

MarÃ-a JosÃ© LÃ³pez-MuÃ±oz

List of Publications by Year in descending order

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2448
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#	ARTICLE	IF	CITATIONS
1	UV-Cured Chitosan and Gelatin Hydrogels for the Removal of As(V) and Pb(II) from Water. <i>Polymers</i> , 2022, 14, 1268.	2.0	15
2	In situ DRIFTS-MS study of EDTA photocatalytic degradation. <i>Catalysis Today</i> , 2021, 361, 2-10.	2.2	2
3	Synergistic and antagonistic effects in the photoelectrocatalytic disinfection of water with TiO ₂ supported on activated carbon as a bipolar electrode in a novel 3D photoelectrochemical reactor. <i>Separation and Purification Technology</i> , 2020, 247, 117002.	3.9	30
4	Assessment of different iron species as activators of S ₂ O ₈ ²⁻ and HSO ₅ ⁻ for inactivation of wild bacteria strains. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 54-61.	10.8	53
5	Photocatalytic abatement of emerging pollutants in pure water and wastewater effluent by TiO ₂ and Ce-ZnO: degradation kinetics and assessment of transformation products. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 845-852.	1.6	35
6	Microwave-assisted synthesis of TiO ₂ nanoparticles: photocatalytic activity of powders and thin films. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	56
7	Adsorption of arsenite and arsenate on binary and ternary magnetic nanocomposites with high iron oxide content. <i>Applied Surface Science</i> , 2018, 454, 87-100.	3.1	48
8	β-galactosidase covalent immobilization over large-pore mesoporous silica supports for the production of high galacto-oligosaccharides (GOS). <i>Microporous and Mesoporous Materials</i> , 2018, 257, 51-61.	2.2	30
9	Investigation of the photocatalytic transformation of acesulfame K in the presence of different TiO ₂ -based materials. <i>Chemosphere</i> , 2018, 193, 151-159.	4.2	4
10	Effect of thermal treatment on the photocatalytic behavior of TiO ₂ supported on zeolites. <i>New Journal of Chemistry</i> , 2018, 42, 12001-12007.	1.4	4
11	Production of High Galacto-oligosaccharides by Pectinex Ultra SP-L: Optimization of Reaction Conditions and Immobilization on Glyoxyl-Functionalized Silica. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1649-1658.	2.4	14
12	Microwave-assisted synthesis of Nb ₂ O ₅ for photocatalytic application of nanopowders and thin films. <i>Journal of Materials Research</i> , 2017, 32, 3271-3278.	1.2	52
13	Characterization and immobilization of engineered sialidases from <i>Trypanosoma rangeli</i> for transsialylation. <i>AIMS Molecular Science</i> , 2017, 4, 140-163.	0.3	8
14	Optimisation of the synthesis of high galacto-oligosaccharides (GOS) from lactose with β-galactosidase from <i>Kluyveromyces lactis</i> . <i>International Dairy Journal</i> , 2016, 61, 211-219.	1.5	44
15	Adsorption of Hg(II) from aqueous solutions using TiO ₂ and titanate nanotube adsorbents. <i>Applied Surface Science</i> , 2016, 367, 91-100.	3.1	58
16	CHAPTER 4. Solar Photocatalysis: Fundamentals, Reactors and Applications. <i>RSC Energy and Environment Series</i> , 2016, , 92-129.	0.2	5
17	Ethiopian natural zeolites for photocatalysis. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2015, 29, 431.	0.5	7
18	Coupling membrane separation and photocatalytic oxidation processes for the degradation of pharmaceutical pollutants. <i>Water Research</i> , 2013, 47, 5647-5658.	5.3	103

