Artur JosÃ© Santos Mascarenhas

List of Publications by Year
in descending order

33 papers	823 citations	516710 16 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	1175 citing authors

#	Article	IF	Citations
1	Single Step Synthesis of Magnetic Materials Derived from Biomass Residues. Waste and Biomass Valorization, 2021, 12, 1039-1050.	3.4	4
2	Are diazides really dangerous compounds under ordinary conditions?. Tetrahedron Letters, 2020, 61, 152574.	1.4	3
3	Studies on the synthesis of ZSM-5 by interzeolite transformation from zeolite Y without using organic structure directing agents. Microporous and Mesoporous Materials, 2020, 306, 110413.	4.4	20
4	Oxidative dehydration of glycerol over alternative H,Fe-MCM-22 catalysts: Sustainable production of acrylic acid. Microporous and Mesoporous Materials, 2019, 278, 366-377.	4.4	28
5	Hydrothermal synthesis of bismuth niobates and their application in azo-dyes photo-discoloration. Materials Research Bulletin, 2018, 103, 166-172.	5.2	7
6	Development of composite membrane <scp>PBAT</scp>: Zeolite <scp>Y</scp> for application as rhynchophorol release system. Journal of Applied Polymer Science, 2018, 135, 45757.	2.6	6
7	N2O-assisted methanol selective oxidation to formaldehyde on cobalt oxide catalysts derived from layered double hydroxides. Catalysis Communications, 2018, 113, 32-35.	3.3	10
8	Validation of analytical method for rhynchophorol quantification and stability in inorganic matrix for the controlled release of this pheromone. Chemistry Central Journal, 2018, 12, 54.	2.6	3
9	Synthesis, characterization and evaluation of MFI zeolites as matrixes for rhynchophorol prolonged release. Microporous and Mesoporous Materials, 2017, 242, 99-108.	4.4	6
10	Preparation and evaluation of composite with a natural red clay and TiO2 for dye discoloration assisted by visible light. Applied Clay Science, 2017, 135, 603-610.	5.2	17
11	Gas phase glycerol oxidative dehydration over bifunctional V/H-zeolite catalysts with different zeolite topologies. Catalysis Today, 2017, 289, 38-46.	4.4	19
12	Alkali-activation of spent fluid cracking catalysts for CO 2 capture. Microporous and Mesoporous Materials, 2016, 232, 1-12.	4.4	14
13	MWW-type catalysts for gas phase glycerol dehydration to acrolein. Journal of Catalysis, 2016, 334, 34-41.	6.2	50
14	Reduced coke formation during the gas phase oxidative dehydration of glycerol over ferrierite zeolites synthesized in fluoride medium. Microporous and Mesoporous Materials, 2016, 223, 105-113.	4.4	23
15	Sonochemical synthesis of Cd1âˆ’xZnxS solid solutions for application in photocatalytic reforming of glycerol to produce hydrogen. Journal of Alloys and Compounds, 2015, 649, 332-336.	5.5	24
16	Photocatalytic hydrogen production with visible light over Mo and Cr-doped BiNb(Ta)O4. International Journal of Hydrogen Energy, 2014, 39, 1220-1227.	7.1	24
17	Synthesis of CdS nano-spheres by a simple and fast sonochemical method at room temperature. Materials Letters, 2014, 136, 111-113.	2.6	38
18	Optical and electronic properties of nanosized BiTaO₄ and BiNbO₄ photocatalysts: Experiment and theory. Physica Status Solidi (B): Basic Research, 2014, 251, 1034-1039.	1.5	11

#	Article	IF	Citations
19	Efficiency of zeolite MCM-22 with different SiO2/Al2O3 molar ratios in gas phase glycerol dehydration to acrolein. Microporous and Mesoporous Materials, 2013, 181, 74-82.	4.4	59
20	Study of electronic and optical properties of BiTaO₄ for photocatalysis. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1593-1596.	0.8	10
21	Bonding character of lithium atoms adsorbed on a graphene layer. Solid State Communications, 2011, 151, 529-531.	1.9	9
22	Synthesis of nanosized Î²-BiTaO4 by the polymeric precursor method. Materials Letters, 2010, 64, 1088-1090.	2.6	31
23	Synthesis and characterization of magnetic mesoporous particles. Journal of Colloid and Interface Science, 2010, 342, 269-277.	9.4	19
24	A DFT study of halogen atoms adsorbed on graphene layers. Nanotechnology, 2010, 21, 485701.	2.6	85
25	Adsorption of monovalent metal atoms on graphene: a theoretical approach. Nanotechnology, 2010, 21, 115701.	2.6	77
26	Selective catalytic oxidation of CO in H2 over copper-exchanged zeolites. Studies in Surface Science and Catalysis, 2007, 167, 195-200.	1.5	0
27	Selective catalytic oxidation of CO in H2. Reaction Kinetics and Catalysis Letters, 2005, 87, 3-9.	0.6	4
28	Spectroscopic and catalytic studies on Cu-MCM-22: Effect of copper loading. Studies in Surface Science and Catalysis, 2002, 142, 343-350.	1.5	5
29	NO and CO Adsorption on Over-Exchanged Cu-MCM-22:Â A FTIR Study. Langmuir, 2002, 18, 6875-6880.	3.5	26
30	One-Step Synthesis of Alkyltrimethylammonium-Intercalated Magadiite. Clays and Clay Minerals, 2000, 48, 224-229.	1.3	30
31	Co-ZSM-5 catalysts for N2O decomposition. Applied Catalysis B: Environmental, 1998, 18, 223-231.	20.2	145
32	Effects of additional gases on the catalytic decomposition of N2O over Cu-ZSM-5. Reaction Kinetics and Catalysis Letters, 1998, 64, 215-220.	0.6	15
33	Release of aggregation pheromone rhynchophorol from clay minerals montmorillonite and kaolinite. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	1