

Oscar Alfredo Anunziata

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86
papers

1,354
citations

22
h-index

31
g-index

89
ext. papers

1,434
ext. citations

4.4
avg, IF

4.41
L-index

#	Paper	IF	Citations
86	Synthesis and characterization of SBA-3, SBA-15, and SBA-1 nanostructured catalytic materials. <i>Journal of Colloid and Interface Science</i> , 2007 , 315, 184-90	9.3	66
85	Catalytic Activation of Methane Using n-Pentane as Co-reactant over Zn/H-ZSM-11 Zeolite. <i>Catalysis Letters</i> , 2003 , 87, 167-171	2.8	63
84	Synthesis and Characterization of Al-MCM-41 and Al-MCM-48 Mesoporous Materials. <i>Catalysis Letters</i> , 2002 , 78, 65-75	2.8	61
83	Improvement of methane activation using n-hexane as co-reactant over Zn/HZSM-11 zeolite. <i>Catalysis Communications</i> , 2004 , 5, 401-405	3.2	45
82	Vanadium and titanium oxide supported on mesoporous CMK-3 as new catalysts for oxidative desulfurization. <i>Catalysis Today</i> , 2017 , 282, 123-132	5.3	44
81	Vanadium oxide supported on mesoporous SBA-15 modified with Al and Ga as a highly active catalyst in the ODS of DBT. <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 96-113	5.3	41
80	Studies of Vitamin K3 synthesis over Ti-containing mesoporous material. <i>Applied Catalysis A: General</i> , 2004 , 270, 77-85	5.1	40
79	Preparation and characterization of aluminium containing MCM-41. <i>Catalysis Communications</i> , 2003 , 4, 118-123	3.2	39
78	Catalytic conversion of natural gas with added ethane and LPG over Zn-ZSM-11. <i>Applied Catalysis A: General</i> , 2000 , 190, 169-176	5.1	39
77	Sulfur elimination by oxidative desulfurization with titanium-modified SBA-16. <i>Catalysis Today</i> , 2016 , 271, 102-113	5.3	38
76	Nature of the active sites in H-ZSM-11 zeolite modified with Zn(2+) and Ga(3+). <i>Catalysis Letters</i> , 1993 , 19, 143-151	2.8	38
75	Synthesis of menadione over selective oxidation zeolites. <i>Journal of Molecular Catalysis A</i> , 1999 , 149, 255-261		32
74	Methane Transformation using Light Gasoline as Co-Reactant over Zn/H-ZSM11. <i>Catalysis Letters</i> , 2006 , 107, 111-116	2.8	28
73	Catalytic degradation of high density polyethylene over microporous and mesoporous materials. <i>Microporous and Mesoporous Materials</i> , 2005 , 81, 155-159	5.3	28
72	Thermal and FTIR spectroscopic analysis of the interactions of aniline adsorbed on to MCM-41 mesoporous material. <i>Journal of Colloid and Interface Science</i> , 2003 , 263, 400-7	9.3	26
71	Hydrogenation of Tetralin Over Ir Catalysts Supported on Titania-Modified SBA-16. <i>Catalysis Letters</i> , 2014 , 144, 783-795	2.8	25
70	Characterization and acidic properties of Al-SBA-3 mesoporous material. <i>Materials Letters</i> , 2010 , 64, 545-548	5.48	25

