
- 356 Biochars issus de roseau commun pour l'adsorption du méthylorange en solution aqueuse. **2020**, 32, 349
- 355 Nanomaterials and Nanoprocesses for the Removal and Reuse of Heavy Metals. **2020**, 1-12
- 354 Synthesis and Characterization of Chitosan-Alginate-Based Cross-linked Copolymer for the Effective Removal of Methylene Blue from Its Aqueous Solution. **2021**, 232, 1 0
- 353 Natural clays as effective sorbents of anthropogenic pollutants. **2021**, 885, 012060
- 352 Insights into Recent Advances of Chitosan-Based Adsorbents for Sustainable Removal of Heavy Metals and Anions. **2021**, 103543 25
- 351 The mechanism of degradation of alizarin red by a white-rot fungus *Trametes gibbosa*. **2021**, 21, 64 2
- 350 Decolorization of Congo Red Using Synthesized Titanate Nanotubes (TNTs). **2021**, 57-67
- 349 Interactions of Cationic and Anionic Dyes with Activated Carbons. **2020**, 18, 269-274 2
- 348 Biochar-Based Adsorbents for the Removal of Organic Pollutants from Aqueous Systems. **2020**, 147-174
- 347 Characteristics and Adsorptive Treatment of Wastewaters Containing Dyes. **2021**, 273-311 2
- 346 VERMICOMPOST AS A POTENTIAL ADSORBENT FOR THE ADSORPTION OF METHYLENEBLUE DYE FROM AQUEOUS SOLUTIONS. 893-902 3



345	Optimization of methylene blue degradation by <i>Aspergillus terreus</i> YESM 3 using response surface methodology. <b>2020</b> , 82, 2007-2018	1
344	Unconventional Adsorbents for Remediation of Metal Pollution in Waters. <b>2021</b> , 123-146	
343	Recent advances in dye and metal ion removal using efficient adsorbents and novel nano-based materials: an overview.. <b>2021</b> , 11, 36528-36553	18
342	Dye adsorptive thin-film composite membrane with magnetite decorated sulfonated graphene oxide for efficient dye/salt mixture separation. <b>2022</b> , 524, 115462	4
341	Recent Approaches in the Preparation of Various Biosorbents. <b>2022</b> , 79-101	1
340	Trimethylamine Adsorption Mechanism on Activated Carbon and Removal in Water and Oyster Proteolytic Solution. <b>2021</b> , 20, 1578-1586	
339	Construction of novel regenerated cellulose based foam derived from waste cigarette filters as effective oil adsorbent. 51900	1
338	Preparation of Palm Oil Industry Biomass-Based Graphene Composite for the Adsorptive Removal of Methylene Blue. <b>2021</b> , 2021, 1-11	1
337	Direct grafting of cellulose nanocrystals with poly(ionic liquids) via Gamma-ray irradiation and their utilization for adsorptive removal of CR. <b>2021</b> ,	1
336	Ultrasonic-Assisted Removal of Eriochrome Black T onto Vermicompost: Characterization, Isotherm and Kinetic Modelling. 1251-1262	
335	Novel green adsorbents for removal of aniline from industrial effluents: A review. <b>2021</b> , 345, 118167	3
334	Synthesis and application of perovskite nanoparticles for the adsorption of ketoprofen and fenoprofen in wastewater for sustainable water management. <b>2021</b> , 118232	0
333	Induced absorption spectra of crystal violet at various solvents. <b>2021</b> ,	
332	Applications of 1D Mesoporous Inorganic Nanomaterials as Adsorbents. <b>2022</b> , 183-187	
331	Sono-assisted rapid dye removal by chromium-based metal organic frameworks derived from waste PET bottles: Characterization, kinetics and adsorption isotherms. <b>2021</b> , 9, 106766	3
330	Enhanced activation of peroxydisulfate by bimetallic spinel sulfides CoNi <sub>2</sub> S <sub>4</sub> for organic dye degradation. <b>2021</b> , 9, 106889	0
329	Synthesis, Characterization, Photocatalytic and Photovoltaic Applications of a Novel Semiconductor CuPbO Nanomaterial. <b>2021</b> , 34, 127-132	0
328	Preparation and characterization of magnetic activated carbon as non-hemolytic material. <b>2021</b> ,	

327	Kinetics, equilibrium and thermodynamics of dyes adsorption onto modified chitosan: a review. <b>2021</b> , 235, 1499-1538	2
326	Cost Estimations of Water Pollution for the Adoption of Suitable Water Treatment Technology. <b>2022</b> , 14, 649	4
325	Synthesis and Characterization of Novel Uracil-Modified Chitosan as a Promising Adsorbent for Efficient Removal of Congo Red Dye.. <b>2022</b> , 14,	5
324	Adsorption kinetics of simulated mixture wastewaters over porous Bi <sub>2</sub> MoO <sub>6</sub> @BiOCl@MOF-199 heterostructure. <b>2022</b> , 307, 122835	2
323	The integration of Triazine-based porous organic polymer with bio-waste poplar catkin as water-floatable photocatalyst. <b>2022</b> , 581, 152409	1
322	A short review of titania-graphene oxide based composites as a photocatalysts. <b>2021</b> , 10, 51-60	1
321	Sulu Zeltillerden Organik Boyaların Giderimi İçin Sellülöz Nanokristal Katkı Aljinat Adsorbanın Geliştirilmesi Ve Boya Giderim Veriminin Araştırılması	0
320	Preparation and Characterization of a Novel Chemically Crosslinked Chitosane-g-Polyacrylamide Hydrogel as a Promising Adsorbent for the Removal of Methylene Blue from Aqueous Solutions. <b>2021</b> , 63, 853-865	0
319	Novel Composite Films Based on Acrylic Fibers Waste/Nano-chitosan for Congo Red Adsorption. 1	0
318	Potential efficiency of macroalgae Cladophora sp. to remove toxic industrial dye (safranin O) from aqueous solution. <b>2022</b> ,	1
317	Nanosilica Entrapped Alginate Beads for the Purification of Groundwater Contaminated with Bacteria. 1	
316	A simple and highly efficient composite based on g-C <sub>3</sub> N <sub>4</sub> for super rapid removal of multiple organic dyes from water under sunlight. <b>2022</b> , 12, 786-798	0
315	Novel 2D Nanomaterial Composites Photocatalysts: Application in Degradation of Water Contaminants. <b>2022</b> , 75-96	2
314	Sawdust-biomass based materials for sequestration of organic/inorganic pollutants and potential for engineering applications. <b>2022</b> , 100274	4
313	The Application of Response Surface Methodology for 2,4,6-Trichlorophenol Removal from Aqueous Solution Using Synthesized Zn <sup>2+</sup> -Al <sup>3+</sup> -Tartrate Layered Double Hydroxides. <b>2022</b> , 10, 282	0
312	Bio-Inspired Materials for Environmental Remediation. <b>2022</b> , 1	
311	Potential applications of spent adsorbents and catalysts: Re-valorization of waste.. <b>2022</b> , 823, 153370	1
310	Copper-based metal-organic framework for environmental applications. <b>2022</b> , 701-717	2

