

Simon A Kondrat

List of Publications by Year in descending order

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69
papers

2,699
citations

172457

29
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182427

51
g-index

70
all docs

70
docs citations

70
times ranked

3941
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of single-site gold catalysis in acetylene hydrochlorination. <i>Science</i> , 2017, 355, 1399-1403.	12.6	380
2	Stable amorphous georgeite as a precursor to a high-activity catalyst. <i>Nature</i> , 2016, 531, 83-87.	27.8	128
3	Elucidation and Evolution of the Active Component within Cu/Fe/ZSM-5 for Catalytic Methane Oxidation: From Synthesis to Catalysis. <i>ACS Catalysis</i> , 2013, 3, 689-699.	11.2	117
4	Au-Pd Nanoparticles Dispersed on Composite Titania/Graphene Oxide-Supports as a Highly Active Oxidation Catalyst. <i>ACS Catalysis</i> , 2015, 5, 3575-3587.	11.2	103
5	Aqueous-Phase Methane Oxidation over Fe-MFI Zeolites; Promotion through Isomorphous Framework Substitution. <i>ACS Catalysis</i> , 2013, 3, 1835-1844.	11.2	99
6	Facile synthesis of precious-metal single-site catalysts using organic solvents. <i>Nature Chemistry</i> , 2020, 12, 560-567.	13.6	96
7	Ruthenium Nanoparticles Supported on Carbon: An Active Catalyst for the Hydrogenation of Lactic Acid to 1,2-Propanediol. <i>ACS Catalysis</i> , 2015, 5, 5047-5059.	11.2	91
8	The controlled catalytic oxidation of furfural to furoic acid using AuPd/Mg(OH) ₂ . <i>Catalysis Science and Technology</i> , 2017, 7, 5284-5293.	4.1	87
9	Partial Oxidation of Ethane to Oxygenates Using Fe- and Cu-Containing ZSM-5. <i>Journal of the American Chemical Society</i> , 2013, 135, 11087-11099.	13.7	83
10	Elucidating the Role of CO ₂ in the Soft Oxidative Dehydrogenation of Propane over Ceria-Based Catalysts. <i>ACS Catalysis</i> , 2018, 8, 3454-3468.	11.2	80
11	Methyl Formate Formation from Methanol Oxidation Using Supported Gold-Palladium Nanoparticles. <i>ACS Catalysis</i> , 2015, 5, 637-644.	11.2	78
12	Base-Free Oxidation of Glycerol Using Titania-Supported Trimetallic Au-Pd-Pt Nanoparticles. <i>ChemSusChem</i> , 2014, 7, 1326-1334.	6.8	73
13	Base-free glucose oxidation using air with supported gold catalysts. <i>Green Chemistry</i> , 2014, 16, 3132-3141.	9.0	71
14	Acetylene hydrochlorination using Au/carbon: a journey towards single site catalysis. <i>Chemical Communications</i> , 2017, 53, 11733-11746.	4.1	64
15	Deactivation of a Single-Site Gold-on-Carbon Acetylene Hydrochlorination Catalyst: An X-ray Absorption and Inelastic Neutron Scattering Study. <i>ACS Catalysis</i> , 2018, 8, 8493-8505.	11.2	63
16	The effect of heat treatment on phase formation of copper manganese oxide: Influence on catalytic activity for ambient temperature carbon monoxide oxidation. <i>Journal of Catalysis</i> , 2011, 281, 279-289.	6.2	58
17	Ethanol to 1,3-Butadiene Conversion by using Zr/Zn-Containing MgO/SiO ₂ Systems Prepared by Co-precipitation and Effect of Catalyst Acidity Modification. <i>ChemCatChem</i> , 2016, 8, 2376-2386.	3.7	54
18	Mechanochemical synthesis of copper manganese oxide for the ambient temperature oxidation of carbon monoxide. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 222-231.	20.2	53

