

Ivan Kozhevnikov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8355712/publications.pdf>

Version: 2024-02-01

57
papers

5,442
citations

186265

28
h-index

144013

57
g-index

58
all docs

58
docs citations

58
times ranked

4709
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysis by Heteropoly Acids and Multicomponent Polyoxometalates in Liquid-Phase Reactions. <i>Chemical Reviews</i> , 1998, 98, 171-198.	47.7	2,564
2	Study of catalysts comprising heteropoly acid H ₃ PW ₁₂ O ₄₀ supported on MCM-41 molecular sieve and amorphous silica. <i>Journal of Molecular Catalysis A</i> , 1996, 114, 287-298.	4.8	331
3	Homogeneous catalysts based on heteropoly acids (review). <i>Applied Catalysis</i> , 1983, 5, 135-150.	0.8	293
4	Hydrogenolysis of Glycerol to Propanediol Over Ru: Polyoxometalate Bifunctional Catalyst. <i>Catalysis Letters</i> , 2008, 120, 307-311.	2.6	161
5	¹ H and ³¹ P MAS NMR studies of solid heteropolyacids and H ₃ PW ₁₂ O ₄₀ supported on SiO ₂ . <i>Journal of Molecular Catalysis</i> , 1990, 60, 65-70.	1.2	151
6	Oxidative desulfurization of diesel fuel catalyzed by polyoxometalate immobilized on phosphazene-functionalized silica. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 82-91.	20.2	145
7	Solid acid catalysts based on H ₃ PW ₁₂ O ₄₀ heteropoly acid: Acid and catalytic properties at a gas/solid interface. <i>Journal of Catalysis</i> , 2010, 276, 181-189.	6.2	138
8	Oxidative desulfurization of model diesel fuel catalyzed by carbon-supported heteropoly acids. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 309-316.	20.2	132
9	Heterogeneous acid catalysis by heteropoly acids: Approaches to catalyst deactivation. <i>Journal of Molecular Catalysis A</i> , 2009, 305, 104-111.	4.8	131
10	Dehydration of Methanol to Dimethyl Ether over Heteropoly Acid Catalysts: The Relationship between Reaction Rate and Catalyst Acid Strength. <i>ACS Catalysis</i> , 2015, 5, 7186-7193.	11.2	108
11	Dehydration of ethanol over heteropoly acid catalysts in the gas phase. <i>Journal of Catalysis</i> , 2014, 319, 174-181.	6.2	73
12	Phosphotungstic heteropoly acid as efficient heterogeneous catalyst for solvent-free isomerization of α -pinene and longifolene. <i>Applied Catalysis A: General</i> , 2009, 352, 188-192.	4.3	65
13	Efficient acylation of toluene and anisole with aliphatic carboxylic acids catalysed by heteropoly salt Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ . <i>Chemical Communications</i> , 2002, , 2508-2509.	4.1	64
14	A calorimetric study of the acidity of bulk and silica-supported heteropoly acid H ₃ PW ₁₂ O ₄₀ . <i>Journal of Catalysis</i> , 2004, 224, 164-169.	6.2	62
15	CaO catalyst for multi-route conversion of oakwood biomass to value-added chemicals and fuel precursors in fast pyrolysis. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119858.	20.2	56
16	Pd supported on ZnII/CrIII mixed oxide as a catalyst for one-step synthesis of methyl isobutyl ketone. <i>Journal of Catalysis</i> , 2008, 257, 199-205.	6.2	54
17	Efficient hydrodeoxygenation of biomass-derived ketones over bifunctional Pt-polyoxometalate catalyst. <i>Chemical Communications</i> , 2012, 48, 7194.	4.1	54
18	Heteropoly acid catalysts for the synthesis of fragrance compounds from biorenewables: isomerization of limonene oxide. <i>Catalysis Science and Technology</i> , 2013, 3, 244-250.	4.1	44