309	Exploration of hydrogen-bonded organic framework (HOF) as highly efficient adsorbent for rhodamine B and methyl orange. <b>2022</b> , 330, 111624	2
308	Efficient and sustainable photocatalytic degradation of dye in wastewater with porous and recyclable wood foam@V2O5 photocatalysts. <b>2022</b> , 332, 130054	1
307	Removal of Ionic Dyes by Nanofiber Membrane Functionalized with Chitosan and Egg White Proteins: Membrane Preparation and Adsorption Efficiency.. <b>2022</b> , 12,	8
306	Biochar from oil cakes: an efficient and economical adsorbent for the removal of acid dyes from wool dye house effluent. 1	0
305	Modification of glycidyl methacrylate based cryogels by cellulose nanocrystals and determination of dye adsorption performance. <b>2022</b> , 29, 1623	1
304	Metal-Organic-Framework based Catalytic Micromotor for Enhanced Water Decontamination. <b>2022</b> , 7,	2
303	Review of recent developments in electrochemical advanced oxidation processes: application to remove dyes, pharmaceuticals, and pesticides.	0
302	Comparative profile of green and chemically synthesized nanomaterials from bio-hydrometallurgical leachate of e-waste on crystal violet adsorption kinetics, thermodynamics, and mass transfer and statistical models. 1	1
301	A biomass carbon prepared from agricultural discarded walnut green peel: investigations into its adsorption characteristics of heavy metal ions in wastewater treatment. 1	1
300	Photocatalytic degradation of Rhodamine B in aqueous phase by bimetallic metal-organic framework M/Fe-MOF (M = Co, Cu, and Mg). <b>2022</b> , 20, 52-60	1
299	Adsorption and photocatalytic performance of ZnAl layered double hydroxide nanoparticles in removal of methyl orange dye. <b>2022</b> , 7, 1-10	3
298	Largely enhanced adsorption performance and stability of MXene through in-situ depositing polypyrrole nanoparticles. <b>2022</b> , 287, 120596	5
297	CoFe2O4@Methylcellulose/AC as a New, Green, and Eco-friendly Nano-magnetic adsorbent for removal of Reactive Red 198 from aqueous solution. <b>2022</b> , 15, 103745	4
296	Three-dimensional porous sodium alginate/gellan gum environmentally friendly aerogel: Preparation, characterization, adsorption, and kinetics studies. <b>2022</b> , 179, 227-236	1
295	Exploring the adsorption efficiency of a novel cellulosic material for removal of food dye from water. <b>2022</b> , 350, 118577	2
294	Separation of anthropogenic radionuclides from aqueous environment using raw and modified biosorbents.. <b>2022</b> , 244-245, 106829	0
293	Hybrid materials for the removal of emerging pollutants in water: classification, synthesis, and properties. <b>2022</b> , 10, 100252	2
292	Non-toxic nature of nano-biosorbents as a positive approach toward green environment. <b>2022</b> , 187-226	

291	Okara and Okara modified and functionalized with iron oxide nanoparticles for the removal of and cyanotoxin.. <b>2022</b> , 1-34	
290	In-Situ Stabilizing Nano-Ag onto Nonwoven Fabrics via a Mussel-Inspired Approach for Continuous-Flow Catalysis Reduction of Organic Dyes. <b>2022</b> , 7,	
289	Removal of hazardous dyes and waterborne pathogens using nanoengineered bioadsorbent from hemp - Fabrication, characterization and performance investigation. <b>2022</b> , 29, 101797	0
288	Chitosan@Carboxymethylcellulose/CuO-CoO Nanoadsorbent as a Super Catalyst for the Removal of Water Pollutants.. <b>2022</b> , 8,	1
287	Selective removal of cationic organic pollutants using disulfide-linked polymer. <b>2022</b> , 288, 120522	1
286	Bacterial and fungal degradation of dyes. <b>2022</b> , 23-43	0
285	Iron-Polyphenol Nanocluster Removes Fluoride and Methylene Blue Dye from Water and Promotes Plant Growth.	1
284	Hemp-Based Materials for Applications in Wastewater Treatment by Biosorption-Oriented Processes: A Review. <b>2022</b> , 239-295	1
283	Recent Progress in Polysaccharide-Based Hydrogel Beads as Adsorbent for Water Pollution Remediation. <b>2022</b> , 55-88	1
282	Cu(I)-Organic Framework as a Platform for High-Efficiency Selective Adsorption of Methylene Blue and Reversible Iodine Uptake.	
281	A sorbent containing pH-responsive chelating residues of aspartic and maleic acids for mitigation of toxic metal ions, cationic, and anionic dyes.. <b>2022</b> , 12, 5938-5952	2
280	Nanocelluloses for Removal of Organic Dyes from Wastewater. <b>2022</b> , 1-28	
279	Adsorption kinetics, isotherms and thermodynamic studies of methyl blue in textile dye effluent on natural clay adsorbent. <b>2022</b> , 8, 1	0
278	Recent Developments in the Application of Bio-Waste-Derived Adsorbents for the Removal of Methylene Blue from Wastewater: A Review.. <b>2022</b> , 14,	14
277	Modification Strategies of Kapok Fiber Composites and Its Application in the Adsorption of Heavy Metal Ions and Dyes from Aqueous Solutions: A Systematic Review.. <b>2022</b> , 19,	1
276	Molecular Assemblies Offering Hydrogen-Bonding Cavities: Influence of Macrocyclic Cavity and Hydrogen Bonding on Dye Adsorption.. <b>2022</b> ,	2
275	Magnetite-based Biochar Coupled with Binary Oxidants for the Effective Removal of Mixed Dye from Wastewater. <b>2022</b> , 23, 450-462	0
274	A Review on Euphorbia neriifolia plant. 361-365	