69	Methane direct conversion to aromatic hydrocarbons at low reaction temperature. <i>Reaction Kinetics and Catalysis Letters</i> , 1997 , 60, 101-106		25
68	Methane transformation into aromatic hydrocarbons by activation with LPG over Zn-ZSM-11 zeolite. <i>Catalysis Letters</i> , 1999 , 58, 235-239	2.8	25
67	HDN of indole over Ir-modified Ti-SBA-15. <i>Applied Catalysis B: Environmental</i> , 2016 , 192, 220-233	21.8	23
66	Preparation and characterization of polyaniline-containing Na-AlMCM-41 as composite material with semiconductor behavior. <i>Journal of Colloid and Interface Science</i> , 2005 , 292, 509-16	9.3	22
65	Conversion of fermentation products to aromatic hydrocarbons over zeolite-type HZSM-5 in one step. <i>Applied Catalysis</i> , 1985 , 15, 235-245		22
64	Fe-containing ZSM-11 zeolites as active catalyst for SCR of NOx. <i>Applied Catalysis A: General</i> , 2004 , 264, 93-101	5.1	21
63	Ethane conversion into aromatic hydrocarbons over molybdenum-containing MEL zeolites. <i>Applied Catalysis A: General</i> , 1999 , 182, 267-274	5.1	21
62	Selective ethane conversion into aromatic hydrocarbons over Zn-ZSM-11 zeolite. <i>Reaction Kinetics and Catalysis Letters</i> , 1998 , 63, 271-278		20
61	Methane transformation into aromatic hydrocarbons by activation with ethane over Zn-ZSM-11 zeolite. <i>Studies in Surface Science and Catalysis</i> , 1998 , 119, 235-240	1.8	20
60	Synthesis and characterization of conducting polypyrrole/SBA-3 and polypyrrole/NaAlSBA-3 composites. <i>Materials Research Bulletin</i> , 2013 , 48, 661-667	5.1	19
59	Synthesis at atmospheric pressure and characterization of highly ordered Al, V, and Ti-MCM-41 mesostructured catalysts. <i>Catalysis Today</i> , 2008 , 133-135, 891-896	5.3	19
58	Synthesis and characterization of a novel composite: Polyindole included in nanostructured Al-MCM-41 material. <i>Microporous and Mesoporous Materials</i> , 2012 , 153, 191-197	5.3	18
57	Synthesis and characterization of Pt-CMK-3 hybrid nanocomposite for hydrogen storage. <i>International Journal of Energy Research</i> , 2015 , 39, 128-139	4.5	17
56	Simultaneous optimization of methane conversion and aromatic yields by catalytic activation with ethane over Zn-ZSM-11 zeolite: The influence of the Zn-loading factor. <i>Catalysis Today</i> , 2011 , 171, 36-42	5.3	16
55	In-containing H-ZSM5 zeolites with various Si/Al ratios for the NO SCR in the presence of CH4 and O2. PAC, TPAD and FTIR studies. <i>Catalysis Today</i> , 1999 , 54, 553-558	5.3	16
54	Experimental design optimization of the tetralin hydrogenation over IrPt-SBA-15. <i>Catalysis Today</i> , 2016 , 271, 140-148	5.3	15
53	Hydrogenation of tetralin in presence of nitrogen using a noble-bimetallic couple over a Ti-modified SBA-15. <i>Catalysis Today</i> , 2017 , 282, 111-122	5.3	15
52	Hydroxyapatite/MCM-41 and SBA-15 Nano-Composites: Preparation, Characterization and Applications. <i>Materials</i> , 2009 , 2, 1508-1519	3.5	15