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19	Nanofiltration removal of pharmaceutically active compounds. <i>Desalination and Water Treatment</i> , 2012, 42, 138-143.	1.0	16
20	Influence of type and position of functional groups of phenolic compounds on NF/RO performance. <i>Journal of Membrane Science</i> , 2011, 372, 380-386.	4.1	38
21	Separation of phenols and their advanced oxidation intermediate products in aqueous solution by NF/RO membranes. <i>Separation and Purification Technology</i> , 2010, 71, 246-251.	3.9	17
22	Membrane treatment applied to aqueous solutions containing atrazine photocatalytic oxidation products. <i>Desalination and Water Treatment</i> , 2010, 21, 175-180.	1.0	9
23	Sol-Gel Titania and Titania-Silica Mixed Oxides Photocatalysts. <i>Solid State Phenomena</i> , 2010, 162, 221-238.	0.3	3
24	Influence of membrane, solute and solution properties on the retention of phenolic compounds in aqueous solution by nanofiltration membranes. <i>Separation and Purification Technology</i> , 2009, 66, 194-201.	3.9	127
25	Simultaneous photocatalytic reduction of silver and oxidation of cyanide from dicyanoargentate solutions. <i>Applied Catalysis B: Environmental</i> , 2009, 86, 53-62.	10.8	48
26	Home-prepared anatase, rutile, and brookite TiO ₂ for selective photocatalytic oxidation of 4-methoxybenzyl alcohol in water: reactivity and ATR-FTIR study. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 663-669.	1.6	62
27	Preparation of Co-doped TiO ₂ for Photocatalytic Degradation of NO _x in Air under Visible Light. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	5
28	Photocatalytic oxidation of aromatic alcohols to aldehydes in aqueous suspension of home-prepared titanium dioxide. <i>Applied Catalysis A: General</i> , 2008, 349, 182-188.	2.2	79
29	Photocatalytic oxidation of aromatic alcohols to aldehydes in aqueous suspension of home prepared titanium dioxide. <i>Applied Catalysis A: General</i> , 2008, 349, 189-197.	2.2	74
30	Photocatalytic Decolorization and Mineralization of Dyes with Nanocrystalline TiO ₂ /SiO ₂ Materials. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7605-7610.	1.8	40
31	On the comparison of photocatalysts activity: A novel procedure for the measurement of titania surface in TiO ₂ /SiO ₂ materials. <i>Catalysis Today</i> , 2007, 124, 103-109.	2.2	27
32	The influence of dissolved transition metals on the photocatalytic degradation of phenol with TiO ₂ . <i>Research on Chemical Intermediates</i> , 2007, 33, 377-392.	1.3	16
33	Fe/TiO ₂ /pH Interactions in Solar Degradation of Imidacloprid with TiO ₂ /SiO ₂ Photocatalysts at Pilot-Plant Scale. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 8900-8908.	1.8	28
34	A comprehensive study of the synthesis, characterization and activity of TiO ₂ and mixed TiO ₂ /SiO ₂ photocatalysts. <i>Applied Catalysis A: General</i> , 2006, 312, 202-212.	2.2	141
35	Photonic efficiency for methanol photooxidation and hydroxyl radical generation on silica-supported TiO ₂ photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2006, 62, 201-207.	10.8	86
36	Role of the support on the activity of silica-supported TiO ₂ photocatalysts: Structure of the TiO ₂ /SBA-15 photocatalysts. <i>Catalysis Today</i> , 2005, 101, 307-314.	2.2	122

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37	Photocatalytic degradation of iron(II) cyanocomplexes by TiO ₂ based catalysts. Applied Catalysis B: Environmental, 2005, 55, 201-211.	10.8	40
38	Photocatalytic gold recovery from spent cyanide plating bath solutions. Gold Bulletin, 2005, 38, 180-187.	3.2	21
39	Superoxide limits cyclosporine-A-induced formation of peroxynitrite in endothelial cells ² Part of this article has been previously published in abstract form in the 6th International Symposium on spin trapping, "Spin Traps, Nitroxides and Nitric Oxide: Spectroscopy, Chemistry and Free Radical Biology," August 27-31, 2000, Marseille, France. Abstract book page 48.. Free Radical Biology and Medicine, 2002, 32, 702-711.	1.3	18
40	Formation of peroxynitrite in vascular endothelial cells exposed to cyclosporine A. FASEB Journal, 2001, 15, 1291-1293.	0.2	47
41	Quantum yield of heterogeneous photocatalytic systems: Further application of an experimental method for determining the absorbed photon flow. Research on Chemical Intermediates, 1999, 25, 213-227.	1.3	22
42	Synthesis of mono- and di-nuclear palladium(II) complexes containing ylido ligands [PPh ₂ (CHCO ₂ R) ₂] ² (R = Me or Et). Crystal structures of [Pd{(CHCO ₂ Et) ₂ PPh ₂ } ₂], [Pd{(CHCO ₂ Et) ₂ PPh ₂ }Cl(PPh ₃)], and [Pd{(CHCO ₂ Et) ₂ PPh ₂ }(NC ₅ H ₅) ₂]ClO ₄ . Journal of the Chemical Society Dalton Transactions, 1990, , 3683-3689.	1.1	16