273	Rapid Removal of Acid Red 88 by Zeolite/Chitosan Hydrogel in Aqueous Solution.. <b>2022</b> , 14,	1
272	Magnetic iron oxide nanosorbents effective in dye removal. 1	1
271	Synthesis of biopolymer chitosan-based hydrogels with and without a crosslinker for the removal of industrial dye procion blue HERD: a comparative study. 1-18	0
270	Parametric Optimization and Kinetics Study of Effective Removal of Methylene Blue by Citric Acid-Modified Arjun Bark Powder. 1	0
269	Comparative Adsorption of Eriochrome black T onto recyclable steel dust: Isotherm, Kinetics and Thermodynamic Studies. <b>2022</b> , 128828	0
268	Application of low-cost, eco-friendly adsorbents for the removal of dye contaminants from wastewater: Current developments and adsorption technology.	0
267	Au/Boron organic frameworks for efficient removal and degradation of azo dye pollutants. <b>2022</b> , 128884	0
266	Comparative analysis of conventional to biomass-derived adsorbent for wastewater treatment: a review. 1	0
265	Advances in chitosan biopolymer composite materials: from bioengineering, wastewater treatment to agricultural applications.	8
264	Modification of TiO <sub>2</sub> with clam-shell powder for photodegradation of methylene blue. 1	
263	A novel chitosan modified magnesium impregnated corn straw biochar for ammonium and phosphate removal from simulated livestock wastewater. <b>2022</b> , 102519	2
262	A superabsorbent hydrogel for removal of dyes from aqueous solution. 1	0
261	Induced Absorption Spectra of a Crystal Violet Dye. <b>2022</b> , 64, 2089-2095	
260	Rapid and Efficient Removal of Anionic Dye in Water Using a Chitosan-Coated Iron Oxide-Immobilized Polyvinylidene Fluoride Membrane.. <b>2022</b> , 7, 8759-8766	2
259	RADIATION SYNTHESIS OF POLY(CHITOSAN/ACRYLAMIDE) HYDROGEL FOR REMOVAL OF NIGROSIN FROM ITS AQUEOUS SOLUTION. <b>2022</b> , 56, 199-208	0
258	Removal of the Anionic Dye Congo Red from an Aqueous Solution Using a Crosslinked Poly(vinyl alcohol)-ZnO-Vitamin M Nanocomposite Film: A Study of the Recent Concerns about Nonlinear and Linear Forms of Isotherms and Kinetics.. <b>2022</b> ,	0
257	Preparation and characterization of N-doped ZnO and N-doped TiO beads for photocatalytic degradation of phenol and ammonia.. <b>2022</b> , 1	0
256	Decolorization mechanisms of reactive yellow 145 and ponceau S in microbial fuel cells during simultaneous electricity production. <b>2022</b> , 1-13	

255	Chitosan- and Alginate-Based Hydrogels for the Adsorption of Anionic and Cationic Dyes from Water.. <b>2022</b> , 14,	5
254	Robust and recyclable graphene/chitosan composite aerogel microspheres for adsorption of oil pollutants from water.. <b>2022</b> , 290, 119416	0
253	Understanding the application of gum ghatti based biodegradable hydrogel for wastewater treatment. <b>2022</b> , 17, 100668	1
252	Ultrasonic-assisted synthesis of xanthan gum/ZnO hydrogel nanocomposite for the removal of methylene blue from aqueous solution. <b>2022</b> , 315, 131924	2
251	Protective effect of $\beta$ -cyclodextrin to microorganisms during anaerobic degradation of azo dyes. <b>2022</b> , 170, 105401	1
250	Facile synthesis, characterization and application of magnetic Fe <sub>3</sub> O <sub>4</sub> -coir pith composites for the removal of methyl violet from aqueous solution: Kinetics, isotherm, thermodynamics and parametric optimization. <b>2022</b> , 99, 100447	
249	Preparation of zinc oxide graphed nickel incorporated mesoporous SBA-16 doped graphene oxide: An efficient catalyst for transesterification of waste edible oil to biodiesel and photocatalytic degradation of organic dyes. <b>2022</b> , 139, 109379	1
248	Fabrication of eco-friendly adsorbent derived from serpentine tailings for the removal of organic dyes. <b>2022</b> , 643, 128761	0
247	A review on the development of elemental and codoped TiO <sub>2</sub> photocatalysts for enhanced dye degradation under UV <sub>A</sub> irradiation. <b>2022</b> , 47, 102728	7
246	Fe-doped WO <sub>3</sub> nanoplates with excellent bifunctional performances: Gas sensing and visible light photocatalytic degradation. <b>2022</b> , 592, 153310	1
245	Effects of the absorbent types on changes in benzo[a]pyrene and volatile compounds in sesame oil. <b>2021</b> , 64,	
244	Functionalized Activated Carbon Fibers by Hydrogen Peroxide and Polydopamine for Efficient Trace Lead Removal from Drinking Water.. <b>2021</b> ,	1
243	Mesoporous MOF composite for efficient removal of uranium, methyl orange, methylene blue, and Congo red dyes from aqueous solutions. <b>2022</b> , 36,	1
242	Synthesis and Potential Applications of Modified Xanthan Gum. 8, 73-97	1
241	Evaluation of the Adsorption and Desorption Dynamics of Beet Juice Red Dye on Alginate Microbeads.. <b>2021</b> , 8,	1
240	Kinetics, Isotherm and Thermodynamic Studies for Efficient Adsorption of Congo Red Dye from Aqueous Solution onto Novel Cyanoguanidine-Modified Chitosan Adsorbent.. <b>2021</b> , 13,	5
239	Magnetic chitosan microspheres for the removal of methyl violet 2B from aqueous solutions. 1-13	
238	Elimination of Acid Red 88 by Waste Product from the Phosphate Industry: Batch Design and Regeneration.	

237	Rice husk and rice straw based materials for toxic metals and dyes removal: a comprehensive and critical review. 1-23	1
236	Hydroxyapatite for environmental remediation of water/wastewater. <b>2022</b> , 167-191	0
235	Iron Oxide Particles Loaded Activated Carbon Cloth and Comparison of Adsorption and Fenton Reaction for Efficient Cationic and Anionic Dyes Removal. <b>2022</b> , 233, 1	0
234	Multifunctional Cellulose and Cellulose-Based (Nano) Composite Adsorbents.. <b>2022</b> , 10, 891034	0
233	Sequestration of crystal violet dye from wastewater using low-cost coconut husk as a potential adsorbent.. <b>2022</b> , 85, 2295-2317	1
232	Iron-polyphenol nanomaterial removes fluoride and methylene blue dye from water and promotes plant growth. <b>2022</b> , 10, 107707	0
231	Cu(I)-organic framework as a platform for high-efficiency selective adsorption of methylene blue and reversible iodine uptake. <b>2022</b> , 311, 123133	0
230	Biosorbents in Industrial Wastewater Treatment. <b>2022</b> , 101-132	
229	Dye removal using biochars. <b>2022</b> , 429-471	
228	Sorptive removal of pharmaceuticals using sustainable biochars. <b>2022</b> , 395-427	1
227	Dye Removal Using Polymer Composites as Adsorbents. <b>2022</b> , 85-104	
226	Poly(Vinyl Alcohol) (PVA)-Based Treatment Technologies in the Remediation of Dye-Containing Textile Wastewater. <b>2022</b> , 1-21	
225	Polymeric Hydrogels for Dye Adsorption. <b>2022</b> , 125-174	
224	Nanocellulose in Industrial Wastewater Treatment: An Overview. <b>2022</b> , 209-236	
223	Textile Industry Wastewater Treatment Using Eco-Friendly Techniques. <b>2022</b> , 63-74	0
222	Acyl amide-Functionalized and Water-Stable Iron-Based MOF For Rapid and Selective Dye Removal.	0
221	Some Well-Known Alginate and Chitosan Modifications Used in Adsorption: A Review. <b>2022</b> , 14, 1353	6
220	Adsorption Processes Coupled with Photochemical Deposition of Waters Contaminated with Direct Orange-26 Azo Dye. <b>2022</b> , 18, 33-37	

