Simon A Kondrat

List of Publications by Year
in descending order

69 papers	2,699 citations	172457 29 h-index	182427 51 g-index
70 all docs	70 docs citations	70 times ranked	3941 citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Preparation Strategies for Î±-MoC1â€“x Catalysts. Johnson Matthey Technology Review, 2022, 66, 285-315.	1.0	3
2	Characterisation of ethylene adsorption on model skeletal cobalt catalysts by inelastic and quasi-elastic neutron scattering. Catalysis Communications, 2022, 163, 106409.	3.3	1
3	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
4	Theory: general discussion. Faraday Discussions, 2021, 229, 131-160.	3.2	0
5	Advanced approaches: general discussion. Faraday Discussions, 2021, 229, 378-421.	3.2	1
6	Sulfur Promotion in Au/C Catalyzed Acetylene Hydrochlorination. Small, 2021, 17, 2007221.	10.0	16
7	Evaluating the Activity and Stability of Perovskite LaMO3-Based Pt Catalysts in the Aqueous Phase Reforming of Glycerol. Topics in Catalysis, 2021, 64, 992-1009.	2.8	8
8	Solventâ€Activated Hafniumâ€Containing Zeolites Enable Selective and Continuous Glucoseâ€“Fructose Isomerisation. Angewandte Chemie, 2020, 132, 20192-20198.	2.0	6
9	Solventâ€Activated Hafniumâ€Containing Zeolites Enable Selective and Continuous Glucoseâ€“Fructose Isomerisation. Angewandte Chemie - International Edition, 2020, 59, 20017-20023.	13.8	31
10	Preface to Special Issue on 5th UK Catalysis Conference (UKCC 2019). Topics in Catalysis, 2020, 63, 255-255.	2.8	1
11	Operando potassium K-edge X-ray absorption spectroscopy: investigating potassium catalysts during soot oxidation. Physical Chemistry Chemical Physics, 2020, 22, 18976-18988.	2.8	12
12	<i>In situ</i> K-edge X-ray absorption spectroscopy of the ligand environment of single-site Au/C catalysts during acetylene hydrochlorination. Chemical Science, 2020, 11, 7040-7052.	7.4	23
13	Synchrotron Radiation and Catalytic Science. Synchrotron Radiation News, 2020, 33, 10-14.	0.8	1
14	Enhancing the understanding of the glycerol to lactic acid reaction mechanism over AuPt/TiO2 under alkaline conditions. Journal of Chemical Physics, 2020, 152, 134705.	3.0	21
15	Facile synthesis of precious-metal single-site catalysts using organic solvents. Nature Chemistry, 2020, 12, 560-567.	13.6	96
16	A Perspective on Counting Catalytic Active Sites and Rates of Reaction Using X-Ray Spectroscopy. Topics in Catalysis, 2019, 62, 1218-1227.	2.8	27
17	Solvent-free aerobic epoxidation of 1-decene using supported cobalt catalysts. Catalysis Today, 2019, 333, 154-160.	4.4	11
18	Oxidative Carboxylation of 1-Decene to 1,2-Decylene Carbonate. Topics in Catalysis, 2018, 61, 509-518.	2.8	13