51	Fourier Transform IR Study of NO + CH ₄ + O ₂ Coadsorption on In-ZSM-5 DeNO _x Catalyst. <i>Catalysis Letters</i> , 2003 , 91, 19-24	2.8	15
50	Noble-bimetallic supported CMK-3 as a novel catalyst for hydrogenation of tetralin in the presence of sulfur and nitrogen. <i>Fuel</i> , 2017 , 188, 155-165	7.1	14
49	Synthesis, characterization and catalytic activity of ALSBA-3 mesoporous catalyst having variable silicon-to-aluminum ratios. <i>Microporous and Mesoporous Materials</i> , 2011 , 144, 183-190	5.3	14
48	Aromatization of natural propane using modified molecular-shape selective zeolites. <i>Reaction Kinetics and Catalysis Letters</i> , 1991 , 43, 67-73		14
47	Zn-ZSM-11 zeolite catalyst for LPG aromatization. <i>Catalysis Letters</i> , 1992 , 16, 437-441	2.8	14
46	Synthesis and characterization of new composites: PANI/Na-ALSBA-3 and PANI/Na-ALSBA-16. <i>Materials Research Bulletin</i> , 2011 , 46, 1011-1021	5.1	13
45	n-Pentane conversion to aromatic hydrocarbons over Zn-ZSM-11 zeolite. <i>Reaction Kinetics and Catalysis Letters</i> , 1989 , 39, 75-80		13
44	Transalkylation of naphthalene with mesitylene over H-ZSM-11 zeolite. <i>Catalysis Letters</i> , 1997 , 44, 259-263		12
43	In-containing BEA zeolite for selective catalytic reduction of NO _x : Part I: Synthesis, characterization and catalytic activity. <i>Journal of Molecular Catalysis A</i> , 2007 , 267, 194-201		12
42	Interaction of water and aniline adsorbed onto Na-ALMCM-41 and Na-ALSBA-15 catalysts as hosts materials. <i>Catalysis Today</i> , 2008 , 133-135, 897-905	5.3	12
41	Novel Preparation of Titania-Modified CMK-3 Nanostructured Material as Support for Ir Catalyst Applied in Hydrodenitrogenation of Indole. <i>Catalysis Letters</i> , 2017 , 147, 1029-1039	2.8	10
40	Novel preparation of CMK-3 nanostructured material modified with titania applied in hydrogen uptake and storage. <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 146-152	5.3	10
39	Preparation and characterization of activated CMK-1 with Zn and Ni species applied in hydrogen storage. <i>International Journal of Energy Research</i> , 2015 , 39, 941-953	4.5	10
38	Optimization of the synthesis of SBA-3 mesoporous materials by experimental design. <i>Microporous and Mesoporous Materials</i> , 2016 , 227, 9-15	5.3	10
37	Hydrogenation of Tetralin over Ir-Containing Mesoporous Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 7185-7195	3.9	10
36	In-containing BEA zeolite for selective catalytic reduction of NO _x . <i>Journal of Molecular Catalysis A</i> , 2007 , 267, 272-279		10
35	Transformation of light paraffins into aromatic hydrocarbons over H-ZSM-11 zeolite. <i>Reaction Kinetics and Catalysis Letters</i> , 1988 , 37, 205-210		10
34	Expanded regional rate analysis: A novel method to determine regional formation rates in catalyzed reactions. <i>Applied Catalysis A: General</i> , 1997 , 165, 35-49	5.1	9

33	Catalytic Activity of ZSM-11 Zeolites Modified with Metal Cations for the Ethane Conversion. <i>Catalysis Letters</i> , 2001 , 75, 93-97	2.8	9
32	Synthesis of ordered mesoporous SBA-3 materials using silica gel as silica source. <i>Materials Letters</i> , 2014 , 134, 95-98	3.3	8
31	Applying response surface design to the optimization of methane activation with ethane over Zn-H-ZSM-11 zeolite. <i>Chemical Engineering Journal</i> , 2008 , 138, 510-516	14.7	7
30	Fe-containing ZSM-11 zeolites as active catalyst for SCR of NO _x Part II. XAFS characterization and its relationship with the catalytic properties. <i>Applied Catalysis A: General</i> , 2004 , 266, 147-153	5.1	7
29	Anatase/Ti-MCM-3 nanocomposite development for hydrogen uptake and storage. <i>Bulletin of Materials Science</i> , 2017 , 40, 271-280	1.7	6
28	Nature and Reactivity of the Active Species Formed After NO Adsorption and NO + O ₂ Co-adsorption on an Fe-Containing Zeolite. <i>Catalysis Letters</i> , 2004 , 92, 131-140	2.8	6
27	Ga-SBA-3 A novel nanostructured material: synthesis, characterization and application. <i>Nanotechnology</i> , 2019 , 30, 065703	3.4	6
26	Direct synthesis of ordered mesoporous carbon applied in hydrogen storage. <i>Journal of Porous Materials</i> , 2018 , 25, 1359-1363	2.4	6
25	Synthesis and characterization of 2D-hexagonal, 3D-hexagonal and cubic mesoporous materials using CTAB and silica gel. <i>Materials and Design</i> , 2016 , 104, 251-258	8.1	5
24	XANES-PCA analysis of Ti-species in MCM-41 mesoporous silica synthesized by different method. <i>Applied Catalysis A: General</i> , 2011 , 397, 22-26	5.1	5
23	Conversion of polyethylene into aromatic hydrocarbons using MEL and BEA zeolites. <i>Studies in Surface Science and Catalysis</i> , 1999 , 125, 481-488	1.8	5
22	Studies on selective synthesis of 2 methyl naphthalene over shape selective zeolites. <i>Studies in Surface Science and Catalysis</i> , 1995 , 574-581	1.8	5
21	Inhibition of the hydrogenation of tetralin by nitrogen and sulfur compounds over Ir/SBA-16. <i>Applied Catalysis A: General</i> , 2011 , 404, 30-30	5.1	4
20	Fe-ZSM-11 magnetic properties: Its relation with the catalytic activity for NO _x SCR with iso-butane and O ₂ . <i>Applied Catalysis A: General</i> , 2006 , 307, 263-269	5.1	4
19	Studies on the conversion of isopentane over shape selective zeolites, I. H-ZSM-5 and H-ZSM-11 zeolites. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 55, 365-372		4
18	In situ and ex situ XANES study of nanodispersed Mo species in zeolites used in fine chemistry catalysis. <i>Journal of Synchrotron Radiation</i> , 2001 , 8, 631-3	2.4	3
17	Synthesis, characterization and catalytic activity of selective oxidation zeolites catalysts. <i>Studies in Surface Science and Catalysis</i> , 1999 , 125, 523-530	1.8	3
16	Selective transformation of light olefins into aromatic hydrocarbons over pentasil zeolites. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 54, 229-237		3