219	A comprehensive review on application of plant-based bioadsorbents for Congo red removal. 1	1
218	Factorial Design, Physical Studies and Rapid Arsenic Adsorption Using Newly Prepared Polymer Modified Perlite Adsorbent. <b>2022</b> ,	3
217	Kinetic and equilibrium adsorption study of anionic dyes using oil palm trunk-derived activated carbon. <b>2022</b> ,	1
216	High Potential Decolourisation of Textile Dyes from Wastewater by Manganese Peroxidase Production of Newly Immobilised <i>Trametes hirsuta</i> PW17-41 and FTIR Analysis. <b>2022</b> , 10, 992	0
215	Integrating of metal-organic framework UiO-66-NH <sub>2</sub> and cellulose nanofibers mat for high-performance adsorption of dye rose bengal.	0
214	Cost Comparison of Electro-Coagulation and Electro-Oxidation Processes with Other Clean-Up Technologies. <b>2022</b> , 383-407	1
213	MOFs meet wood: reusable magnetic hydrophilic composites toward efficient water treatment with super-high dye adsorption capacity at high dye concentration. <b>2022</b> , 136851	12
212	Treatment of textile wastewater by sulfate radical based advanced oxidation processes. <b>2022</b> , 293, 121115	2
211	The adsorption mechanism of the anionic and cationic dyes of the cationic resin A $\square$ IRC-50, kinetic study and theoretical investigation using DFT. <b>2022</b> , 99, 100512	2
210	Phoenix dactylifera mediated green synthesis of Mn doped ZnO nanoparticles and its adsorption performance for methyl orange dye removal: A comparative study. <b>2022</b> , 286, 126173	0
209	Green synthesis of silver nanoparticles doped activated carbon for Rhodamine B dye adsorption. <b>2022</b> , 2259, 012010	
208	Removal of Reactive Blue 19 from Aqueous Solution and Batik Wastewater Using Iron Modified Activated Carbon. 920, 63-67	
207	Adsorption of cefazolin on organoclay: experimental design, characterization, and a complete batch study.. <b>2022</b> ,	0
206	Application of Nitric Acid Modified Multi-Walled Carbon Nanotubes for Efficient Removal of Methylene Blue in Aqueous Solution. <b>2022</b> , 7,	
205	Screening of fungi from the phylum Basidiomycota for degradation of boar taint aroma compounds.	
204	Granular waterworks sludge-biochar composites: Characterization and dye removal application. <b>2022</b> , 14, 100451	1
203	Magnetically functionalized alunite as a recyclable and ecofriendly adsorbent for efficient removal of Pb <sup>2+</sup> . <b>2022</b> , 48, 102867	0
202	Removal of Anionic Dyes From Aqueous Solution with Layered Cationic Aluminum Oxyhydroxide.	



201	Agricultural Pea Waste as a Low-Cost Pollutant Biosorbent for Methylene Blue Removal: Adsorption Kinetics, Isotherm And Thermodynamic Studies.	1
200	Facile synthesis of cinnamic acid sensitized rice husk biochar for removal of organic dyes from wastewaters: Batch experimental and theoretical studies. <b>2022</b> , 126327	0
199	A Review of the Removal of Dyestuffs from Effluents onto Biochar. <b>2022</b> , 9, 139	0
198	Recent and Emerging Trends in Remediation of Methylene Blue Dye from Wastewater by Using Zinc Oxide Nanoparticles. <b>2022</b> , 14, 1749	2
197	Sulfonated graphene oxide impregnated cellulose acetate floated beads for adsorption of methylene blue dye: optimization using response surface methodology. <b>2022</b> , 12,	2
196	Adsorption of cationic dyes on barley straw modified by citric acid: kinetic, equilibrium, and thermodynamic studies. <b>2022</b> , 13, 197-208	
195	Carbon nano-structures and functionalized associates: Adsorptive detoxification of organic and inorganic water pollutants. <b>2022</b> , 141, 109579	1
194	Antibiotic adsorption by natural and modified clay minerals as designer adsorbents for wastewater treatment: A comprehensive review. <b>2022</b> , 317, 115397	4
193	Catalytic Reduction of Textile Dyes by N-Doped Ti-Melamine Capped Ag&lt;sub&gt;2&lt;/sub&lt;/sub Nano Composites. <b>2022</b> , 12, 892-900	
192	Iron Capped Spent Tea Leaves as Nano-Adsorbent for Removal of Eriochrome Black T from Aqueous Phase. <b>2022</b> , 34, 1814-1820	
191	C058 and Other Functional Microorganisms Promote the Synthesis of Extracellular Polymer Substances in Mycelium Biofloc. <b>2022</b> , 12, 693	1
190	Removing Malachite Green and Leucomalachite Green From Freshwater and Seawater With Four Water Treatment Agents. 10,	0
189	A comprehensive review on sustainable greener nanoparticles for efficient dye degradation.	1
188	Exploring the mechanical and bacterial prospects of flexible polyurethane foam with chitosan.	2
187	Organic dye removal and recycling performances of graphene oxide-coated biopolymer sponge. <b>2022</b> ,	0
186	Research on the adsorption of RhB on CTMAB modified zeolite: adsorption kinetics, isotherm and thermodynamics studies. <b>2022</b> , 2285, 012033	
185	Adsorptive removal of cationic and anionic dyes on a novel mesoporous adsorbent prepared from diatomite and anionic cellulose nanofibrils: experimental and theoretical investigations. <b>2022</b> , 119670	3
184	Synthesis, physico-chemical, and structural properties of silicate apatites: Effect of synthetic methods on apatite structure and dye removal. <b>2022</b> , 142, 109628	

