

Ganapati V Shanbhag

List of Publications by Year in descending order

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58
papers

1,730
citations

201674

27
h-index

289244

40
g-index

59
all docs

59
docs citations

59
times ranked

1886
citing authors

#	ARTICLE	IF	CITATIONS
1	Room temperature synthesis of solketal from acetalization of glycerol with acetone: Effect of crystallite size and the role of acidity of beta zeolite. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 47-54.	4.8	138
2	Mesoporous sodalite: A novel, stable solid catalyst for base-catalyzed organic transformations. <i>Journal of Catalysis</i> , 2009, 264, 88-92.	6.2	87
3	Heteropoly acid supported on titania as solid acid catalyst in alkylation of p-cresol with tert-butanol. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 324-334.	4.8	66
4	Identification and tuning of active sites in selected mixed metal oxide catalysts for cyclic carbonate synthesis from epoxides and CO ₂ . <i>Journal of CO₂ Utilization</i> , 2019, 33, 434-444.	6.8	66
5	Heterogeneous intermolecular hydroamination of terminal alkynes with aromatic amines. <i>Tetrahedron Letters</i> , 2006, 47, 141-143.	1.4	59
6	Alkylation of p-cresol with tert-butanol catalyzed by heteropoly acid supported on zirconia catalyst. <i>Journal of Molecular Catalysis A</i> , 2004, 210, 125-130.	4.8	58
7	Shape-selective catalysis by phosphate modified ZSM-5: Generation of new acid sites with pore narrowing. <i>Applied Catalysis A: General</i> , 2014, 471, 12-18.	4.3	58
8	Mesoporous tin oxide: An efficient catalyst with versatile applications in acid and oxidation catalysis. <i>Catalysis Today</i> , 2018, 309, 61-76.	4.4	58
9	Metal ion-exchanged zeolites as solid acid catalysts for the green synthesis of nopol from Prins reaction. <i>Catalysis Science and Technology</i> , 2014, 4, 4065-4074.	4.1	55
10	Glycerol acetins: fuel additive synthesis by acetylation and esterification of glycerol using cesium phosphotungstate catalyst. <i>RSC Advances</i> , 2015, 5, 104354-104362.	3.6	51
11	Remarkable catalytic activity of a sulfonated mesoporous polymer (MP-SO ₃ H) for the synthesis of solketal at room temperature. <i>New Journal of Chemistry</i> , 2017, 41, 5745-5751.	2.8	49
12	Intermolecular hydroamination of alkynes catalyzed by zinc-exchanged montmorillonite clay. <i>Journal of Molecular Catalysis A</i> , 2004, 222, 223-228.	4.8	47
13	Copper(II) ion exchanged AISBA-15: A versatile catalyst for intermolecular hydroamination of terminal alkynes with aromatic amines. <i>Journal of Catalysis</i> , 2007, 250, 274-282.	6.2	47
14	Selective SO ₂ detection at low concentration by Ca substituted LaFeO ₃ chemiresistive gas sensor: A comparative study of LaFeO ₃ pellet vs thin film. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129211.	7.8	45
15	Copper(II) ion-exchanged montmorillonite as catalyst for the direct addition of NH bond to CC triple bond. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 139-144.	4.8	43
16	Novel Bifunctional Zn-Sn Composite Oxide Catalyst for the Selective Synthesis of Glycerol Carbonate by Carbonylation of Glycerol with Urea. <i>ChemCatChem</i> , 2016, 8, 631-639.	3.7	42
17	Sulfated zirconia; an efficient and reusable acid catalyst for the selective synthesis of 4-phenyl-1,3-dioxane by Prins cyclization of styrene. <i>Applied Catalysis A: General</i> , 2013, 451, 71-78.	4.3	41
18	Green and Sustainable Tandem Catalytic Approach for Fine-Chemicals Synthesis Using Octahedral MnO ₂ Molecular Sieve: Catalytic Activity versus Method of Catalyst Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2933-2943.	6.7	40

