Teresa Grzybek

List of Publications by Citations

61 papers	2,099 citations	27 h-index	45 g-index
64 ext. papers	2,445 ext. citations	5.7 avg, IF	5.22 L-index

#	Paper	IF	Citations
61	X-ray photoelectron spectroscopy study of oxidized coals with different sulphur content. *Fuel Processing Technology*, **2002**, 77-78, 1-7	7.2	120
60	La-promoted Ni-hydrotalcite-derived catalysts for dry reforming of methane at low temperatures. *Fuel*, **2016**, 182, 8-16	7.1	118
59	Ni-containing Ce-promoted hydrotalcite derived materials as catalysts for methane reforming with carbon dioxide at low temperature □On the effect of basicity. *Catalysis Today*, **2015**, 257, 59-65	5.3	113
58	Novel Ni-La-hydrotalcite derived catalysts for CO2 methanation. *Catalysis Communications*, **2016**, 83, 5-8	3.2	112
57	Influence of nitrogen surface functionalities on the catalytic activity of activated carbon in low temperature SCR of NO with NH3. *Catalysis Today*, **2004**, 90, 51-59	5.3	95
56	Methane dry reforming over hydrotalcite-derived Ni□MgAl mixed oxides: the influence of Ni content on catalytic activity, selectivity and stability. *Catalysis Science and Technology*, **2016**, 6, 6705-6715	5.5	90
55	Low temperature dry methane reforming over Ce, Zr and CeZr promoted Ni□MgAl hydrotalcite-derived catalysts. *International Journal of Hydrogen Energy*, **2016**, 41, 11616-11623	6.7	90
54	XPS study of pyrite-free coals subjected to different oxidizing agents. *Fuel*, **2007**, 86, 2616-2624	7.1	90
53	A Short Review on the Catalytic Activity of Hydrotalcite-Derived Materials for Dry Reforming of Methane. *Catalysts*, **2017**, 7, 32	4	78
52	Promotion effect of zirconia on Mg(Ni,Al)O mixed oxides derived from hydrotalcites in CO2 methane reforming. *Applied Catalysis B: Environmental*, **2018**, 223, 36-46	21.8	73
51	The influence of nickel content on the performance of hydrotalcite-derived catalysts in CO 2 methanation reaction. *International Journal of Hydrogen Energy*, **2017**, 42, 23548-23555	6.7	68
50	Selective catalytic reduction of nitric oxide by ammonia on Fe3+-promoted active carbon. *Applied Catalysis B: Environmental*, **1992**, 1, 271-283	21.8	66
49	Examination of the influence of La promotion on Ni state in hydrotalcite-derived catalysts under CO2 methanation reaction conditions: Operando X-ray absorption and emission spectroscopy investigation. *Applied Catalysis B: Environmental*, **2018**, 232, 409-419	21.8	58
48	Yttrium promoted Ni-based double-layered hydroxides for dry methane reforming. *Journal of CO2 Utilization*, **2018**, 27, 247-258	7.6	58
47	Syngas production from dry methane reforming over yttrium-promoted nickel-KIT-6 catalysts. *International Journal of Hydrogen Energy*, **2019**, 44, 274-286	6.7	52
46	The influence of oxidation with air in comparison to oxygen in sodium carbonate solution on the surface composition of coals of different ranks. *Fuel*, **2006**, 85, 1016-1023	7.1	48
45	Influence of Ce/Zr molar ratio on catalytic performance of hydrotalcite-derived catalysts at□low temperature CO 2 methane reforming. *International Journal of Hydrogen Energy*, **2017**, 42, 23556-23567	6.7	46