- 183 Photocatalytic oxidation of textile dye using sugarcane bagasse-Nb<sub>2</sub>O<sub>5</sub> as a catalyst. **2022**, 432, 114103
- 182 Nanocelluloses for Removal of Organic Dyes from Wastewater. **2022**, 971-998
- 181 A novel study on the preferential attachment of chromophore and auxochrome groups in azo dye adsorption on different greenly synthesized magnetite nanoparticles: investigation of the influence of the mediating plant extract's acidity. 0
- 180 Synthesis, column packing and liquid chromatography of molecularly imprinted polymers for the acid black 1, acid black 210, and acid Brown 703 dyes. **2022**, 12, 19611-19623 3
- 179 A Lignin-Rich Extract of Giant Reed (*Arundo donax* L.) as a Possible Tool to Manage Soilborne Pathogens in Horticulture: A Preliminary Study on a Model Pathosystem. **2022**, 8, 589 0
- 178 Investigation of AC Conductivity Scaling and Dielectric Relaxation Dynamics of Chitosan/Iron Complexes. 1-19
- 177 Removal of Organic and Inorganic Pollutants Using CSFe<sub>3</sub>O<sub>4</sub>@CeO<sub>2</sub> Nanocatalyst via Adsorption-Reduction Catalysis: A Focused Analysis on Methylene Blue. 0
- 176 Facile application of OH-ended triazinic dendrimer/halloysite nanotube for removal of methylene blue with a high capacity. 1-14 0
- 175 Novel Metallo-hydrogels as a two-in-one agent with potent dyes removal and antimicrobial capacity. **2022**, 49, 100644 0
- 174 Cellulose-based activated carbon/layered double hydroxide for efficient removal of Clarithromycin residues and efficient role in the treatment of stomach ulcers and acidity problems. **2022**, 215, 705-728 0
- 173 Zein - a plant-based material of growing importance: New perspectives for innovative uses. **2022**, 186, 115250 3
- 172 Improved adsorption of Congo red from aqueous solution using alkali-treated goethite impregnated chitosan hydrogel capsule. **2022**, 10, 108244
- 171 Development of a ghatti gum/poly (acrylic acid)/TiO<sub>2</sub> hydrogel nanocomposite for malachite green adsorption from aqueous media: Statistical optimization using response surface methodology. **2022**, 306, 135524 3
- 170 Removal of methylene blue by H<sub>3</sub>PO<sub>4</sub>Treated eucalyptus leaves: Study of fixed bed column and GA-ANN modeling. **2022**, 29, 100774 1
- 169 Tuning adsorption, structure and compressive strength of sepiolite- and metakaolin-based alkali activated monoliths for methylene blue removal from waste water. **2022**, 33, 102110 0
- 168 Nanoscaled reusable palladium catalyst supported on chitosan hybrid composite microcapsules reinforced with ZnO nanoparticles for Heck coupling reactions.
- 167 Impact of immobilized algae and its consortium in biodegradation of the textile dyes. 1-10 2
- 166 Artificial Intelligence-Based Tools for Process Optimization: Case Study Bromocresol Green Decolorization with Active Carbon. **2022**, 2022, 1-15

- 165 Reusable and Antibacterial Polymer-Based Nanocomposites for the Adsorption of Dyes and the Visible-Light-Driven Photocatalytic Degradation of Antibiotics. 2200076
- 164 Adsorptive removal of dye from textile wastewater employing *Moringa oleifera* leaves biochar as a natural biosorbent.
- 163 Aryl-aryl linked two-dimensional covalent organic frameworks/cellulose composite monolith with hierarchical structure for aqueous dyes adsorption. 0
- 162 Decolorization of C.I. Disperse Orange-25 Dye From Aqueous Solution by Using Modified Biopolymer. **2022**, 177-195
- 161 A kinetic and isotherm study on removing methylene blue from aqueous solutions by oxidized cellulose nanostructure. 0
- 160 Magnetic Fe<sub>3</sub>O<sub>4</sub>@polydopamine nanoparticle as an efficient adsorbent for simultaneous removal of Basic blue and Toluidine blue O dyes using derivative spectrophotometric determination and central composite design optimization.
- 159 Carbon-Magnetic Layered Double Hydroxide as a New Nanosorbent for Efficient Removal of Tartrazine and Indigo Carmine Dyes from Water Solutions; Multivariate Optimization and Adsorption Characterization. **2022**, 44, 259-268 0
- 158 Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes. 2
- 157 Graphene oxide incorporated chitosan/acrylamide/itaconic acid semi-interpenetrating network hydrogel bio-adsorbents for highly efficient and selective removal of cationic dyes. **2022**, 219, 273-289 0
- 156 Synthesis of HAp/CS-SA composite for effective removal of highly toxic dyes in aqueous solution. **2022**, 168, 113346 0
- 155 Clay-polymer nanocomposites for water and wastewater treatment: A comprehensive review. **2022**, 307, 135869 2
- 154 Carbon-covered alumina-supported ZnO nanocatalysts with enhanced visible light photocatalytic performance for the removal of dyes. **2022**, 28, 102866
- 153 Locust Bean gum-based hydrogels embedded magnetic iron oxide nanoparticles nanocomposite: Advanced materials for environmental and energy applications. **2022**, 214, 114000 6
- 152 Removal of micropollutants through bio-based materials as a transition to circular bioeconomy: Treatment processes involved, perspectives and bottlenecks. **2022**, 214, 114150 0
- 151 Porous geopolymers as dye adsorbents: Review and perspectives. **2022**, 374, 133982 1
- 150 Imidazolium based ionic liquids modified polysaccharides for adsorption and solid-phase extraction applications: A review. **2022**, 298, 120138 0
- 149 Synthesis of high-quality Na P1 zeolite from municipal solid waste incineration fly ash by microwave-assisted hydrothermal method and its adsorption capacity. **2023**, 855, 158741 0
- 148 Synthesis, characterization and dye adsorption property of a 2D nickel(ii)-coordination polymer constructed from tetracarboxylic acid and 1,3-bis(imidazol-1-yl-methyl)benzene. 0

- 147 Preparation of Novel CeO<sub>2</sub>/NiO/NiAl<sub>2</sub>O<sub>4</sub> Nanocomposite for Fast and Efficient Removal of Direct Red 23: Mechanism, Kinetic, Thermodynamic and Equilibrium Studies. ○
- 146 Chitosan-Based Composite Beads for Removal of Anionic Dyes. **2022**, 47-73 ○
- 145 Nanocomposites for Dye Removal from Water. **2022**, 75-96 ○
- 144 Advanced Carbon Nanomaterials as Adsorbents. **2022**, 127-153 ○
- 143 Design and principles of adsorbent-based reactors for modular wastewater treatment. **2022**, 129-148 ○
- 142 A complete review on anaerobes and nanoparticles in wastewater treatment. **2023**, 477-509 ○
- 141 Batch Adsorption Study of Synthetic Dye Mix in Aqueous Solution using Activated Carbon Prepared from Coconut Shell. **2022**, 38, 1074-1080 ○
- 140 Preliminary study of the photodegradation of dyes using amorphous films of ZnO-CuO obtained by photochemical deposition in solid phase. ○
- 139 Methylene blue dye: Toxicity and potential technologies for elimination from (waste)water. **2022**, 100678 5
- 138 Improved Synthesis of the Selected Serine Protease uPA Inhibitor UAMC-00050, a Lead Compound for the Treatment of Dry Eye Disease. ○
- 137 Recent Literature Review of Significance of Polypyrrole and Its Biocomposites in Adsorption of Dyes from Aqueous Solution. **2022**, 2022, 1-18 ○
- 136 The Role of Zeolite Structure in Its  $\beta$ -cyclodextrin Modification and Tetracycline Adsorption from Aqueous Solution: Characteristics and Sorption Mechanism. **2022**, 15, 6317 ○
- 135 Biosynthesis of ZnO photocatalyst and its application in photo catalytic degradation of methylene blue dyestuff. 1-14 ○
- 134 Novel Agro-Aaste for Adsorption of Acid Violet 90 from Contaminated Water: Isotherms and Kinetics. ○
- 133 Removal of Basic Yellow 51 Dye by Using Ion Exchange Resin Obtained by Modification of Byproduct Sugar Beet Pulp. ○
- 132 Synthesis of metal-based functional nanocomposite material and its application for the elimination of paracetamol from synthetic wastewater. **2022**, 308, 136530 ○
- 131 Recent Advances in Textile Wastewater Treatment Using Nanoporous Zeolites. **2022**, 859-906 ○
- 130 Prediction of biphasic separation on CO<sub>2</sub> absorption using molecular surface information-based machine learning model. ○

