

# Fraser G L Parlane

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4023707/publications.pdf>

Version: 2024-02-01

11  
papers

958  
citations

933447

10  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-driving laboratory for accelerated discovery of thin-film materials. <i>Science Advances</i> , 2020, 6, eaaz8867.	10.3	306
2	Gas diffusion electrodes and membranes for CO <sub>2</sub> reduction electrolyzers. <i>Nature Reviews Materials</i> , 2022, 7, 55-64.	48.7	265
3	Kinetic pathway for interfacial electron transfer from a semiconductor to a molecule. <i>Nature Chemistry</i> , 2016, 8, 853-859.	13.6	96
4	Halogen Bonding Promotes Higher Dye-Sensitized Solar Cell Photovoltages. <i>Journal of the American Chemical Society</i> , 2016, 138, 10406-10409.	13.7	65
5	A self-driving laboratory advances the Pareto front for material properties. <i>Nature Communications</i> , 2022, 13, 995.	12.8	55
6	Rhenium Complexes of Pyridyl-Mesoionic Carbenes: Photochemical Properties and Electrocatalytic CO <sub>2</sub> Reduction. <i>Inorganic Chemistry</i> , 2020, 59, 4215-4227.	4.0	43
7	Evidence for Interfacial Halogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5956-5960.	13.8	40
8	Spectroscopic detection of halogen bonding resolves dye regeneration in the dye-sensitized solar cell. <i>Nature Communications</i> , 2017, 8, 1761.	12.8	35
9	Flexible automation accelerates materials discovery. <i>Nature Materials</i> , 2022, 21, 722-726.	27.5	33
10	Quantifying defects in thin films using machine vision. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	18
11	Rapid and Accurate Thin Film Thickness Extraction via UV-Vis and Machine Learning. , 2020, , .		2