Maciej Trejda

List of Publications by Year
in descending order

50	929	393982	454577
papers	citations	19 h-index	30 g-index

50	50	50	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Niobium rich SBA-15 materials â€“ preparation, characterisation and catalytic activity. Microporous and Mesoporous Materials, 2008, 110, 271-278.	2.2	66
2	Catalytic performance of niobium species in crystalline and amorphous solidsâ€”Gas and liquid phase oxidation. Applied Catalysis A: General, 2011, 391, 194-204.	2.2	62
3	The Role of BrÃ¸nsted and Lewis Acid Sites in Acetalization of Glycerol over Modified Mesoporous Cellular Foams. Journal of Physical Chemistry C, 2016, 120, 16699-16711.	1.5	62
4	Development of niobium containing acidic catalysts for glycerol esterification. Catalysis Today, 2012, 187, 129-134.	2.2	55
5	Template synthesis and characterisation of MCM-41 mesoporous molecular sieves containing various transition metal elementsâ€”TME (Cu, Fe, Nb, V, Mo). Journal of Physics and Chemistry of Solids, 2004, 65, 571-581.	1.9	54
6	Methanol oxidation on VSiBEA zeolites: Influence of V content on the catalytic properties. Journal of Catalysis, 2011, 281, 169-176.	3.1	53
7	New catalysts for biodiesel additives production. Applied Catalysis B: Environmental, 2011, 103, 404-412.	10.8	48
8	Nature of vanadium species in V substituted zeolites: A combined experimental and theoretical study. Catalysis Today, 2008, 139, 221-226.	2.2	42
9	New Nb and Taâ€“FAU zeolitesâ€”Direct synthesis, characterisation and surface properties. Catalysis Today, 2010, 158, 170-177.	2.2	39
10	Physicochemical and catalytic properties of iron-doped silicaâ€”the effect of preparation and pretreatment methods. Journal of Catalysis, 2003, 219, 146-155.	3.1	37
11	Real-Time Raman Monitoring and Control of the Catalytic Acetalization of Glycerol with Acetone over Modified Mesoporous Cellular Foams. Journal of Physical Chemistry C, 2014, 118, 10780-10791.	1.5	35
12	Iron Modified MCM-41 Materials Characterised by Methanol Oxidation and Sulphurisation Reactions. Catalysis Letters, 2006, 108, 141-146.	1.4	29
13	Gold, vanadium and niobium containing MCM-41 materialsâ€”Catalytic properties in methanol oxidation. Catalysis Today, 2008, 139, 188-195.	2.2	28
14	Development of basicity in mesoporous silicas and metallosilicates. Catalysis Science and Technology, 2017, 7, 5236-5248.	2.1	27
15	Organosilanes affecting the structure and formation of mesoporous cellular foams. Microporous and Mesoporous Materials, 2012, 155, 143-152.	2.2	26
16	The production of biofuels additives on sulphonated MCF materials modified with Nb and Taâ€”Towards efficient solid catalysts of esterification. Applied Catalysis A: General, 2013, 467, 325-334.	2.2	25
17	The radical species and impurities present in mesoporous silicas as oxidation active centres. Microporous and Mesoporous Materials, 2009, 120, 214-220.	2.2	23
18	Iron containing mesoporous solids: preparation, characterisation, and surface properties. Comptes Rendus Chimie, 2005, 8, 635-654.	0.2	20