129	Removal of Heavy Metals and Dyes from Wastewaters by Raw and Activated Carbon Hazelnut Shells. <b>2022</b> , 907-933	0
128	Dye Adsorption Kinetics and Isotherm Study Using Surfactant-Modified Biomass: Influence of pH Substantiated with Quantum Chemical Validation.	0
127	Removal of Cu (II) Ions from Aqueous Solution Using Poly-Amidoxime Resin from Grafted Millet Husk Cellulose. 1107-1116	0
126	Preparation and Adsorption Properties of Graphene-Modified, Pitch-Based Carbon Foam Composites. <b>2022</b> , 14, 4455	1
125	Adsorption of Phenylalanine from Aqueous Solutions Using Activated Carbon from Sunflower Meal Functionalized with Sulfonic Groups. <b>2022</b> , 11, 3427	0
124	Statistically optimized sequential hydrothermal route for FeTiO <sub>3</sub> surface modification: evaluation of hazardous cationic dyes adsorptive removal.	1
123	Enhanced sequestration of an acidic dye on novel bimetallic metal-organic framework. 1-10	0
122	Reduction of Water Color in a Spinning Disc Reactor. <b>2022</b> , 12, 10253	0
121	Heavy metal ions and dyes removal from aqueous solution using aloevera-based biosorbent: A systematic review. <b>2022</b> , 114669	0
120	Cellulose-based materials and their adsorptive removal efficiency for dyes: A review. <b>2022</b> ,	2
119	Zeolites as Adsorbents and Photocatalysts for Removal of Dyes from the Aqueous Environment. <b>2022</b> , 27, 6582	1
118	Adsorption removal of Brilliant green and Safranin-O contaminants from water by using hydrogel based on carboxymethyl cellulose and sodium alginate crosslinked by epichlorohydrin.	0
117	Methylene Blue Removed from Aqueous Solution by Encapsulation of Bentonite Aerogel Beads with Cobalt Alginate.	0
116	Anchoring Zero-Valent Cu and Ni Nanoparticles on Carboxymethyl Cellulose-PolystyreneBlock PolyisopreneBlock Polystyrene Composite Films for Nitrophenol Reduction and Dyes Degradation.	1
115	Latvian Sheep Wool Fiber as a Cheap Natural Adsorbent for the Removal of Congo Red Dye from Wastewater. <b>2022</b> , 233,	1
114	Dibenzo-18-crown-6-functionalized organic nanotubes for the synergistic adsorption of dyes and phenols from aqueous solutions. <b>2022</b> , 50, 103213	1
113	Potentials of mycosynthesized nanomaterials for efficient remediation of environmental contaminants. <b>2023</b> , 693-724	0
112	Recent Developments and Challenges in the Application of Fungal Laccase for the Biodegradation of Textile Dye Pollutants. <b>2022</b> , 20,	0

111	Kinetic, Thermodynamic and Adsorption Isotherm Studies of Detoxification of Eriochrome Black T Dye from Wastewater by Native and Washed Garlic Peel. <b>2022</b> , 14, 3713	1
110	Current status and research trends of textile wastewater treatments—A bibliometric-based study. <b>2022</b> , 10, 100000	1
109	Kinetic and Adsorption Isotherm Study of Photocatalytic Degradation of MB and MG Dyes and Simultaneous Removal of a Mixture of Pollutants using ZnO/GO Nanocomposite. <b>2022</b> , 13, 100000	0
108	Cytotoxic and Apoptotic Effects of Olive Leaf Extract Chitosan Nanoparticles on Breast Cancer MCF-7 and Lung Cancer A549 Cells. <b>2022</b> , 10, 100000	0
107	Simultaneous removal of Basic blue and Toluidine blue O dyes by Magnetic Fe <sub>3</sub> O <sub>4</sub> @polydopamine nanoparticle as an efficient adsorbent using derivative spectrophotometric determination and central composite design optimization. <b>2022</b> , 146, 110203	0
106	Review on the Importance of Chitosan in Different Pharmaceutical Applications. <b>2022</b> , 06, 100000	0
105	Mixed micellar solubilization for procion blue MxR entrapment and optimization of necessary parameters for micellar enhanced ultrafiltration. <b>2022</b> , 137320	2
104	Eco-Friendly Gelatin-Cerium-Copper Sulphide Nanoparticles for Enhanced Sunlight Photocatalytic Activity. <b>2022</b> , 14, 15325	0
103	Rhodamine B induced alteration in antioxidant enzymes and photosynthetic performance of Eichhornia crassipes. <b>2022</b> , 10, 100000	0
102	Influence of extraction techniques on the adsorption capacity of methylene blue on sawdust: Optimization by full factorial design. <b>2023</b> , 6, 114-123	0
101	Adsorption and Equilibrium Studies on the Removal of Methyl Red from Aqueous Solution Using White Potato Peel Powder. <b>2022</b> , 72, 52-64	2
100	Photocatalytic Degradation of a Basic Dye Using Zinc Oxide Nanocatalyst. <b>2022</b> , 81, 18-26	2
99	Porous zinc-discs as nanocatalysts for methylene blue dye treatment in water: sensing, adsorption and photocatalytic degradation. <b>2022</b> , 12, 34951-34961	0
98	Removal of heavy metal ions from wastewater using bulk liquid membrane technique enhanced by electrical potential. <b>2022</b> , 10, 100000	0
97	Directly loading graphene oxide into melamine sponge for fast and high-efficiency adsorption of methylene blue. <b>2023</b> , 36, 102575	0
96	Enhanced photocatalytic performance of pebble stone like CuMoO <sub>4</sub> photocatalyst for the degradation of organic pollutant. <b>2023</b> , 650, 414544	0
95	Adsorption performance and mechanism of anionic MO dye by the adsorbent polymeric Amberlite IRA-410 resin from environment wastewater: Equilibrium kinetic and thermodynamic studies. <b>2023</b> , 1277, 134789	0
94	A sustainably produced hydrochar from pomegranate peels for the purification of textile contaminants in an aqueous medium. <b>2023</b> , 31, 100924	0

