Amin Osatiashtiani

List of Publications by Year
in descending order

31 papers	1,695 citations	331259 21 h-index	454577 30 g-index
33 all docs	33 docs citations	33 times ranked	2251 citing authors

#	Article	IF	Citations
1	The mechanism of hydrogen donation by bio-acids over metal supported on nitrogen-doped carbon nanotubes. Molecular Catalysis, 2021, 499, 111289.	1.0	0
2	PdCu single atom alloys supported on alumina for the selective hydrogenation of furfural. Applied Catalysis B: Environmental, 2021, 299, 120652.	10.8	53
3	Monometallic and bimetallic catalysts based on Pd, Cu and Ni for hydrogen transfer deoxygenation of a prototypical fatty acid to diesel range hydrocarbons. Catalysis Today, 2020, 355, 882-892.	2.2	35
4	Kinetic modelling of hydrogen transfer deoxygenation of a prototypical fatty acid over a bimetallic Pd₆₀Cu₄₀catalyst: an investigation of the surface reaction mechanism and rate limiting step. Reaction Chemistry and Engineering, 2020, 5, 1682-1693.	1.9	7
5	Microwaveâ€assisted synthesis of levulinic acid from lowâ€cost, sustainable feedstocks using organic acids as green catalysts. Journal of Chemical Technology and Biotechnology, 2020, 95, 2110-2119.	1.6	8
6	The effect of metal precursor on copper phase dispersion and nanoparticle formation for the catalytic transformations of furfural. Applied Catalysis B: Environmental, 2020, 273, 119062.	10.8	46
7	A core-shell SO4/Mg-Al-Fe3O4 catalyst for biodiesel production. Applied Catalysis B: Environmental, 2019, 259, 118093.	10.8	93
8	Hydrogen donation of bio-acids over transition metal facets: A density functional theory study. Applied Catalysis A: General, 2019, 586, 117218.	2.2	5
9	Oxidative Thermal Sintering and Redispersion of Rh Nanoparticles on Supports with High Oxygen Ion Lability. Catalysts, 2019, 9, 541.	1.6	43
10	Ga/HZSM-5 Catalysed Acetic Acid Ketonisation for Upgrading of Biomass Pyrolysis Vapours. Catalysts, 2019, 9, 841.	1.6	20
11	The catalytic cracking of sterically challenging plastic feedstocks over high acid density Al-SBA-15 catalysts. Applied Catalysis A: General, 2019, 570, 218-227.	2.2	59
12	Effect of support oxygen storage capacity on the catalytic performance of Rh nanoparticles for CO2 reforming of methane. Applied Catalysis B: Environmental, 2019, 243, 490-501.	10.8	178
13	A magnetically separable SO4/Fe-Al-TiO2 solid acid catalyst for biodiesel production from waste cooking oil. Applied Catalysis B: Environmental, 2018, 234, 268-278.	10.8	222
14	Synthesis of Amine Functionalized Mesoporous Silicas Templated by Castor Oil for Transesterification. MRS Advances, 2018, 3, 2261-2269.	0.5	6
15	Zirconia catalysed acetic acid ketonisation for pre-treatment of biomass fast pyrolysis vapours. Catalysis Science and Technology, 2018, 8, 1134-1141.	2.1	31
16	Tuning solid catalysts to control regioselectivity in cross aldol condensations with unsymmetrical ketones for biomass conversion. Molecular Catalysis, 2018, 458, 247-260.	1.0	12
17	ZrO₂-SBA-15 catalysts for the one-pot cascade synthesis of GVL from furfural. Catalysis Science and Technology, 2018, 8, 4485-4493.	2.1	69
18	Recent advances in the production of Î³â€valerolactone from biomassâ€derived feedstocks via heterogeneous catalytic transfer hydrogenation. Journal of Chemical Technology and Biotechnology, 2017, 92, 1125-1135.	1.6	92

#	Article	IF	Citations
19	On the influence of Si:Al ratio and hierarchical porosity of FAU zeolites in solid acid catalysed esterification pretreatment of bio-oil. Biomass Conversion and Biorefinery, 2017, 7, 331-342.	2.9	50
20	Efficient one-pot production of Î³-valerolactone from xylose over Zr-Al-Beta zeolite: rational optimization of catalyst synthesis and reaction conditions. Green Chemistry, 2017, 19, 5114-5121.	4.6	57
21	H5PW10V2O40@VOx/SBA-15-NH2 catalyst for the solventless synthesis of 3-substituted indoles. Tetrahedron, 2017, 73, 5862-5871.	1.0	23
22	A magnetically-separable H 3 PW 12 O 40 @Fe 3 O 4 /EN-MIL-101 catalyst for the one-pot solventless synthesis of 2H-indazolo[2,1- b] phthalazine-triones. Molecular Catalysis, 2017, 440, 96-106.	1.0	42
23	Impact of Macroporosity on Catalytic Upgrading of Fast Pyrolysis Bioâ€Oil by Esterification over Silica Sulfonic Acids. ChemSusChem, 2017, 10, 3506-3511.	3.6	24
24	Acidity-Reactivity Relationships in Catalytic Esterification over Ammonium Sulfate-Derived Sulfated Zirconia. Catalysts, 2017, 7, 204.	1.6	41
25	Niobic acid nanoparticle catalysts for the aqueous phase transformation of glucose and fructose to 5-hydroxymethylfurfural. Catalysis Science and Technology, 2016, 6, 7334-7341.	2.1	29
26	Influence of alkyl chain length on sulfated zirconia catalysed batch and continuous esterification of carboxylic acids by light alcohols. Green Chemistry, 2016, 18, 5529-5535.	4.6	52
27	Hydrothermally Stable, Conformal, Sulfated Zirconia Monolayer Catalysts for Glucose Conversion to 5-HMF. ACS Catalysis, 2015, 5, 4345-4352.	5.5	137
28	Valorisation of Vietnamese Rice Straw Waste: Catalytic Aqueous Phase Reforming of Hydrolysate from Steam Explosion to Platform Chemicals. Catalysts, 2014, 4, 414-426.	1.6	13
29	Bifunctional SO₄/ZrO₂catalysts for 5-hydroxymethylfufural (5-HMF) production from glucose. Catalysis Science and Technology, 2014, 4, 333-342.	2.1	153
30	Conformal sulfated zirconia monolayer catalysts for the one-pot synthesis of ethyl levulinate from glucose. Chemical Communications, 2014, 50, 11742-11745.	2.2	88
31	Reforming of Syngas from Biomass Gasification: Deactivation by Tar and Potassium Species. Topics in Catalysis, 2011, 54, 960-966.	1.3	6