

# Ivan Kozhevnikov

## List of Publications by Year in descending order

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57  
papers

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186265

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Hydrodeoxygenation of 2,5-dimethyltetrahydrofuran over bifunctional Pt@Cs <sub>2.5</sub> H <sub>0.5</sub> PW <sub>12</sub> O <sub>40</sub> catalyst in the gas phase: enhancing effect of gold. RSC Advances, 2022, 12, 2287-2291.	3.6	1
2	Facile gas-phase hydrodeoxygenation of 2,5-dimethylfuran over bifunctional metal-acid catalyst Pt@Cs <sub>2.5</sub> H <sub>0.5</sub> PW <sub>12</sub> O <sub>40</sub> . Chemical Communications, 2021, 57, 227-230.	4.1	7
3	Heteropoly acid catalysts in Prins cyclization for the synthesis of Florol®. Molecular Catalysis, 2021, 502, 111382.	2.0	3
4	Diethyl Ether Conversion to Ethene and Ethanol Catalyzed by Heteropoly Acids. ACS Omega, 2021, 6, 9310-9318.	3.5	12
5	CaO catalyst for multi-route conversion of oakwood biomass to value-added chemicals and fuel precursors in fast pyrolysis. Applied Catalysis B: Environmental, 2021, 285, 119858.	20.2	56
6	Hydrodeoxygenation of 2,5-dimethyltetrahydrofuran over bifunctional metal-acid catalyst Pt@Cs <sub>2.5</sub> H <sub>0.5</sub> PW <sub>12</sub> O <sub>40</sub> in the gas phase: Kinetics and mechanism. Molecular Catalysis, 2021, 510, 111711.	2.0	1
7	Aerobic Oxidative Desulfurization of Liquid Fuel Catalyzed by Pt@Mo@V Heteropoly Acids in the Presence of Aldehyde. Catalysts, 2021, 11, 988.	3.5	4
8	Oxidative desulfurization of model diesel fuel catalyzed by carbon-supported heteropoly acids: Effect of carbon support. Fuel, 2021, 301, 121083.	6.4	22
9	Dehydroisomerisation of $\alpha$ -Pinene and Limonene to p-Cymene over Silica-Supported ZnO in the Gas Phase. Catalysts, 2021, 11, 1245.	3.5	9
10	Pyrolysis of Plastics to Liquid Fuel Using Sulphated Zirconium Hydroxide Catalyst. Waste and Biomass Valorization, 2020, 11, 6337-6345.	3.4	22
11	An ultrasound enhanced catalytic ozonation process for the ultra-deep desulfurization of diesel oil. New Journal of Chemistry, 2020, 44, 15467-15474.	2.8	11
12	Turnover Rate of Metal-Catalyzed Hydroconversion of 2,5-Dimethylfuran: Gas-Phase Versus Liquid-Phase. Catalysts, 2020, 10, 1171.	3.5	7
13	Role of 3D Alumina Foam Support on the Formation and Dispersion of Active NiMoS Phase for Hydrodesulfurization Application. Energy & Fuels, 2020, 34, 9948-9955.	5.1	10
14	Dehydration of methanol and ethanol over silica-supported heteropoly acids in the gas phase: Surface-type versus bulk-type catalysis mechanism. Applied Catalysis A: General, 2020, 597, 117549.	4.3	17
15	Isomerization of Cyclohexane over Bifunctional Pt-, Au-, and PtAu-Heteropoly Acid Catalysts. ACS Catalysis, 2019, 9, 5063-5073.	11.2	13
16	Oxidative desulfurization of model diesel fuel catalyzed by carbon-supported heteropoly acids. Applied Catalysis B: Environmental, 2019, 253, 309-316.	20.2	132
17	Oxidative desulfurization of diesel fuel catalyzed by polyoxometalate immobilized on phosphazene-functionalized silica. Applied Catalysis B: Environmental, 2018, 231, 82-91.	20.2	145
18	Isomerisation of n-hexane over bifunctional Pt-heteropoly acid catalyst: Enhancing effect of gold. Journal of Catalysis, 2018, 357, 80-89.	6.2	25