- 93 Utilization of Agro-Waste in the Elimination of Dyes from Aqueous Solution: Equilibrium, Kinetic and Thermodynamic Studies. 86, 11-23 0
- 92 Advanced biomaterials for the removal of pesticides from water. **2022**, 0
- 91 The Impact of Face Mask Inks and Dyes on the Environment and Human Health. **2022**, 10, 87-99 0
- 90 Removal of Methylene Blue Dye Pollutant from Aqueous Solution Using Sugar Cane Bark and Chaff Biomass. 69, 49-57 0
- 89 Adsorption of Basic and Acidic Dyes onto Agricultural Wastes. 70, 12-26 2
- 88 Synthesis and Characterization of Hydroxyethyl Cellulose Grafted with Copolymer of Polyaniline and Polypyrrole Biocomposite for Adsorption of Dyes. **2022**, 27, 8238 0
- 87 Insights on applications of bentonite clays for the removal of dyes and heavy metals from wastewater: a review. 0
- 86 Antibacterial studies of Ag@HPEI@GO nanocomposites and their effects on fouling and dye rejection in PES UF membranes. **2022**, 8, e11825 0
- 85 Reusable Melanin-Based Biosorbents for Efficient Methylene Blue Removal: the New Frontier of Fungi-Inspired Allomelanin Coatings for Sustainable Water Remediation Processes. **2022**, 100283 0
- 84 Structure and Properties of Lignin Extracted from Cotton Stalk by Non-polluting Ethanol-Assisted Hot Water Pretreatment and its High-Value Utilization for Methylene Blue Removal. 0
- 83 Eco-friendly PVA-chitosan adsorbent films for the removal of azo dye Acid Orange 7: Physical cross-linking, adsorption process, and reuse of the material. **2022**, 0
- 82 Novel PVA/chitosan composite membrane modified using bio-fabricated  $\text{MnO}_2$  nanoparticles for photocatalytic degradation of cationic dyes. 0
- 81 Comprehensive review on machine learning methodologies for modeling dye removal processes in wastewater. **2022**, 135522 0
- 80 Sustainable Coating Paperboard Packaging Material Based on Chitosan, Palmitic Acid, and Activated Carbon: Water Vapor and Fat Barrier Performance. **2022**, 11, 4037 1
- 79 Chemically Modified Carbon Nanotubes in Removal of Textiles Effluents. **2023**, 151-167 0
- 78 Predicting the degradation of reactive red-147 dye in textile wastewater using response surface methodology technique. **2023**, 13, 0
- 77 A novel activated carbon from sugar scums as an industrial waste for effective Basic Blue 41 dye removal. 1
- 76 Extraction of methylene blue from aqueous solution by pickering emulsion liquid membrane using cellulose as eco-friendly emulsifier: optimization and modeling studies. 0

75	Using Silk-derived Magnetic Carbon Nanocomposites as Highly Efficient Nanozymes and Electromagnetic Absorbing Agents. <b>2022</b> , 108084	0
74	Functionalized MoO <sub>3</sub> Nanosheets for High-Efficiency RhB Removal. 2200154	0
73	Construction of Shape-Controlled MgO Microstructures by Natural Bischofite for Cost-Efficient Dye Adsorption. <b>2023</b> , 8,	0
72	Biosorption of methylene blue dye using a novel chitosan pectinase blend.	0
71	Chitosan-Based Polymer Nanocomposites for Environmental Remediation of Mercury Pollution. <b>2023</b> , 15, 482	0
70	Micron sized anionic poly (methacrylic acid) microgel particles for the adsorptive elimination of cationic water pollutants. <b>2023</b> ,	0
69	Plasma Surface Engineering of Natural and Sustainable Polymeric Derivatives and Their Potential Applications. <b>2023</b> , 15, 400	2
68	Recent advances in the design and use of Pickering emulsions for wastewater treatment applications.	1
67	Lignocellulosic materials as adsorbents in solid phase extraction for trace elements preconcentration. <b>2023</b> , 158, 116891	0
66	Adsorption Performance of Zeolite for the Removal of Congo Red Dye: Factorial Design Experiments, Kinetic, and Equilibrium Studies. <b>2023</b> , 10, 57	5
65	Synthesis of hybrid framework of tenorite and octahedrally coordinated aluminosilicate for the robust adsorption of cationic and anionic dyes. <b>2023</b> , 220, 115111	0
64	Bacterial oxidoreductive enzymes as molecular weapons for the degradation and metabolism of the toxic azo dyes in wastewater: a review. <b>2022</b> ,	0
63	Nanomaterials for the removal of organic pollutants from agrofood wastewaters. <b>2023</b> , 355-381	0
62	Complementing the circular economy with a life cycle assessment of sustainable hydrogels and their future prospects. <b>2023</b> , 489-503	0
61	Removal of methylene blue dye from aqueous solution using an efficient chitosan-pectin bio-adsorbent: kinetics and isotherm studies. <b>2023</b> , 195,	0
60	Biosurfactants and Their Perspectives for Application in Drug Adsorption. <b>2023</b> , 237-255	0
59	Bioadsorption of endocrine disrupting pollutants from wastewater. <b>2023</b> , 211-226	0
58	2D Organic Materials: Status and Challenges. 2203889	0



- 57 Adsorptive removal of hazardous dyes from industrial waste using activated carbon: an appraisal. **2023**, 455-483 ○
- 56 The catalytic degradation of dyes using polyethersulfone/poly(vinylidene fluoride)/copper oxide composite nanofibers. ○
- 55 Possible approaches for water purification in industries. **2023**, ○
- 54 Enhanced treatment of landfill leachate by biochar-based aerobic denitrifying bacteria functional microbial materials: Preparation and performance. 14, ○
- 53 Application of chemometrics tools for removal of crystal violet and methylene blue in binary solution by eco-friendly magnetic adsorbent modified on Heracleum persicum waste. **2023**, 292, 122415 ○
- 52 Acetylated corn and potato starches as an alternative to the toxic inorganic coagulants/flocculants for wastewater treatment. **2023**, 20, 100786 ○
- 51 Removal of industrial dyes from aqueous medium by uio-66 metal organic frameworks (MOFs): A correlative analysis of adsorption behavior. **2023**, ○
- 50 Removal of Methylene Blue Dye from Textile Industry Wastewater Using Plantain Pith. **2023**, 67-83 ○
- 49 Analysis of the Content and Leaching Tendency of Chromium, Magnesium, Zinc, Cesium and Manganese from Clays into the Water. ○
- 48 A Study of Kinetics, Thermodynamics, and Adsorption Isotherms of Food and Textile Dyes Removal with SBA-15 Supported Polyaniline Nanocomposite. **2023**, 234, ○
- 47 Congo red dye adsorption onto cationic amino-modified walnut shell: Characterization, RSM optimization, isotherms, kinetics, and mechanism studies. **2023**, 21, 100931 ○
- 46 Developments in treatment technologies of dye-containing effluent: A review. **2023**, 7, 100339 ○
- 45 Superior adsorption and removal of toxic industrial dyes using cubic Pm<sub>3n</sub> aluminosilica from an aqueous solution, Isotherm, Kinetic, thermodynamic and mechanism of interaction. **2023**, 379, 121672 ○
- 44 Removal of chromium (VI) by commercial anion exchange membrane BII from an aqueous solution: Adsorption kinetic, equilibrium and thermodynamic studies. **2023**, 152, 110696 ○
- 43 Efficient photocatalytic degradation of an organic dye by the fabrication of a novel ternary composite based on zeolitic imidazolate framework via a facile in-situ synthetic approach. **2023**, 152, 110694 ○
- 42 Simultaneous abatement of Ni<sup>2+</sup> and Cu<sup>2+</sup> effectually from industrial wastewater by a low cost natural clay-chitosan nanocomposite filter: Synthesis, characterization and fixed bed column adsorption study. **2023**, 20, 100797 ○
- 41 Comparative adsorption of tetracycline onto unmodified and NaOH-modified silicomanganese fumes: Kinetic and process modeling. **2023**, 192, 521-533 ○
- 40 Adsorption of emerging contaminants by graphene related materials and their alginate composite hydrogels. **2023**, 11, 109566 ○