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19	Utilization of renewable resources: Condensation of glycerol with acetone at room temperature catalyzed by organic–inorganic hybrid catalyst. <i>Journal of Molecular Catalysis A</i> , 2015, 401, 73-80.	4.8	38
20	Bi ₄ TaO ₈ Cl Nano-Photocatalyst: Influence of Local, Average, and Band Structure. <i>Inorganic Chemistry</i> , 2017, 56, 5525-5536.	4.0	37
21	Transesterification of Glycerol to Glycerol Carbonate Using KF/Al ₂ O ₃ Catalyst: The Role of Support and Basicity. <i>Catalysis Letters</i> , 2013, 143, 1226-1234.	2.6	36
22	Synthesis of biodiesel and acetins by transesterification reactions using novel CaSn(OH) ₆ heterogeneous base catalyst. <i>Applied Catalysis A: General</i> , 2016, 523, 1-11.	4.3	36
23	Phosphate modified ZSM-5 for the shape-selective synthesis of para-diethylbenzene: Role of crystal size and acidity. <i>Applied Catalysis A: General</i> , 2014, 484, 8-16.	4.3	33
24	Aerial oxidation of substituted aromatic hydrocarbons catalyzed by Co/Mn/Br ⁺ in water-dioxane medium. <i>Catalysis Communications</i> , 2004, 5, 9-13.	3.3	31
25	Non-phosgene route for the synthesis of methyl phenyl carbamate using ordered AISBA-15 catalyst. <i>Journal of Molecular Catalysis A</i> , 2008, 295, 29-33.	4.8	31
26	Molybdenum oxide/γ-alumina: an efficient solid acid catalyst for the synthesis of nopol by Prins reaction. <i>RSC Advances</i> , 2015, 5, 93452-93462.	3.6	31
27	Aromatization of C ₅ –rich Light Naphtha Feedstock over Tailored Zeolite Catalysts: Comparison with Model Compounds (C ₅ –C ₇). <i>ChemistrySelect</i> , 2016, 1, 2515-2521.	1.5	29
28	Chemoselective synthesis of β-amino acid derivatives by hydroamination of activated olefins using AISBA-15 catalyst prepared by post-synthetic treatment. <i>Journal of Molecular Catalysis A</i> , 2008, 284, 16-23.	4.8	28
29	Catalytic etherification of glycerol to tert-butyl glycerol ethers using tert-butanol over sulfonic acid functionalized mesoporous polymer. <i>RSC Advances</i> , 2016, 6, 82654-82660.	3.6	28
30	Zirconia-supported phosphotungstic acid as catalyst for alkylation of phenol with benzyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2005, 230, 113-119.	4.8	27
31	Zinc hydroxystannate: a promising solid acid–base bifunctional catalyst. <i>RSC Advances</i> , 2014, 4, 974-977.	3.6	27
32	Superior performance of mesoporous tin oxide over nano and bulk forms in the activation of a carbonyl group: conversion of bio-renewable feedstock. <i>Catalysis Science and Technology</i> , 2016, 6, 2268-2279.	4.1	23
33	Zn-Doped CeO ₂ Nanorods for Glycerol Carbonylation with CO ₂ . <i>ACS Applied Nano Materials</i> , 2021, 4, 4388-4397.	5.0	23
34	Condensation reactions assisted by acidic hydrogen bonded hydroxyl groups in solid tin(ii)hydroxychloride. <i>RSC Advances</i> , 2013, 3, 10795.	3.6	21
35	Silicotungstate-modified zirconia as an efficient catalyst for phenol tert-butylation. <i>Journal of Molecular Catalysis A</i> , 2005, 233, 141-146.	4.8	18
36	Phenol tert-butylation over zirconia-supported 12-molybdophosphoric acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 162-170.	4.8	16