44	The influence of the promotion of N-modified activated carbon with iron on NO removal by NH3-SCR (Selective catalytic reduction). *Energy*, **2016**, 116, 1484-1491	7.9	43
43	The influence of lanthanum incorporation method on the performance of nickel-containing hydrotalcite-derived catalysts in CO2 methanation reaction. *Catalysis Today*, **2018**, 307, 205-211	5.3	39
42	Supported manganese catalysts for the selective catalytic reduction of nitrogen oxides with ammonia Part II. Catalytic experiments. *Physical Chemistry Chemical Physics*, **1999**, 1, 341-348	3.6	38
41	The influence of the modification of carbonaceous materials on their catalytic properties in SCR-NH3. A short review. *Comptes Rendus Chimie*, **2015**, 18, 1049-1073	2.7	37
40	Dry reforming of methane over Zr- and Y-modified Ni/Mg/Al double-layered hydroxides. *Catalysis Communications*, **2018**, 117, 26-32	3.2	33
39	Nitrogen promoted activated carbons as DeNOx catalysts. 2. The influence of water on the catalytic performance. *Catalysis Today*, **2011**, 176, 303-308	5.3	33
38	Catalytic activity of hydrotalcite-derived catalysts in the dry reforming of methane: on the effect of Ce promotion and feed gas composition. *Reaction Kinetics, Mechanisms and Catalysis*, **2017**, 121, 185-208	1.6	32
37	Ni-Fe layered double hydroxide derived catalysts for non-plasma and DBD plasma-assisted CO2 methanation. *International Journal of Hydrogen Energy*, **2020**, 45, 10423-10432	6.7	30
36	Ni Al hydrotalcite-like material as the catalyst precursors for the dry reforming of methane at low temperature. *Comptes Rendus Chimie*, **2015**, 18, 1205-1210	2.7	29
35	Effect of nickel incorporation into hydrotalcite-based catalyst systems for dry reforming of methane. *Research on Chemical Intermediates*, **2015**, 41, 9485-9495	2.8	27
34	Surface Changes in Coals after Oxidation. 1. X-ray Photoelectron Spectroscopy Studies *Langmuir*, **1997**, 13, 909-912	4	27
33	Manganese supported catalysts for selective catalytic reduction of nitrogen oxides with ammonia Part 1 Characterization. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 2843-2850		27
32	Pillared smectite modified with carbon and manganese as catalyst for SCR of NOx with NH3. Part I. General characterization and catalyst screening. *Catalysis Letters*, **2000**, 68, 95-100	2.8	26
31	Ce- and Y-Modified Double-Layered Hydroxides as Catalysts for Dry Reforming of Methane: On the Effect of Yttrium Promotion. *Catalysts*, **2019**, 9, 56	4	24
30	Influence of the nature and environment of vanadium in VSiBEA zeolite on selective catalytic reduction of NO with ammonia. *Applied Catalysis B: Environmental*, **2013**, 136-137, 186-192	21.8	21
29	Layered clays as SCR deNOx catalysts. *Catalysis Today*, **2007**, 119, 125-132	5.3	21
28	The influence of the addition of cobalt nickel, manganese and vanadium to active carbons on their efficiency in So2 removal from stack gases. *Fuel*, **1992**, 71, 1303-1308	7.1	21
27	The interaction of NO with active carbons promoted with transition metal oxides/hydroxides. *Catalysis Today*, **2004**, 90, 61-68	5.3	20