- 39 Separation of toxic contaminants from water by silica aerogel-based adsorbents: A comprehensive review. **2023**, 53, 103676 ○
- 38 Interfacial assembling of flexible silica membranes with high chlorine resistance for dye separation. **2023**, 677, 121628 ○
- 37 Novel reusable catalytic poly(4-styrenesulfonate-co-glycidylmethacrylate) foams for adsorption and photodegradation of the model pollutant dye methylene blue based on aromatic-aromatic interactions. **2023**, 459, 141518 ○
- 36 Adsorption Cationic Dye on Modified Chitosan with Sodium Dodecyl Sulfate. **2023**, 57-63 ○
- 35 Strong adsorption of CV dye by Ni ferrite nanoparticles for waste water purification: Fits well the pseudo second order kinetic and Freundlich isotherm model. **2023**, 49, 16199-16215 ○
- 34 Cationic Polystyrene-Based Hydrogels as Efficient Adsorbents to Remove Methyl Orange and Fluorescein Dye Pollutants from Industrial Wastewater. **2023**, 24, 2948 1
- 33 Synthesis and Characterization of MIPs for Selective Removal of Textile Dye Acid Black-234 from Wastewater Sample. **2023**, 28, 1555 ○
- 32 Improved photocatalytic performance of SrTiO<sub>3</sub> through a Z-scheme polymeric-perovskite heterojunction with g-C<sub>3</sub>N<sub>4</sub> and plasmonic resonance of Ag mediator. **2023**, 618, 156682 1
- 31 Decolorization of Methylene Blue Solution by Employing Magnetized Artocarpus heterophyllus Fruit Peel as a Novel Adsorbent. ○
- 30 Preparation of benzenesulfonyl hydrazone modified guar gum and its adsorption properties for dyes and phytotoxicity assays. **2023**, 234, 123700 1
- 29 Preparation of Breadfruit Leaf Biochar for the Application of Congo Red Dye Removal from Aqueous Solution and Optimization of Factors by RSM-BBD. **2023**, 2023, 1-17 ○
- 28 Synthesis and testing of polyacrylamide-grafted waste sand derived composite adsorbent for water purification. **2023**, 34, 1757-1768 ○
- 27 Methylene blue adsorption by wheat straw-based adsorbents: Study of adsorption kinetics and isotherms. **2023**, 40, 873-881 ○
- 26 Highly ordered CaO from cuttlefish bone calcination for the efficient adsorption of methylene blue from water. 11, ○
- 25 Recovering the Soybean Hulls after Peroxidase Extraction and Their Application as Adsorbent for Metal Ions and Dyes. **2023**, 2023, 1-17 ○
- 24 Rambutan seed waste-derived nitrogen-doped carbon dots with l-aspartic acid for the sensing of Congo red dye. **2023**, 13, 6422-6432 ○
- 23 Guinea Grass (*Megathyrsus maximus*) Fibres as Sorbent in Diesel Bioremediation. **2023**, 15, 3904 ○
- 22 Investigation of Synthesis, Application and Fluorescent Properties of Novel Acid Dyes Based on Perylene on Polyamide Fabrics. **2023**, 24, 627-639 ○

21	Response Surface Modelling of Methylene Blue Adsorption onto Seaweed, Coconut Shell and Oak Wood Hydrochars. <b>2023</b> , 15, 977	○
20	Hierarchical Biobased Macroporous/Mesoporous Carbon: Fabrication, Characterization and Electrochemical/Ion Exchange Properties. <b>2023</b> , 16, 2101	○
19	Alum sludge as an adsorbent for inorganic and organic pollutants removal from aqueous solutions: a review.	○
18	Cadmium and lead ions adsorption on magnetite, silica, alumina, and cellulosic materials. <b>2023</b> , 13,	○
17	Statistical optimization of process parameters for ultrafast uptake of anionic azo dyes by efficient sorbent: Zn/Cu layered double hydroxide. <b>2023</b> , 37,	○
16	Utilization of Azadirachta indica Sawdust as a Potential Adsorbent for the Removal of Crystal Violet Dye. <b>2023</b> , 4, 110-126	1
15	Wastewater treatment via sugarcane bagasse pulp.	○
14	Adsorptive removal of aflatoxin B1 from simulated animal gastrointestinal tract using sugarcane bagasse fly ash.	○
13	Influence of Zinc and Humic Acids on Dye Adsorption from Water by Two Composts. <b>2023</b> , 20, 5353	○
12	The Studies on Chitosan for Sustainable Development: A Bibliometric Analysis. <b>2023</b> , 16, 2857	○
11	Photocatalytic activity of the novel triazine-based magnetic core-shell Cu nanocomposite for degradation of RhB and MB via air oxidation and Cr(VI) reduction. <b>2023</b> , 20, 100820	○
10	Adsorption-desorption behavior of malachite green by potassium permanganate pre-oxidation polyvinyl chloride microplastics. <b>2023</b> , 30, 103138	○
9	Chemically modified Azadirachta indica sawdust for adsorption of methylene blue from aqueous solutions.	○
8	The removal efficiency of emerging organic contaminants, heavy metals and dyes: intrinsic limits at low concentrations.	○
7	Textile waste water treatment: analysis of mapping knowledge domains. <b>2023</b> , 195,	○
6	Highly stable lead-free Cs <sub>2</sub> AgBiI <sub>6</sub> -GO composite photocatalysts for efficient organic pollutant degradation. <b>2023</b> , 11, 109960	○
5	Titanium(III) Oxide Doped with meta-Aminophenol Formaldehyde Magnetic Microspheres: Enhancing Dye Adsorption toward Methyl Violet. <b>2023</b> , 11, 1250	○
4	Infrared spectroscopy: the key to elucidating the sorption mechanism of surfactants, dyes and pharmaceuticals on mineral composite material. <b>2023</b> , 122758	○

- 3 Lignin to dispersants, adsorbents, flocculants and adhesives: A critical review on industrial applications of lignin. **2023**, 199, 116715
- 2 Prospective of hybrid carbon-based materials for environmental remediation. **2023**, 25-54
- 1 Adsorption kinetics, equilibrium and thermodynamics of a textile dye V5BN by a natural nanocomplex material: Clinoptilolite. **2023**, 10, 100197