#	ARTICLE	IF	CITATIONS
19	Deoxygenation of propionic acid on heteropoly acid and bifunctional metal-loaded heteropoly acid catalysts: Reaction pathways and turnover rates. <i>Applied Catalysis A: General</i> , 2012, 447-448, 32-40.	4.3	43
20	Compensation effect in isopropanol dehydration over heteropoly acid catalysts at a gas–solid interface. <i>Journal of Catalysis</i> , 2012, 293, 158-164.	6.2	42
21	Hydrogenation of methyl isobutyl ketone over bifunctional Pt–zeolite catalyst. <i>Journal of Catalysis</i> , 2012, 293, 141-144.	6.2	40
22	Ketonisation of acetic acid on metal oxides: Catalyst activity, stability and mechanistic insights. <i>Applied Catalysis A: General</i> , 2018, 565, 135-145.	4.3	40
23	Novel polyoxometalate–phosphazene aggregates and their use as catalysts for biphasic oxidations with hydrogen peroxide. <i>Chemical Communications</i> , 2013, 49, 349-351.	4.1	39
24	Î±-Pinene isomerisation over heteropoly acid catalysts in the gas-phase. <i>Applied Catalysis A: General</i> , 2010, 390, 219-224.	4.3	38
25	Coking and regeneration of palladium-doped H ₃ PW ₁₂ O ₄₀ /SiO ₂ catalysts. <i>Catalysis Letters</i> , 2000, 66, 53-57.	2.6	37
26	Hydrogenation of ketones over bifunctional Pt-heteropoly acid catalyst in the gas phase. <i>Applied Catalysis A: General</i> , 2015, 504, 457-462.	4.3	33
27	Polyisobutylene oligomer-bound polyoxometalates as efficient and recyclable catalysts for biphasic oxidations with hydrogen peroxide. <i>Catalysis Science and Technology</i> , 2015, 5, 818-821.	4.1	32
28	Particle size–activity relationship for CoFe ₂ O ₄ nanoparticle CO oxidation catalysts. <i>Journal of Materials Chemistry</i> , 2008, 18, 5518.	6.7	30
29	Ketonisation of carboxylic acids over Zn-Cr oxide in the gas phase. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 253-259.	20.2	29
30	Deoxygenation of Ethers and Esters over Bifunctional Pt–Heteropoly Acid Catalyst in the Gas Phase. <i>ACS Catalysis</i> , 2016, 6, 2067-2075.	11.2	29
31	High catalytic activity of silicalite in gas-phase ketonisation of propionic acid. <i>Chemical Communications</i> , 2013, 49, 3842.	4.1	26
32	Zn(II)–Cr(III) mixed oxide as efficient bifunctional catalyst for dehydroisomerisation of Î±-pinene to p-cymene. <i>Applied Catalysis A: General</i> , 2009, 363, 153-156.	4.3	25
33	Heteropoly Acid Catalysts for the Synthesis of Fragrance Compounds from Biorenewables: Cycloaddition of Crotonaldehyde to Limonene, Î±-Pinene, and Î²-Pinene. <i>ChemCatChem</i> , 2013, 5, 3022-3026.	3.7	25
34	Hydrodeoxygenation of 3-pentanone over bifunctional Pt-heteropoly acid catalyst in the gas phase: Enhancing effect of gold. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 446-453.	20.2	25
35	Isomerisation of n-hexane over bifunctional Pt-heteropoly acid catalyst: Enhancing effect of gold. <i>Journal of Catalysis</i> , 2018, 357, 80-89.	6.2	25
36	Heteropoly Acid Catalysts for the Synthesis of Fragrance Compounds from Biorenewables: The Alkoxylation of Monoterpenes. <i>ChemCatChem</i> , 2014, 6, 2706-2711.	3.7	22

