William J Trompetter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	646 citations	17 h-index	24 g-index
41 ext. papers	727 ext. citations	3.9 avg, IF	3.64 L-index

#	Paper	IF	Citations
40	Electromagnetic Angular Momentum of an Orbiting Charge. *Foundations of Physics*, **2021**, 51, 1	1.2	0
39	Investigation of New Zealand natural magnetic minerals for application in inroad charging systems. *International Journal of Modern Physics B*, **2020**, 34, 2040018	1.1	2
38	Sources of indoor air pollution at a New Zealand urban primary school; a case study. *Atmospheric Pollution Research*, **2019**, 10, 435-444	4.5	23
37	New phosphors synthesised by ion exchange of a metakaolin-based geopolymer. *Applied Clay Science*, **2018**, 157, 1-7	5.2	8
36	High-resolution sampling and analysis of ambient particulate matter in the Pearl River Delta region of southern China: source apportionment and health risk implications. *Atmospheric Chemistry and Physics*, **2018**, 18, 2049-2064	6.8	27
35	Oxidation resistance of Sialon/TiN composites: an ion beam analysis (IBA) study. *Journal of Materials Science*, **2018**, 53, 15348-15361	4.3	2
34	Novel photoluminescent materials based on gallium silicate inorganic polymer hosts activated with Sm3+ or Eu3+. *Journal of Non-Crystalline Solids*, **2017**, 460, 98-105	3.9	6
33	Aluminosilicate inorganic polymers (geopolymers) containing rare earth ions: a new class of photoluminescent materials. *Journal of Materials Science*, **2017**, 52, 11370-11382	4.3	7
32	High time-resolved elemental components in fine and coarse particles in the Pearl River Delta region of Southern China: Dynamic variations and effects of meteorology. *Science of the Total Environment*, **2016**, 572, 634-648	10.2	17
31	Fugitive emissions from nanopowder manufacturing. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	3
30	Particulate matter sources and long-term trends in a small New Zealand city. *Atmospheric Pollution Research*, **2015**, 6, 1105-1112	4.5	6
29	Sources of particulate matter pollution in a small New Zealand city. *Atmospheric Pollution Research*, **2014**, 5, 572-580	4.5	17
28	Particulate matter sources on an hourly timescale in a rural community during the winter. *Journal of the Air and Waste Management Association*, **2014**, 64, 501-8	2.4	12
27	Sources and transport of particulate matter on an hourly time-scale during the winter in a New Zealand urban valley. *Urban Climate*, **2014**, 10, 644-655	6.8	12
26	Determination of chemical elements in airborne particulate matter collected at Lembang, Indonesia by particle induced X-ray emission. *Journal of Radioanalytical and Nuclear Chemistry*, **2013**, 297, 177-182	1.5	3
25	Vertical and temporal variations of black carbon in New Zealand urban areas during winter. *Atmospheric Environment*, **2013**, 75, 179-187	5.3	24
24	Carbonaceous aerosols in a wood burning community in rural New Zealand. *Atmospheric Pollution Research*, **2013**, 4, 245-249	4.5	16

23	Seasonality of Airmass Pathways to Coastal Antarctica: Ramifications for Interpreting High-Resolution Ice Core Records. *Journal of Climate*, **2013**, 26, 2065-2076	4.4	20
22	Effect of atmospheric stability on the impact of domestic wood combustion to air quality of a small urban township in winter. *Atmospheric Environment*, **2013**, 70, 28-38	5.3	25
21	Identification of particulate matter sources on an hourly time-scale in a wood burning community. *Environmental Science & Technology*, **2012**, 46, 4767-74	10.3	36
20	AIR PARTICULATE MATTER POLLUTION IN ULAANBAATAR CITY, MONGOLIA. *International Journal of PIXE*, **2012**, 22, 165-171	0.1	5
19	RECENT DEVELOPMENTS IN THE AIR PARTICULATE RESEARCH CAPABILITY AT THE NEW ZEALAND ION BEAM ANALYSIS FACILITY. *International Journal of PIXE*, **2012**, 22, 121-130	0.1	2
18	Composition and source contributions of air particulate matter pollution in a New Zealand suburban town. *Atmospheric Pollution Research*, **2012**, 3, 143-147	4.5	23
17	Carbonaceous aerosols in an urban tunnel. *Atmospheric Environment*, **2011**, 45, 4463-4469	5.3	52
16	Air particulate matter pollution in Ulaanbaatar, Mongolia: determination of composition, source contributions and source locations. *Atmospheric Pollution Research*, **2011**, 2, 126-137	4.5	55
15	Synoptic controls on precipitation pathways and snow delivery to high-accumulation ice core sites in the Ross Sea region, Antarctica. *Journal of Geophysical Research*, **2010**, 115,		32
14	Influence of environmental conditions on carbonaceous particle concentrations within New Zealand. *Journal of Aerosol Science*, **2010**, 41, 134-142	4.3	24
13	The Effect of Substrate Surface Oxides on the Bonding of NiCr Alloy Particles HVAF Thermally Sprayed onto Aluminum Substrates. *Journal of Thermal Spray Technology*, **2010**, 19, 1024-1031	2.5	6
12	Deuteron microprobe analysis of carbon in the transition region between SiC and Si nanostructures grown on Si. *Nuclear Instruments & Methods in Physics Research B*, **2007**, 260, 325-328	1.2	1
11	Effect of substrate hardness on splat morphology in high-velocity thermal spray coatings. *Journal of Thermal Spray Technology*, **2006**, 15, 663-669	2.5	32
10	Evidence of mechanical interlocking of NiCr particles thermally sprayed onto Al substrates. *Journal of Thermal Spray Technology*, **2005**, 14, 524-529	2.5	19
9	AIR PARTICULATE RESEARCH CAPABILITY AT THE NEW ZEALAND ION BEAM ANALYSIS FACILITY USING PIXE AND IBA TECHNIQUES. *International Journal of PIXE*, **2005**, 15, 249-255	0.1	28
8	Calibration of eddy current carburization measurements in ethylene production tubes using ion beam analysis. *Journal Physics D: Applied Physics*, **2004**, 37, 501-509	3	11
7	Mineral deposits in the Rotokawa geothermal pipelines, New Zealand. *Journal of Volcanology and Geothermal Research*, **2003**, 119, 215-239	2.8	46
6	Role of oxides in high velocity thermal spray coatings. *Nuclear Instruments & Methods in Physics Research B*, **2002**, 190, 518-523	1.2	20

5	Influence of the Native Oxide Layer on the Silicon Surface During Initial Stages of Nitridation. *Mikrochimica Acta*, **2001**, 137, 49-56	5.8	2
4	Oxygen and hydrogen profiles in metal surfaces following plasma immersion ion implantation of helium. *Surface and Coatings Technology*, **2001**, 136, 217-222	4.4	17
3	USE OF IBA TECHNIQUES FOR THE MEASUREMENT OF OXIDATION PROCESSES IN SIALON CERAMICS. *Modern Physics Letters B*, **2001**, 15, 1305-1313	1.6	1
2	USE OF IBA TECHNIQUES TO CHARACTERIZE HIGH VELOCITY THERMAL SPRAY COATINGS. *Modern Physics Letters B*, **2001**, 15, 1428-1436	1.6	3
1	Evolution of Rutherford ion beam science to applied research activities at GNS Science. *Journal of the Royal Society of New Zealand*,1-18	2	1