

Stephen David Worrall

List of Publications by Year in descending order

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28
papers

1,428
citations

430874

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526287

27
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39
all docs

39
docs citations

39
times ranked

2891
citing authors

#	ARTICLE	IF	CITATIONS
1	Desalination and Nanofiltration through Functionalized Lamellar MoS ₂ Membranes. ACS Nano, 2017, 11, 11082-11090.	14.6	275
2	Comparison of Two-Dimensional Transition Metal Dichalcogenides for Electrochemical Supercapacitors. Electrochimica Acta, 2016, 201, 30-37.	5.2	211
3	Electron Transfer Kinetics on Mono- and Multilayer Graphene. ACS Nano, 2014, 8, 10089-10100.	14.6	160
4	Electrochemical deposition of zeolitic imidazolate framework electrode coatings for supercapacitor electrodes. Electrochimica Acta, 2016, 197, 228-240.	5.2	116
5	Evaluating the sensitivity of radical chemistry and ozone formation to ambient VOCs and NO _x and ClNO ₂ in Beijing. Atmospheric Chemistry and Physics, 2021, 21, 2125-2147.	4.9	64
6	Electron transfer kinetics on natural crystals of MoS ₂ and graphite. Physical Chemistry Chemical Physics, 2015, 17, 17844-17853.	2.8	57
7	Production of N ₂ O and ClNO ₂ in summer in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 11581-11597.	4.9	57
8	Intercomparison of nitrous acid (HONO) measurement techniques in a megacity (Beijing). Atmospheric Measurement Techniques, 2019, 12, 6449-6463.	3.1	44
9	A method for extracting calibrated volatility information from the FIGAERO-HR-ToF-CIMS and its experimental application. Atmospheric Measurement Techniques, 2019, 12, 1429-1439.	3.1	42
10	Observations of organic and inorganic chlorinated compounds and their contribution to chlorine radical concentrations in an urban environment in northern Europe during the wintertime. Atmospheric Chemistry and Physics, 2018, 18, 13481-13493.	4.9	41
11	A review of gas-surface interaction models for orbital aerodynamics applications. Progress in Aerospace Sciences, 2020, 119, 100675.	12.1	41
12	Metal-organic framework templated electrodeposition of functional gold nanostructures. Electrochimica Acta, 2016, 222, 361-369.	5.2	40
13	Electronic structure design for nanoporous, electrically conductive zeolitic imidazolate frameworks. Journal of Materials Chemistry C, 2017, 5, 7726-7731.	5.5	40
14	Strong anthropogenic control of secondary organic aerosol formation from isoprene in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 7531-7552.	4.9	35
15	Hydrogen Evolution at Liquid Liquid Interfaces Catalyzed by 2D Materials. ChemNanoMat, 2017, 3, 428-435.	2.8	29
16	Facile fabrication of metal-organic framework HKUST-1-based rewritable data storage devices. Journal of Materials Chemistry C, 2016, 4, 8687-8695.	5.5	25
17	Low-NO atmospheric oxidation pathways in a polluted megacity. Atmospheric Chemistry and Physics, 2021, 21, 1613-1625.	4.9	24
18	Hydrogen evolution and capacitance behavior of Au/Pd nanoparticle-decorated graphene heterostructures. Applied Materials Today, 2017, 8, 125-131.	4.3	20

#	ARTICLE	IF	CITATIONS
19	Key Role of NO ₃ Radicals in the Production of Isoprene Nitrates and Nitrooxyorganosulfates in Beijing. <i>Environmental Science & Technology</i> , 2021, 55, 842-853.	10.0	18
20	The effect of structure and isomerism on the vapor pressures of organic molecules and its potential atmospheric relevance. <i>Aerosol Science and Technology</i> , 2019, 53, 1040-1055.	3.1	16
21	Chemical characterisation of benzene oxidation products under high- and low-NO conditions using chemical ionisation mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3473-3490.	4.9	16
22	Anodic dissolution growth of metal-organic framework HKUST-1 monitored <i>via in situ</i> electrochemical atomic force microscopy. <i>CrystEngComm</i> , 2018, 20, 4421-4427.	2.6	15
23	Using highly time-resolved online mass spectrometry to examine biogenic and anthropogenic contributions to organic aerosol in Beijing. <i>Faraday Discussions</i> , 2021, 226, 382-408.	3.2	13
24	A Large Source of Atomic Chlorine From ClNO ₂ Photolysis at a U.K. Landfill Site. <i>Geophysical Research Letters</i> , 2019, 46, 8508-8516.	4.0	11
25	Measured solid state and subcooled liquid vapour pressures of nitroaromatics using Knudsen effusion mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8293-8314.	4.9	6
26	Accessible and sustainable Cu(0)-mediated radical polymerisation for the functionalisation of surfaces. <i>Polymer Chemistry</i> , 2020, 11, 3831-3840.	3.9	4
27	Measured Solid State and Sub-Cooled Liquid Vapour Pressures of Benzaldehydes Using Knudsen Effusion Mass Spectrometry. <i>Atmosphere</i> , 2021, 12, 397.	2.3	1
28	Effect of methacrylic acid and pendant vinyl groups on the mechanical properties of highly stretchable core-shell nanostructured films deposited from water. <i>Polymer Chemistry</i> , 2021, 12, 466-477.	3.9	0