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19	Homocoupling of Phenylboronic Acid using Atomically Dispersed Gold on Carbon Catalysts: Catalyst Evolution Before Reaction. ChemCatChem, 2018, 10, 1853-1859.	3.7	15
20	Preparation of a highly active ternary Cu-Zn-Al oxide methanol synthesis catalyst by supercritical CO2 anti-solvent precipitation. Catalysis Today, 2018, 317, 12-20.	4.4	31
21	Elucidating the Role of CO₂ in the Soft Oxidative Dehydrogenation of Propane over Ceria-Based Catalysts. ACS Catalysis, 2018, 8, 3454-3468.	11.2	80
22	Deactivation of a Single-Site Gold-on-Carbon Acetylene Hydrochlorination Catalyst: An X-ray Absorption and Inelastic Neutron Scattering Study. ACS Catalysis, 2018, 8, 8493-8505.	11.2	63
23	The effect of ring size on the selective carboxylation of cycloalkene oxides. Catalysis Science and Technology, 2017, 7, 1433-1439.	4.1	2
24	Supercritical Antisolvent Precipitation of Amorphous Copperâ€“Zinc Georgeite and Acetate Precursors for the Preparation of Ambientâ€Pressure Waterâ€Gasâ€Shift Copper/Zinc Oxide Catalysts. ChemCatChem, 2017, 9, 1621-1631.	3.7	20
25	Faraday Discussions meeting Catalysis for Fuels. Chemical Communications, 2017, 53, 4880-4887.	4.1	0
26	Catalysis for Fuels: general discussion. Faraday Discussions, 2017, 197, 165-205.	3.2	8
27	Designing new catalysts for synthetic fuels: general discussion. Faraday Discussions, 2017, 197, 353-388.	3.2	7
28	The Effects of Secondary Oxides on Copperâ€Based Catalysts for Green Methanol Synthesis. ChemCatChem, 2017, 9, 1655-1662.	3.7	17
29	Precious Metals for Environmental Catalysis: Gold. , 2017, , 181-209.		0
30	Identification of single-site gold catalysis in acetylene hydrochlorination. Science, 2017, 355, 1399-1403.	12.6	380
31	A new class of Cu/ZnO catalysts derived from zincian georgeite precursors prepared by co-precipitation. Chemical Science, 2017, 8, 2436-2447.	7.4	32
32	Acetylene hydrochlorination using Au/carbon: a journey towards single site catalysis. Chemical Communications, 2017, 53, 11733-11746.	4.1	64
33	The controlled catalytic oxidation of furfural to furoic acid using AuPd/Mg(OH)₂. Catalysis Science and Technology, 2017, 7, 5284-5293.	4.1	87
34	The effect of sodium species on methanol synthesis and waterâ€“gas shift Cu/ZnO catalysts: utilising high purity zincian georgeite. Faraday Discussions, 2017, 197, 287-307.	3.2	33
35	Spectroscopic Investigation of Titaniaâ€Supported Gold Nanoparticles Prepared by a Modified Deposition/Precipitation Method for the Oxidation of CO. ChemCatChem, 2016, 8, 2136-2145.	3.7	11
36	Ethanol to 1,3â€Butadiene Conversion by using ZrZnâ€Containing MgO/SiO₂ Systems Prepared by Coâ€precipitation and Effect of Catalyst Acidity Modification. ChemCatChem, 2016, 8, 2376-2386.	3.7	54

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37	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. Faraday Discussions, 2016, 188, 427-450.	3.2	41
38	An investigation of the effect of carbon support on ruthenium/carbon catalysts for lactic acid and butanone hydrogenation. Physical Chemistry Chemical Physics, 2016, 18, 17259-17264.	2.8	19
39	Designing new catalysts: synthesis of new active structures: general discussion. Faraday Discussions, 2016, 188, 131-159.	3.2	4
40	Application of novel catalysts: general discussion. Faraday Discussions, 2016, 188, 399-426.	3.2	0
41	The surface of iron molybdate catalysts used for the selective oxidation of methanol. Surface Science, 2016, 648, 163-169.	1.9	36
42	Stable amorphous georgeite as a precursor to a high-activity catalyst. Nature, 2016, 531, 83-87.	27.8	128
43	Dehydrative Etherification Reactions of Glycerol with Alcohols Catalyzed by Recyclable Nanoporous Aluminosilicates: Telescoped Routes to Glyceryl Ethers. ACS Sustainable Chemistry and Engineering, 2016, 4, 835-843.	6.7	17
44	An Investigation of the Effect of the Addition of Tin to 5â€‰%Pd/TiO₂ for the Hydrogenation of Furfuryl Alcohol. ChemCatChem, 2015, 7, 2122-2129.	3.7	23
45	Methyl Formate Formation from Methanol Oxidation Using Supported Goldâ€“Palladium Nanoparticles. ACS Catalysis, 2015, 5, 637-644.	11.2	78
46	Nanoporous alumino- and borosilicate-mediated Meinwald rearrangement of epoxides. Applied Catalysis A: General, 2015, 493, 17-24.	4.3	19
47	Ruthenium Nanoparticles Supported on Carbon: An Active Catalyst for the Hydrogenation of Lactic Acid to 1,2-Propanediol. ACS Catalysis, 2015, 5, 5047-5059.	11.2	91
48	Supercritical antisolvent precipitation of TiO2 with tailored anatase/rutile composition for applications in redox catalysis and photocatalysis. Applied Catalysis A: General, 2015, 504, 62-73.	4.3	29
49	Auâ€“Pd Nanoparticles Dispersed on Composite Titania/Graphene Oxide-Supports as a Highly Active Oxidation Catalyst. ACS Catalysis, 2015, 5, 3575-3587.	11.2	103
50	Total oxidation of naphthalene using copper manganese oxide catalysts. Catalysis Today, 2015, 258, 610-615.	4.4	23
51	The use of carbon monoxide as a probe molecule in spectroscopic studies for determination of exposed gold sites on TiO₂. Physical Chemistry Chemical Physics, 2015, 17, 23236-23244.	2.8	16
52	Mechanochemical synthesis of copper manganese oxide for the ambient temperature oxidation of carbon monoxide. Applied Catalysis B: Environmental, 2015, 165, 222-231.	20.2	53
53	Surface functionalized TiO2 supported Pd catalysts for solvent-free selective oxidation of benzyl alcohol. Catalysis Today, 2015, 250, 218-225.	4.4	45
54	Base-free glucose oxidation using air with supported gold catalysts. Green Chemistry, 2014, 16, 3132-3141.	9.0	71