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19	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
20	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
21	Selective Alkylation of Benzene by Propane over Bifunctional Pd-Acid Catalysts. <i>Catalysts</i> , 2017, 7, 233.	3.5	9
22	Alkylaminophosphazenes as Efficient and Tuneable Phase-Transfer Agents for Polyoxometalate-Catalysed Biphasic Oxidation with Hydrogen Peroxide. <i>ChemCatChem</i> , 2016, 8, 200-208.	3.7	15
23	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
24	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
25	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
26	Selective Alkylation of Benzene with Propane over Bifunctional Pt-Heteropoly Acid Catalyst. <i>ACS Catalysis</i> , 2015, 5, 5512-5518.	11.2	21
27	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
28	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
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	Highly Active and Recyclable Metal Oxide Catalysts for the Prins Condensation of Biorenewable Feedstocks. <i>ChemCatChem</i> , 2014, 6, 2134-2139.	3.7	7
31	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
32	Dehydration of ethanol over heteropoly acid catalysts in the gas phase. <i>Journal of Catalysis</i> , 2014, 319, 174-181.	6.2	73
33	High catalytic activity of silicalite in gas-phase ketonisation of propionic acid. <i>Chemical Communications</i> , 2013, 49, 3842.	4.1	26
34	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
35	Heteropoly Acid Catalysts for the Synthesis of Fragrance Compounds from Biorenewables: Cycloaddition of Crotonaldehyde to Limonene, $\alpha$ -Pinene, and $\beta$ -Pinene. <i>ChemCatChem</i> , 2013, 5, 3022-3026.	3.7	25
36	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

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37	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
38	Efficient hydrodeoxygenation of biomass-derived ketones over bifunctional Pt-polyoxometalate catalyst. <i>Chemical Communications</i> , 2012, 48, 7194.	4.1	54
39	Hydrogenation of methyl isobutyl ketone over bifunctional Pt-zeolite catalyst. <i>Journal of Catalysis</i> , 2012, 293, 141-144.	6.2	40
40	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
41	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
42	Solid acid catalysts based on H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> heteropoly acid: Acid and catalytic properties at a gas-solid interface. <i>Journal of Catalysis</i> , 2010, 276, 181-189.	6.2	138
43	±-Pinene isomerisation over heteropoly acid catalysts in the gas-phase. <i>Applied Catalysis A: General</i> , 2010, 390, 219-224.	4.3	38
44	Heterogeneous acid catalysis by heteropoly acids: Approaches to catalyst deactivation. <i>Journal of Molecular Catalysis A</i> , 2009, 305, 104-111.	4.8	131
45	Zn(II)-Cr(III) mixed oxide as efficient bifunctional catalyst for dehydroisomerisation of ±-pinene to p-cymene. <i>Applied Catalysis A: General</i> , 2009, 363, 153-156.	4.3	25
46	Phosphotungstic heteropoly acid as efficient heterogeneous catalyst for solvent-free isomerization of ±-pinene and longifolene. <i>Applied Catalysis A: General</i> , 2009, 352, 188-192.	4.3	65
47	Hydrogenolysis of Glycerol to Propanediol Over Ru: Polyoxometalate Bifunctional Catalyst. <i>Catalysis Letters</i> , 2008, 120, 307-311.	2.6	161
48	Pd supported on Zn-Cr 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
49	Particle size-activity relationship for CoFe <sub>2</sub> O <sub>4</sub> nanoparticle CO oxidation catalysts. <i>Journal of Materials Chemistry</i> , 2008, 18, 5518.	6.7	30
50	A calorimetric study of the acidity of bulk and silica-supported heteropoly acid H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> . <i>Journal of Catalysis</i> , 2004, 224, 164-169.	6.2	62
51	Efficient acylation of toluene and anisole with aliphatic carboxylic acids catalysed by heteropoly salt Cs <sub>2.5</sub> H <sub>0.5</sub> PW <sub>12</sub> O <sub>40</sub> . <i>Chemical Communications</i> , 2002, , 2508-2509.	4.1	64
52	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
53	Coking and regeneration of palladium-doped H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /SiO <sub>2</sub> catalysts. <i>Catalysis Letters</i> , 2000, 66, 53-57.	2.6	37
54	Catalysis by Heteropoly Acids and Multicomponent Polyoxometalates in Liquid-Phase Reactions. <i>Chemical Reviews</i> , 1998, 98, 171-198.	47.7	2,564

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55	Study of catalysts comprising heteropoly acid H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> supported on MCM-41 molecular sieve and amorphous silica. <i>Journal of Molecular Catalysis A</i> , 1996, 114, 287-298.	4.8	331
56	<sup>1</sup> H and <sup>31</sup> P MAS NMR studies of solid heteropolyacids and H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> supported on SiO <sub>2</sub> . <i>Journal of Molecular Catalysis</i> , 1990, 60, 65-70.	1.2	151
57	Homogeneous catalysts based on heteropoly acids (review). <i>Applied Catalysis</i> , 1983, 5, 135-150.	0.8	293