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19	Nb-containing mesoporous materials of MCF typeâ€"Acidic and oxidative properties. Catalysis Today, 2008, 139, 196-201.	2.2	19
20	The role of Nb in the formation of sulphonic species in SBA-15 and MCF functionalised with MPTMS. Catalysis Today, 2012, 192, 130-135.	2.2	19
21	Methanol Oxidation to Formaldehyde on VSiBEA Zeolite: A Combined DFT/vdW/Transition Path Sampling and Experimental Study. Journal of Physical Chemistry C, 2015, 119, 13619-13631.	1.5	14
22	Synthesis of solid acid catalysts for esterification with the assistance of elevated pressure. Microporous and Mesoporous Materials, 2019, 278, 115-120.	2.2	13
23	New iron containing mesoporous catalysts. Catalysis Today, 2005, 101, 109-116.	2.2	12
24	New phospho-silicate and niobo-phospho-silicate MCF materials modified with MPTMS â€“ Structure, surface and catalytic properties. Microporous and Mesoporous Materials, 2013, 181, 88-98.	2.2	11
25	Esterification processes based on functionalized mesoporous solids. Catalysis Today, 2015, 254, 104-110.	2.2	11
26	Characterisation of iron containing molecular sievesâ€"the effect of T-element on Fe species. Studies in Surface Science and Catalysis, 2002, 142, 1785-1792.	1.5	10
27	Ca/MCF catalysts â€" The impact of niobium and material structure on basicity. Catalysis Today, 2019, 325, 11-17.	2.2	10
28	Various hexagonally ordered mesoporous silicas as supports for chromium speciesâ€"The effect of support on surface properties. Applied Catalysis A: General, 2009, 365, 135-140.	2.2	9
29	Insight into the interaction of calcium species with mesoporous silica and niobiosilica. Materials Research Bulletin, 2018, 97, 530-536.	2.7	9
30	Incorporation of group five elements into the faujasite structure. Studies in Surface Science and Catalysis, 2010, , 445-448.	1.5	7
31	Preparation of two series of VxSiBeta zeolite catalysts with V centres in framework and extra-framework positions and their application in selective oxidation of methanol. Applied Catalysis A: General, 2019, 579, 1-8.	2.2	7
32	Comparative study of MCM-22 and MCM-56 modified with molybdenum â€“ Impact of the metal on acidic and oxidative properties of zeolites. Microporous and Mesoporous Materials, 2014, 197, 185-193.	2.2	5
33	Structure and Reactivity of Zeolites Containing Group Five Elements (V, Nb, Ta). Structure and Bonding, 2017, , 179-249.	1.0	4
34	An efficient synthesis of acidic mesoporous materials. Catalysis Today, 2020, 354, 61-66.	2.2	4
35	Ce and Ca/Nb doped Pd-mesocellular foam catalysts for gas-phase conversion of acetone to methyl isobutyl ketone. Microporous and Mesoporous Materials, 2021, 322, 111169.	2.2	4
36	Copper Supported on Ceria Mesocellular Foam Silica as an Effective Catalyst for Reductive Condensation of Acetone to Methyl Isobutyl Ketone. ChemSusChem, 2022, 15, .	3.6	4

#	Article	IF	Citations
37	FTIR study of FE-doped MCM-41 mesoporous molecular sieves. Studies in Surface Science and Catalysis, 2004, 154, 1490-1497.	1.5	3
38	Mesostructured cellular foams modified by niobium or tantalum and functionalized with (3-mercaptopropyl)trimethoxysilane â€“ Raman inspired reduction of synthesis time. Catalysis Today, 2015, 254, 111-118.	2.2	3
39	Calcium and nitrogen species loaded into SBA-15 â€“ a promising catalyst tested in Knoevenagel condensation. Dalton Transactions, 2020, 49, 9781-9794.	1.6	3
40	The impact of Ce/Nb dopant ratio on basicity of MCF modified with calcium species. Catalysis Communications, 2020, 142, 106045.	1.6	3
41	Insight into Active Centers and Anti-Coke Behavior of Niobium-Containing SBA-15 for Glycerol Dehydration. Catalysts, 2021, 11, 488.	1.6	3
42	Application of microwave radiation in the grafting of acidic sites on SBA-15 type material. Journal of Porous Materials, 2021, 28, 1261-1267.	1.3	3
43	Relationship between basicity, reducibility and partial oxidation properties of chromium containing MCM-41. RSC Advances, 2014, 4, 62940-62946.	1.7	2
44	Impact of Cerium Oxide on the State and Hydrogenation Activity of Ruthenium Species Incorporated on Mesocellular Foam Silica. Materials, 2022, 15, 4877.	1.3	2
45	Generation of iron active species in MCM-41 materials. Studies in Surface Science and Catalysis, 2005, 158, 829-836.	1.5	1
46	Fascinating catalysis â€“ Past, present and future. Catalysis Today, 2020, 354, 1-2.	2.2	1
47	Towards Efficient Acidic Catalysts via Optimization of SO3H-Organosilane Immobilization on SBA-15 under Increased Pressure: Potential Applications in Gas and Liquid Phase Reactions. Materials, 2021, 14, 7226.	1.3	1
48	Spherical Silica Modified with Magnesium and Rutheniumâ€”Synthesis, Characterization and Catalytic Properties. Materials, 2021, 14, 7378.	1.3	1
49	Iron Containing Mesoporous Solids: Preparation, Characterisation, and Surface Properties. ChemInform, 2005, 36, no.	0.1	0
50	The Impact of 3-(trihydroxysilyl)-1-propanesulfonic Acid Treatment on the State of Vanadium Incorporated on SBA-15 Matrix. Catalysts, 2021, 11, 397.	1.6	0