26	Influence of the nature and environment of cobalt on the catalytic activity of Co-BEA zeolites in selective catalytic reduction of NO with ammonia. *Microporous and Mesoporous Materials*, **2016**, 225, 515-523	5.3	19
25	Surface interaction between methane and alkali/alkaline-earth oxide catalysts. *Journal of Catalysis*, **1991**, 129, 106-113	7.3	17
24	On the effect of yttrium promotion on Ni-layered double hydroxides-derived catalysts for hydrogenation of CO2 to methane. *International Journal of Hydrogen Energy*, **2021**, 46, 12169-12179	6.7	16
23	The influence of nitrogen groups introduced onto activated carbons by high- or low-temperature NH3 treatment on SO2 sorption capacity. *Adsorption Science and Technology*, **2017**, 35, 572-581	3.6	12
22	Effect of postsynthesis preparation procedure on the state of copper in CuBEA zeolites and its catalytic properties in SCR of NO with NH3. *Applied Catalysis A: General*, **2016**, 523, 332-342	5.1	12
21	High activity of mononuclear copper present in the framework of CuSiBEA zeolites in the selective catalytic reduction of NO with NH 3. *Microporous and Mesoporous Materials*, **2016**, 226, 104-109	5.3	11
20	Understanding of tri-reforming of methane over Ni/Mg/Al hydrotalcite-derived catalyst for CO2 utilization from flue gases from natural gas-fired power plants. *Journal of CO2 Utilization*, **2020**, 42, 101317	7.6	10
19	Synthesis strategies of Zr- and Y-promoted mixed oxides derived from double-layered hydroxides for syngas production via dry reforming of methane. *International Journal of Hydrogen Energy*, **2021**, 46, 12128-12144	6.7	10
18	An XPS study of the interaction of ammonia and nitric oxide with FenOy and active-carbon-supported iron oxides. *Fuel*, **1993**, 72, 619-622	7.1	9
17	Characterization of Cu and K containing Fe/Mn oxide catalysts for fischer-tropsch synthesis. *Chemical Engineering and Technology*, **1990**, 13, 156-161	2	9
16	Effect of low loading of yttrium on Ni-based layered double hydroxides in CO2 reforming of CH4. *Reaction Kinetics, Mechanisms and Catalysis*, **2019**, 126, 611-628	1.6	9
15	The influence of poisoning on the deactivation of DeNOx catalysts. *Comptes Rendus Chimie*, **2015**, 18, 1036-1048	2.7	8
14	Reduction of N2O over carbon fibers promoted with transition metal oxides/hydroxides. *Catalysis Today*, **2005**, 101, 93-107	5.3	8
13	Selective catalytic reduction of nitric oxide with ammonia on Mn-promoted carbonized used silica□lumina sorbents. *Catalysis Letters*, **1999**, 63, 107-111	2.8	8
12	XPS studies of NO selective reduction catalysts after SO2 poisoning. *Surface and Interface Analysis*, **1995**, 23, 815-822	1.5	7
11	Surface composition and selectivity of sodium-compound-impregnated calcium oxide catalysts for the oxidative coupling of methane. *Applied Catalysis A: General*, **1993**, 107, 115-124	5.1	7
10	Tri-reforming as a process of CO2utilization and a novel concept of energy storage in chemical products. *E3S Web of Conferences*, **2017**, 14, 02038	0.5	4
9	Carbon-Covered Clays as Catalytic Supports. 1. Iron-Promoted Samples as Denox Catalysts. *Catalysis Letters*, **2002**, 81, 193-197	2.8	4

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8	Montmorillonites Modified with Carbonaceous Deposits. *Journal of Colloid and Interface Science*, **2000**, 227, 291-301	9.3	4
7	On the effect of introducing Zn2+ cations onto the surface of a NaOH-CaO catalyst on its selectivity in the oxidative coupling of methane. *Applied Catalysis A: General*, **1994**, 118, L103-L110	5.1	3
6	Ceria promotion over Ni-containing hydrotalcite-derived catalysts for CO2methane reforming. *E3S Web of Conferences*, **2017**, 14, 02039	0.5	2
5	Catalysts based on carbon xerogels with high catalytic activity for the reduction of NOx at low temperatures. *Catalysis Today*, **2020**, 356, 301-311	5.3	2
4	The application of modified cenospheres in DeNOx process. *E3S Web of Conferences*, **2019**, 108, 02019	0.5	1
3	Surface Changes in Coals after Oxidation. 2. H2O Sorption Studies *Langmuir*, **1997**, 13, 1123-1127	4	1
2	Nanooxides Derived from Hydrotalcites as Catalysts for Dry Methane Reforming Reaction - Effect of [Ni(EDTA)]2- Adsorption Time. *Materials Science Forum*, **2016**, 879, 396-401	0.4	0
1	The influence of the modification of acidic montmorillonites with polyacrylamide and copper deposition on SCR-NH3 catalytic performance. *E3S Web of Conferences*, **2017**, 14, 02037	0.5	