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19	Synthesis of high surface area CuMn ₂ O ₄ by supercritical anti-solvent precipitation for the oxidation of CO at ambient temperature. <i>Catalysis Science and Technology</i> , 2011, 1, 740.	4.1	50
20	Green preparation of transition metal oxide catalysts using supercritical CO ₂ anti-solvent precipitation for the total oxidation of propane. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 671-679.	20.2	50
21	Surface functionalized TiO ₂ supported Pd catalysts for solvent-free selective oxidation of benzyl alcohol. <i>Catalysis Today</i> , 2015, 250, 218-225.	4.4	45
22	In situ spectroscopic investigation of oxidative dehydrogenation and disproportionation of benzyl alcohol. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12147.	2.8	43
23	The preparation of large surface area lanthanum based perovskite supports for AuPt nanoparticles: tuning the glycerol oxidation reaction pathway by switching the perovskite B site. <i>Faraday Discussions</i> , 2016, 188, 427-450.	3.2	41
24	Physical mixing of metal acetates: a simple, scalable method to produce active chloride free bimetallic catalysts. <i>Chemical Science</i> , 2012, 3, 2965.	7.4	38
25	Selective catalytic oxidation using supported gold-platinum and palladium-platinum nanoalloys prepared by sol-immobilisation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10636.	2.8	37
26	The surface of iron molybdate catalysts used for the selective oxidation of methanol. <i>Surface Science</i> , 2016, 648, 163-169.	1.9	36
27	The effect of sodium species on methanol synthesis and water-gas shift Cu/ZnO catalysts: utilising high purity zincian georgeite. <i>Faraday Discussions</i> , 2017, 197, 287-307.	3.2	33
28	A new class of Cu/ZnO catalysts derived from zincian georgeite precursors prepared by co-precipitation. <i>Chemical Science</i> , 2017, 8, 2436-2447.	7.4	32
29	Preparation of a highly active ternary Cu-Zn-Al oxide methanol synthesis catalyst by supercritical CO ₂ anti-solvent precipitation. <i>Catalysis Today</i> , 2018, 317, 12-20.	4.4	31
30	Solvent-Activated Hafnium-Containing Zeolites Enable Selective and Continuous Glucose-Fructose Isomerisation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20017-20023.	13.8	31
31	Novel cobalt zinc oxide Fischer-Tropsch catalysts synthesised using supercritical anti-solvent precipitation. <i>Catalysis Science and Technology</i> , 2014, 4, 1970-1978.	4.1	29
32	Supercritical antisolvent precipitation of TiO ₂ with tailored anatase/rutile composition for applications in redox catalysis and photocatalysis. <i>Applied Catalysis A: General</i> , 2015, 504, 62-73.	4.3	29
33	A Perspective on Counting Catalytic Active Sites and Rates of Reaction Using X-Ray Spectroscopy. <i>Topics in Catalysis</i> , 2019, 62, 1218-1227.	2.8	27
34	An Investigation of the Effect of the Addition of Tin to 5%Pd/TiO ₂ for the Hydrogenation of Furfuryl Alcohol. <i>ChemCatChem</i> , 2015, 7, 2122-2129.	3.7	23
35	Total oxidation of naphthalene using copper manganese oxide catalysts. <i>Catalysis Today</i> , 2015, 258, 610-615.	4.4	23
36	<i>In situ</i> K-edge X-ray absorption spectroscopy of the ligand environment of single-site Au/C catalysts during acetylene hydrochlorination. <i>Chemical Science</i> , 2020, 11, 7040-7052.	7.4	23

