

On the comparison of pseudo-first order and pseudo-second order modeling of adsorption kinetics

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Adsorption behavior and mechanism of heavy metal ions by chicken feather protein-based semi-interpenetrating polymer networks super absorbent resin. RSC Advances, 2016, 6, 83234-83243.	3.6	30
3	Biosorption and biodegradation of a sulfur dye in high-strength dyeing wastewater by <i>Acidithiobacillus thiooxidans</i> . Journal of Environmental Management, 2016, 182, 265-271.	7.8	45
4	Uptake of heavy metal ions from aqueous solutions by sorbents obtained from the spent ion exchange resins. Microporous and Mesoporous Materials, 2017, 244, 127-136.	4.4	49
5	Optimization of adsorption process parameters by response surface methodology for hexavalent chromium removal from aqueous solutions using <i>Annona reticulata</i> Linn peel microparticles. Water Science and Technology, 2017, 75, 2094-2107.	2.5	23
6	Kinetics and mass transfer studies on the biosorption of organic matter from palm oil mill effluent by aerobic granules before and after the addition of <i>Serratia marcescens</i> SA30 in a sequencing batch reactor. Chemical Engineering Research and Design, 2017, 107, 259-268.	5.6	25
7	Determination of an engineering model for exchange kinetics of strong acid cation resin for the ion exchange of sodium chloride & sodium bicarbonate solutions. Journal of Water Process Engineering, 2017, 17, 197-206.	5.6	16
8	Magnetic ZnFe ₂ O ₄ @chitosan encapsulated in graphene oxide for adsorptive removal of organic dye. RSC Advances, 2017, 7, 28145-28151.	3.6	22
9	Purification of phlorotannins from <i>Macrocystis pyrifera</i> using macroporous resins. Food Chemistry, 2017, 237, 312-319.	8.2	44
10	Facile synthesis of gelatin modified attapulgite for the uptake of uranium from aqueous solution. Journal of Molecular Liquids, 2017, 234, 172-178.	4.9	21
11	Synthesis of water-dispersible poly-L-lysine-functionalized magnetic Fe ₃ O ₄ -(GO-MWCNTs) nanocomposite hybrid with a large surface area for high-efficiency removal of tartrazine and Pb(II). International Journal of Biological Macromolecules, 2017, 105, 1611-1621.	7.5	29
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13	Experimental and modeling investigation on CO ₂ sorption kinetics over K ₂ CO ₃ -modified silica aerogels. Chemical Engineering Journal, 2017, 312, 50-58.	12.7	37
14	Preparation and characterization of a mesoporous polycrown impregnated silica and its adsorption for palladium from highly acid medium. Journal of Porous Materials, 2017, 24, 1037-1045.	2.6	12
15	Adsorption of low-cost absorption materials based on biomass (<i>Cortaderia selloana</i> flower spikes) for dye removal: Kinetics, isotherms and thermodynamic studies. Journal of Molecular Liquids, 2017, 229, 285-292.	4.9	109
16	Biosorption of azo-dye using marine macro-alga of <i>Euchema Spinosum</i> . Journal of Environmental Chemical Engineering, 2017, 5, 5721-5731.	6.7	69
17	Synthesis and Characterization of Two-Dimensional Transition Metal Dichalcogenide Magnetic MoS ₂ @Fe ₃ O ₄ Nanoparticles for Adsorption of Cr(VI)/Cr(III). ACS Omega, 2017, 2, 6187-6200.	3.5	107
18	Kinetic modeling of novel solid desiccant based on PVA-LiCl electrospun nanofibrous membrane. Polymer Testing, 2017, 64, 183-193.	4.8	20
19	Uncovering potentials of integrated TiO ₂ (B) nanosheets and H ₂ O ₂ for removal of tetracycline from aqueous solution. Journal of Molecular Liquids, 2017, 248, 112-120.	4.9	45

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21	Microwave-assisted hydrothermal synthesis of cellulose/ZnO composites and its thermal transformation to ZnO/carbon composites. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 681-691.	2.4	13
22	Nanoparticles of type Fe ₃ O ₄ -SiO ₂ -graphene oxide and coated with an amino acid-derived ionic liquid for extraction of Al(III), Cr(III), Cu(II), Pb(II) prior to their determination by ICP-OES. <i>Mikrochimica Acta</i> , 2017, 184, 4279-4286.	5.0	33
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27	Extraction and characterization of chitin and chitosan: applications of chitosan nanoparticles in the adsorption of copper in an aqueous environment. <i>E-Polymers</i> , 2017, 17, 383-397.	3.0	13
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29	Mass transfer kinetics of Cd(II) ions adsorption by titania polyvinylalcohol-alginate beads from aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 308, 700-709.	12.7	43
30	Sorption mechanisms of arsenate on Mg-Fe layered double hydroxides: A combination of adsorption modeling and solid state analysis. <i>Chemosphere</i> , 2017, 168, 539-548.	8.2	41
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32	Preparation of crosslinked poly (acryloyloxyethyltrimethyl ammonium chloride) microsphere and its adsorption and mechanism towards shikimic acid. <i>Materials Science and Engineering C</i> , 2017, 71, 167-175.	7.3	21
33	Separation of bioactive chamazulene from chamomile extract using metal-organic framework. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 126-134.	2.8	43
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35	Facile preparation of a cellulose-based bioadsorbent modified by hPEI in heterogeneous system for high-efficiency removal of multiple types of dyes. <i>Reactive and Functional Polymers</i> , 2018, 125, 77-83.	4.1	42
36	Adsorption of selected nitrophenols on activated carbon in the presence of nicotinamide. <i>Journal of Molecular Liquids</i> , 2018, 259, 7-15.	4.9	9
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57	Hydrothermal synthesis of mesoporous carbons for adsorption of two alkaloids. <i>Journal of Porous Materials</i> , 2018, 25, 95-105.	2.6	19
58	Phosphate adsorption from aqueous solution by lanthanum-iron hydroxide loaded with expanded graphite. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 997-1006.	2.2	12
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79	Adsorption of Common Laboratory Dyes Using Natural Fibers from <i>Luffa cylindrica</i> . <i>Journal of Chemical Education</i> , 2018, 95, 2233-2237.	2.3	12
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