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37	Chemoselective anti-Markovnikov hydroamination of $\hat{1},\hat{1}^2$ -ethylenic compounds with amines using montmorillonite clay. <i>Journal of Molecular Catalysis A</i> , 2006, 250, 210-217.	4.8	16
38	Synthesis of monoallyl guaiacol via allylation using HY zeolite. <i>Journal of Molecular Catalysis A</i> , 2006, 244, 278-282.	4.8	14
39	Bismuth oxycarbonate Nanoplates@ $\hat{1}\pm$ -Ni(OH) ₂ nanosheets 2D plate-on-sheet heterostructure as electrode for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158495.	5.5	13
40	Exploring the acidity of a functionalized mesoporous polymer catalyst (P-SO ₃ H) for glycerol <i>tert</i> -butyl ether synthesis. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6299-6310.	4.9	12
41	Rational design of bifunctional catalyst from KF and ZnO combination on alumina for cyclic urea synthesis from CO ₂ and diamine. <i>Applied Catalysis A: General</i> , 2020, 598, 117550.	4.3	12
42	Exploring tailor-made Brønsted acid sites in mesopores of tin oxide catalyst for $\hat{1}^2$ -alkoxy alcohol and amino alcohol syntheses. <i>Scientific Reports</i> , 2021, 11, 15718.	3.3	12
43	Shape-selective synthesis of para -diethylbenzene over pore-engineered ZSM-5: A kinetic study. <i>Chemical Engineering Science</i> , 2015, 138, 396-402.	3.8	10
44	Liquid phase allylation of anisole using TPA/ZrO ₂ catalyst. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 67-72.	4.8	9
45	Alkali/alkaline earth ion-exchanged and palladium dispersed MCM-22 zeolite as a potential catalyst for eugenol isomerization and Heck coupling reactions. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	1.5	9
46	Molybdenum Carbonyl Grafted on Amine-Functionalized MCM-22 as Potential Catalyst for Iso-Eugenol Oxidation. <i>Catalysis Letters</i> , 2021, 151, 1336-1349.	2.6	9
47	Green route for carbonylation of amines by CO ₂ using Sn-Ni-O bifunctional catalyst and theoretical study for finding best suited active sites. <i>Chemical Engineering Journal</i> , 2021, 419, 129439.	12.7	8
48	Utilization of renewable resources: Investigation on role of active sites in zeolite catalyst for transformation of furfuryl alcohol into alkyl levulinate. <i>Molecular Catalysis</i> , 2021, 502, 111361.	2.0	7
49	Pd (II) decorated conductive two-dimensional chromium-pyrazine metal-organic framework for rapid detection of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 9477-9483.	7.1	7
50	Response surface optimization and process design for glycidol synthesis using potassium modified rice husk silica. <i>Materials Today: Proceedings</i> , 2021, 41, 506-512.	1.8	6
51	Polyaniline/(Ta ₂ O ₅)@SnO ₂ hybrid nanocomposite for efficient room temperature CO gas sensing. <i>RSC Advances</i> , 2022, 12, 15759-15766.	3.6	6
52	Recognizing soft templates as stimulators in multivariate modulation of tin phosphate and its application in catalysis for alkyl levulinate synthesis. <i>Catalysis Science and Technology</i> , 2021, 11, 272-282.	4.1	5
53	Application of tin oxide-based materials in catalysis. , 2020, , 519-553.		4
54	Enhanced Gas Sensing Performance of Nanostructured Ta ₂ O ₅ @SnO ₂ Composite for Low Concentration CO Detection. <i>ChemistrySelect</i> , 2022, 7, .	1.5	3

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55	Supported Heteropoly Acids and Multicomponent Polyoxometalates as Eco-Friendly Solid Catalysts for Bulk and Fine Chemicals Synthesis. , 2013, , 105-139.		2
56	Enhancement in activity and shape selectivity of zeolite BEA by phosphate treatment for 2-methoxynaphthalene acylation. RSC Advances, 2016, 6, 90579-90586.	3.6	2
57	Selective synthesis of furfuryl acetate over solid acid catalysts and active site exploration using density functional theory. Catalysis Science and Technology, 0, , .	4.1	1
58	Heterogeneous Catalysis for Chemical Fixation of CO ₂ via Carbonylation Reactions. Green Energy and Technology, 2021,, 141-169.	0.6	0