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37	Enhancing the understanding of the glycerol to lactic acid reaction mechanism over AuPt/TiO ₂ under alkaline conditions. <i>Journal of Chemical Physics</i> , 2020, 152, 134705.	3.0	21
38	Selective deposition of palladium onto supported nickel " bimetallic catalysts for the hydrogenation of crotonaldehyde. <i>Catalysis Science and Technology</i> , 2013, 3, 2746.	4.1	20
39	Supercritical Antisolvent Precipitation of Amorphous Copper-Zinc Geoprite and Acetate Precursors for the Preparation of Ambient-Pressure Water-Gas-Shift Copper/Zinc Oxide Catalysts. <i>ChemCatChem</i> , 2017, 9, 1621-1631.	3.7	20
40	Nanoporous alumino- and borosilicate-mediated Meinwald rearrangement of epoxides. <i>Applied Catalysis A: General</i> , 2015, 493, 17-24.	4.3	19
41	An investigation of the effect of carbon support on ruthenium/carbon catalysts for lactic acid and butanone hydrogenation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17259-17264.	2.8	19
42	Preparation of Fischer-Tropsch Supported Cobalt Catalysts Using a New Gas Anti-Solvent Process. <i>ACS Catalysis</i> , 2013, 3, 764-772.	11.2	18
43	The Effects of Secondary Oxides on Copper-Based Catalysts for Green Methanol Synthesis. <i>ChemCatChem</i> , 2017, 9, 1655-1662.	3.7	17
44	Dehydrative Etherification Reactions of Glycerol with Alcohols Catalyzed by Recyclable Nanoporous Aluminosilicates: Telescoped Routes to Glyceryl Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 835-843.	6.7	17
45	The use of carbon monoxide as a probe molecule in spectroscopic studies for determination of exposed gold sites on TiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23236-23244.	2.8	16
46	Sulfur Promotion in Au/C Catalyzed Acetylene Hydrochlorination. <i>Small</i> , 2021, 17, 2007221.	10.0	16
47	Homocoupling of Phenylboronic Acid using Atomically Dispersed Gold on Carbon Catalysts: Catalyst Evolution Before Reaction. <i>ChemCatChem</i> , 2018, 10, 1853-1859.	3.7	15
48	Oxidative Carboxylation of 1-Decene to 1,2-Decylene Carbonate. <i>Topics in Catalysis</i> , 2018, 61, 509-518.	2.8	13
49	Operando potassium K-edge X-ray absorption spectroscopy: investigating potassium catalysts during soot oxidation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18976-18988.	2.8	12
50	Spectroscopic Investigation of Titania-Supported Gold Nanoparticles Prepared by a Modified Deposition/Precipitation Method for the Oxidation of CO. <i>ChemCatChem</i> , 2016, 8, 2136-2145.	3.7	11
51	Solvent-free aerobic epoxidation of 1-decene using supported cobalt catalysts. <i>Catalysis Today</i> , 2019, 333, 154-160.	4.4	11
52	Physical mixing of metal acetates: optimisation of catalyst parameters to produce highly active bimetallic catalysts. <i>Catalysis Science and Technology</i> , 2013, 3, 2910.	4.1	10
53	Catalysis for Fuels: general discussion. <i>Faraday Discussions</i> , 2017, 197, 165-205.	3.2	8
54	Evaluating the Activity and Stability of Perovskite LaMO ₃ -Based Pt Catalysts in the Aqueous Phase Reforming of Glycerol. <i>Topics in Catalysis</i> , 2021, 64, 992-1009.	2.8	8

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55	Designing new catalysts for synthetic fuels: general discussion. Faraday Discussions, 2017, 197, 353-388.	3.2	7
56	Solvent-Activated Hafnium-Containing Zeolites Enable Selective and Continuous Glucose-Fructose Isomerisation. Angewandte Chemie, 2020, 132, 20192-20198.	2.0	6
57	Designing new catalysts: synthesis of new active structures: general discussion. Faraday Discussions, 2016, 188, 131-159.	3.2	4
58	Chapter 7. Catalyst preparation using supercritical fluid precipitation. Catalysis, 0, , 218-248.	1.0	3
59	A Review of Preparation Strategies for $\text{I}^{\pm}\text{-MoCl}_x$ Catalysts. Johnson Matthey Technology Review, 2022, 66, 285-315.	1.0	3
60	The effect of ring size on the selective carboxylation of cycloalkene oxides. Catalysis Science and Technology, 2017, 7, 1433-1439.	4.1	2
61	Preface to Special Issue on 5th UK Catalysis Conference (UKCC 2019). Topics in Catalysis, 2020, 63, 255-255.	2.8	1
62	Synchrotron Radiation and Catalytic Science. Synchrotron Radiation News, 2020, 33, 10-14.	0.8	1
63	Advanced approaches: general discussion. Faraday Discussions, 2021, 229, 378-421.	3.2	1
64	Characterisation of ethylene adsorption on model skeletal cobalt catalysts by inelastic and quasi-elastic neutron scattering. Catalysis Communications, 2022, 163, 106409.	3.3	1
65	Application of novel catalysts: general discussion. Faraday Discussions, 2016, 188, 399-426.	3.2	0
66	Faraday Discussions meeting Catalysis for Fuels. Chemical Communications, 2017, 53, 4880-4887.	4.1	0
67	Precious Metals for Environmental Catalysis: Gold. , 2017, , 181-209.		0
68	Theory: general discussion. Faraday Discussions, 2021, 229, 131-160.	3.2	0
69	Iron molybdate catalysts synthesised <i>via</i> dicarboxylate decomposition for the partial oxidation of methanol to formaldehyde. Catalysis Science and Technology, 2022, 12, 4552-4560.	4.1	0