

# Douglas B Mawhinney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12136046/publications.pdf>

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13  
papers

2,165  
citations

759233

12  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

2777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared Spectral Evidence for the Etching of Carbon Nanotubes: Ozone Oxidation at 298 K. Journal of the American Chemical Society, 2000, 122, 2383-2384.	13.7	568
2	Enhancement of adsorption inside of single-walled nanotubes: opening the entry ports. Chemical Physics Letters, 2000, 321, 292-296.	2.6	442
3	Surface defect site density on single walled carbon nanotubes by titration. Chemical Physics Letters, 2000, 324, 213-216.	2.6	370
4	FTIR Study of the Oxidation of Porous Silicon. Journal of Physical Chemistry B, 1997, 101, 1202-1206.	2.6	314
5	FTIR study of the oxidation of amorphous carbon by ozone at 300 K Direct COOH formation. Carbon, 2001, 39, 1167-1173.	10.3	123
6	The determination of organophosphonate nerve agent metabolites in human urine by hydrophilic interaction liquid chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 235-243.	2.3	86
7	Adsorption and Reaction of 2-Chloroethylethyl Sulfide with Al <sub>2</sub> O <sub>3</sub> Surfaces. Langmuir, 1999, 15, 4789-4795.	3.5	72
8	Transformation of 1 <i>H</i> -Benzotriazole by Ozone in Aqueous Solution. Environmental Science & Technology, 2012, 46, 7102-7111.	10.0	66
9	Adsorption Studies by Transmission IR Spectroscopy: A New Method for Opaque Materials. Langmuir, 1999, 15, 4617-4621.	3.5	43
10	Infrared Spectroscopic Study of Surface Diffusion to Surface Hydroxyl Groups on Al <sub>2</sub> O <sub>3</sub> : 2-Chloroethylethyl Sulfide Adsorption Site Selection. Langmuir, 2000, 16, 2237-2241.	3.5	31
11	Enhancing the response of alkyl methylphosphonic acids in negative electrospray ionization liquid chromatography tandem mass spectrometry by post-column addition of organic solvents. Journal of the American Society for Mass Spectrometry, 2007, 18, 1821-1826.	2.8	31
12	Real-Time Detection and Identification of Aqueous Chlorine Transformation Products Using QTOF MS. Analytical Chemistry, 2008, 80, 4193-4199.	6.5	17
13	Breaking the Ga-CH <sub>3</sub> bond at cryogenic temperatures using atomic hydrogen. Adsorbed trimethylgallium reactivity. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 679-685.	2.1	2