#	ARTICLE	IF	CITATIONS
37	Pyrolysis of Plastics to Liquid Fuel Using Sulphated Zirconium Hydroxide Catalyst. <i>Waste and Biomass Valorization</i> , 2020, 11, 6337-6345.	3.4	22
38	Oxidative desulfurization of model diesel fuel catalyzed by carbon-supported heteropoly acids: Effect of carbon support. <i>Fuel</i> , 2021, 301, 121083.	6.4	22
39	Selective Alkylation of Benzene with Propane over Bifunctional Pt-Heteropoly Acid Catalyst. <i>ACS Catalysis</i> , 2015, 5, 5512-5518.	11.2	21
40	Dehydration of methanol and ethanol over silica-supported heteropoly acids in the gas phase: Surface-type versus bulk-type catalysis mechanism. <i>Applied Catalysis A: General</i> , 2020, 597, 117549.	4.3	17
41	A Novel N-Heterocyclic carbene of Platinum(II): Synthesis in Ionic Liquids and Crystal Structure. <i>Journal of Chemical Research</i> , 2000, 2000, 392-393.	1.3	16
42	Alkylaminophosphazenes as Efficient and Tuneable Phase-Transfer Agents for Polyoxometalate-Catalysed Biphase Oxidation with Hydrogen Peroxide. <i>ChemCatChem</i> , 2016, 8, 200-208.	3.7	15
43	Isomerization of Cyclohexane over Bifunctional Pt-, Au-, and PtAu-Heteropoly Acid Catalysts. <i>ACS Catalysis</i> , 2019, 9, 5063-5073.	11.2	13
44	Heteropoly acid catalysts for the synthesis of fragrance compounds from bio-renewables: acetylation of nopol and terpenic alcohols. <i>RSC Advances</i> , 2016, 6, 43217-43222.	3.6	12
45	Diethyl Ether Conversion to Ethene and Ethanol Catalyzed by Heteropoly Acids. <i>ACS Omega</i> , 2021, 6, 9310-9318.	3.5	12
46	Feeding the Heck Reaction with Alcohol: One-Pot Synthesis of Stilbenes from Aryl Alcohols and Bromides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1395-1400.	4.3	11
47	An ultrasound enhanced catalytic ozonation process for the ultra-deep desulfurization of diesel oil. <i>New Journal of Chemistry</i> , 2020, 44, 15467-15474.	2.8	11
48	Role of 3D Alumina Foam Support on the Formation and Dispersion of Active NiMoS Phase for Hydrodesulfurization Application. <i>Energy & Fuels</i> , 2020, 34, 9948-9955.	5.1	10
49	Selective Alkylation of Benzene by Propane over Bifunctional Pd-Acid Catalysts. <i>Catalysts</i> , 2017, 7, 233.	3.5	9
50	Dehydroisomerisation of α -Pinene and Limonene to p-Cymene over Silica-Supported ZnO in the Gas Phase. <i>Catalysts</i> , 2021, 11, 1245.	3.5	9
51	Highly Active and Recyclable Metal Oxide Catalysts for the Prins Condensation of Biorenewable Feedstocks. <i>ChemCatChem</i> , 2014, 6, 2134-2139.	3.7	7
52	Turnover Rate of Metal-Catalyzed Hydroconversion of 2,5-Dimethylfuran: Gas-Phase Versus Liquid-Phase. <i>Catalysts</i> , 2020, 10, 1171.	3.5	7
53	Facile gas-phase hydrodeoxygenation of 2,5-dimethylfuran over bifunctional metal-acid catalyst Pt _{2.5} H _{0.5} PW ₁₂ O ₄₀ . <i>Chemical Communications</i> , 2021, 57, 227-230.	4.1	7
54	Aerobic Oxidative Desulfurization of Liquid Fuel Catalyzed by Pd-Mo-V Heteropoly Acids in the Presence of Aldehyde. <i>Catalysts</i> , 2021, 11, 988.	3.5	4

#	ARTICLE	IF	CITATIONS
55	Heteropoly acid catalysts in Prins cyclization for the synthesis of Florol [®] . <i>Molecular Catalysis</i> , 2021, 502, 111382.	2.0	3
56	Hydrodeoxygenation of 2,5-dimethyltetrahydrofuran over bifunctional metal-acid catalyst Pt ⁺ Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ in the gas phase: Kinetics and mechanism. <i>Molecular Catalysis</i> , 2021, 510, 111711.	2.0	1
57	Hydrodeoxygenation of 2,5-dimethyltetrahydrofuran over bifunctional Pt ⁺ Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ catalyst in the gas phase: enhancing effect of gold. <i>RSC Advances</i> , 2022, 12, 2287-2291.	3.6	1