15	Methylcyclohexane conversion over ZSM-11 zeolite. <i>Catalysis Letters</i> , 1995 , 32, 93-99	2.8	3
14	Selective conversion of light gasoline into aromatic hydrocarbons over shape selective zeolites, I. Catalytic activity of various zeolites for aromatization of light gasoline, heavy gasoline and coker naphtha. <i>Reaction Kinetics and Catalysis Letters</i> , 1993 , 49, 311-317		3
13	Studies on the conversion of isopentane over shape selective zeolites II., H-Zn-ZSM-11 zeolites. <i>Reaction Kinetics and Catalysis Letters</i> , 1995 , 55, 373-381		2
12	Selective conversion of light gasoline into aromatic hydrocarbons over shape selective zeolites, II. Effect of the reaction condition and time on stream. <i>Reaction Kinetics and Catalysis Letters</i> , 1993 , 49, 319-325		2
11	Nanostructured SBA-15 host applied in ketorolac tromethamine release system. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 113	4.5	1
10	Studies on the synthesis of diacetyl over oxidation zeolite catalysts. <i>Catalysis Letters</i> , 2001 , 71, 127-131	2.8	1
9	Kinetic Studies on Diacetyl Synthesis over V-Containing Zeolites. <i>Catalysis Letters</i> , 2001 , 75, 87-91	2.8	1
8	Catalytic Activity of MEL Zeolites Modified with Metallic Couples for the Conversion of Ethane. <i>Molecules</i> , 2000 , 5, 560-561	4.8	1
7	Synthesis of 2,3-Butanedione over TS-1, Ti-NCl, TiMCM-41, Ti-Beta, Fe-Si, Fe-Beta and VS-1 Zeolites. <i>Molecules</i> , 2000 , 5, 610-611	4.8	1
6	Nanostructured Ketorolac-Tromethamine/MCF: Synthesis, Characterization and Application in Drug Release System. <i>Current Nanoscience</i> , 2018 , 14, 432-439	1.4	1
5	Influence of vanadium nanoclusters in hydrogen uptake using hybrid nanostructured materials. <i>Journal of Porous Materials</i> , 2019 , 26, 951-959	2.4	1
4	Multiple-wall carbon nanotubes obtained with mesoporous material decorated with ceria-zirconia. <i>Materials Letters</i> , 2021 , 283, 128900	3.3	1
3	Sulfated/Zr-containing mesoporous carbons: a promising nanostructured catalytic material. <i>Journal of Porous Materials</i> , 1	2.4	0
2	Synthesis and characteristics of CMK-3 modified with magnetite nanoparticles for application in hydrogen storage. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	0
1	Composite hydroxyapatite -Na/MCM-41 for the fluoride retention in contaminated water. <i>Studies in Surface Science and Catalysis</i> , 2007 , 165, 77-80	1.8	