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55	Novel cobalt zinc oxide Fischerâ€“Tropsch catalysts synthesised using supercritical anti-solvent precipitation. Catalysis Science and Technology, 2014, 4, 1970-1978.	4.1	29
56	Baseâ€Free Oxidation of Glycerol Using Titaniaâ€Supported Trimetallic Auâ€“Pdâ€“Pt Nanoparticles. ChemSusChem, 2014, 7, 1326-1334.	6.8	73
57	Selective deposition of palladium onto supported nickel â€“ bimetallic catalysts for the hydrogenation of crotonaldehyde. Catalysis Science and Technology, 2013, 3, 2746.	4.1	20
58	Partial Oxidation of Ethane to Oxygenates Using Fe- and Cu-Containing ZSM-5. Journal of the American Chemical Society, 2013, 135, 11087-11099.	13.7	83
59	Green preparation of transition metal oxide catalysts using supercritical CO2 anti-solvent precipitation for the total oxidation of propane. Applied Catalysis B: Environmental, 2013, 140-141, 671-679.	20.2	50
60	Physical mixing of metal acetates: optimisation of catalyst parameters to produce highly active bimetallic catalysts. Catalysis Science and Technology, 2013, 3, 2910.	4.1	10
61	Selective catalytic oxidation using supported goldâ€“platinum and palladiumâ€“platinum nanoalloys prepared by sol-immobilisation. Physical Chemistry Chemical Physics, 2013, 15, 10636.	2.8	37
62	In situ spectroscopic investigation of oxidative dehydrogenation and disproportionation of benzyl alcohol. Physical Chemistry Chemical Physics, 2013, 15, 12147.	2.8	43
63	Elucidation and Evolution of the Active Component within Cu/Fe/ZSM-5 for Catalytic Methane Oxidation: From Synthesis to Catalysis. ACS Catalysis, 2013, 3, 689-699.	11.2	117
64	Preparation of Fischerâ€“Tropsch Supported Cobalt Catalysts Using a New Gas Anti-Solvent Process. ACS Catalysis, 2013, 3, 764-772.	11.2	18
65	Aqueous-Phase Methane Oxidation over Fe-MFI Zeolites; Promotion through Isomorphous Framework Substitution. ACS Catalysis, 2013, 3, 1835-1844.	11.2	99
66	Physical mixing of metal acetates: a simple, scalable method to produce active chloride free bimetallic catalysts. Chemical Science, 2012, 3, 2965.	7.4	38
67	Synthesis of high surface area CuMn2O4 by supercritical anti-solvent precipitation for the oxidation of CO at ambient temperature. Catalysis Science and Technology, 2011, 1, 740.	4.1	50
68	The effect of heat treatment on phase formation of copper manganese oxide: Influence on catalytic activity for ambient temperature carbon monoxide oxidation. Journal of Catalysis, 2011, 281, 279-289.	6.2	58
69	Chapter 7. Catalyst preparation using supercritical fluid precipitation. Catalysis, 0, , 218-248.	1.0	3