

# Maria AngÃ©lica S D Barros

## List of Publications by Year in descending order

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41  
papers

946  
citations

471509

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477307

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docs citations

41  
times ranked

1131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-component adsorption study by using bone char: modelling and removal mechanisms. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 789-804.	2.2	11
2	Comparative Study of Dyeing with Cochineal Dye in Cationized Cotton with Various Proteins. <i>Journal of Natural Fibers</i> , 2022, 19, 4263-4275.	3.1	2
3	Acetaminophen removal by calcium alginate/activated hydrochar composite beads: Batch and fixed-bed studies. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 553-562.	7.5	32
4	Otimiza�o da produ�o de biochar a partir de casca de tingui / Optimization of biochar production from tingui bark. <i>Brazilian Journal of Development</i> , 2022, 8, 9602-9615.	0.1	0
5	Caffeine removal by chitosan/activated carbon composite beads: Adsorption in tap water and synthetic hospital wastewater. <i>Chemical Engineering Research and Design</i> , 2022, 184, 1-12.	5.6	18
6	Biosorption mechanisms of cationic and anionic dyes in a low-cost residue from brewer's spent grain. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2925-2940.	2.2	19
7	Evaluation of novel activated carbons from chich�-do-cerrado ( <i>Sterculia striata</i> St. Hil. et Naud) fruit shells on metformin adsorption and treatment of a synthetic mixture. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104914.	6.7	23
8	Synthesis of hydrochars derived from industrial laundry sludge and its application in the removal of cationic dye. <i>Journal of Water Process Engineering</i> , 2021, 40, 101999.	5.6	8
9	Study of wool dyeing with natural dye extracted from chamomile flowers. <i>Journal of Natural Fibers</i> , 2020, 17, 271-283.	3.1	7
10	Chitosan, alginate and other macromolecules as activated carbon immobilizing agents: A review on composite adsorbents for the removal of water contaminants. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2535-2549.	7.5	93
11	Study of dye desorption mechanism of bone char utilizing different regenerating agents. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	14
12	Cationization of cotton with ovalbumin to improve dyeing of modified cotton with cochineal natural dye. <i>Textile Research Journal</i> , 2020, 90, 1805-1822.	2.2	25
13	Activated hydrochar produced from brewer's spent grain and its application in the removal of acetaminophen. <i>Bioresource Technology</i> , 2020, 310, 123399.	9.6	50
14	CO <sub>2</sub> adsorption in hydrochar produced from waste biomass. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	16
15	Adsorption and desorption cycles of reactive blue BF-5G dye in a bone char fixed-bed column. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28500-28509.	5.3	17
16	Estudo da cin�tica de remo�o de Mangan�s utilizando carv�o ativado impregnado com �xido de Mangan�s. <i>Brazilian Journal of Development</i> , 2019, 5, 22239-22244.	0.1	0
17	Cleaner production of antimicrobial and anti-UV cotton materials through dyeing with eucalyptus leaves extract. <i>Journal of Cleaner Production</i> , 2018, 199, 807-816.	9.3	51
18	Ecofriendly dyeing of silk with extract of yerba mate ( <i>Ilex paraguariensis</i> ). <i>Textile Research Journal</i> , 2017, 87, 829-837.	2.2	17

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19	Preparation and characterization of calcium treated bentonite clay and its application for the removal of lead and cadmium ions: Adsorption and thermodynamic modeling. <i>Chemical Engineering Research and Design</i> , 2017, 111, 244-252.	5.6	37
20	Kinetics and thermodynamics studies of silver ions adsorption onto coconut shell activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 3087-3093.	2.2	20
21	ADSORPTION OF THE DYE REACTIVE BLUE 5G IN RETORTED SHALE. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 269-281.	1.3	6
22	Effect of solution pH and influence of water hardness on caffeine adsorption onto activated carbons. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 68-77.	1.7	56
23	Study of Pb <sup>2+</sup> adsorption in a packed bed column of bentonite using CFD. <i>Applied Clay Science</i> , 2015, 104, 48-58.	5.2	20
24	<b>Evaluation of NaX and NaY packed beds for chromium uptake from multicomponent solution<b>. <i>Acta Scientiarum - Technology</i> , 2014, 36, 279.	0.4	0
25	Experimental and modelling studies of ion exchange equilibria between zeolite NaY and an electrolytic solution of iron. <i>Fluid Phase Equilibria</i> , 2014, 372, 76-84.	2.5	5
26	Zinc adsorption in bentonite clay: influence of pH and initial concentration. <i>Acta Scientiarum - Technology</i> , 2013, 35, .	0.4	16
27	A kinetic and equilibrium study of zinc removal by Brazilian bentonite clay. <i>Materials Research</i> , 2013, 16, 128-136.	1.3	14
28	Competing Ion Exchange of Zn <sup>2+</sup> and Fe <sup>3+</sup> in NaY Zeolite. <i>Adsorption Science and Technology</i> , 2012, 30, 275-291.	3.2	5
29	Determination of the maximum retention of cobalt by ion exchange in h-zeolites. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 385-392.	1.3	5
30	Mass Transfer Mechanism of Ion Exchange in Fixed Bed Columns. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 375-382.	1.9	20
31	Estudo da remo�o do Fe (II) em colunas de leito fixo, utilizando-se a Zeólita NaY. <i>Acta Scientiarum - Technology</i> , 2011, 33, .	0.4	1
32	A comparative study for the ion exchange of Fe(III) and Zn(II) on zeolite NaY. <i>Journal of Hazardous Materials</i> , 2009, 161, 1404-1412.	12.4	124
33	Adsorption of Reactive Blue 5G Dye by Activated Carbon and Pyrolyzed Shale Oil Residue. <i>Adsorption Science and Technology</i> , 2007, 25, 741-749.	3.2	12
34	The Removal of Fe(III) Ions by Adsorption onto Zeolite Columns. <i>Adsorption Science and Technology</i> , 2007, 25, 757-768.	3.2	6
35	Chromium adsorption in olive stone activated carbon. <i>Adsorption</i> , 2006, 12, 155-162.	3.0	14
36	Chromium uptake from tricomponent solution in zeolite fixed bed. <i>Adsorption</i> , 2006, 12, 239-248.	3.0	21

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37	Thermodynamics of the Exchange Processes between $K^{+}$ , $Ca^{2+}$ and $Cr^{3+}$ in Zeolite NaA. Adsorption, 2004, 10, 227-235.	3.0	39
38	Removal of Cr(III) in the fixed bed column and batch reactors using as adsorbent zeolite NaX. Chemical Engineering Science, 2004, 59, 5959-5966.	3.8	73
39	Effect of Solution pH on the Removal of Paracetamol by Activated Carbon of Dende Coconut Mesocarp. Chemical and Biochemical Engineering Quarterly, 0, 29, 47-53.	0.9	45
40	Linear Driving Force Model in Carbon Dioxide Capture by Adsorption. Applied Mechanics and Materials, 0, 830, 38-45.	0.2	4
41	FUNCIONALIZAÇÃO ÁCIDA DE CARVÃO ATIVADO DE DENDÊ NA REMOÇÃO DE PARACETAMOL. , 0, , .		0