

# Neil Gray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3542351/publications.pdf>

Version: 2024-02-01

17  
papers

338  
citations

1039406

9  
h-index

1058022

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a mechanistic understanding of carbon stabilization in manganese oxides. <i>Nature Communications</i> , 2015, 6, 7628.	5.8	102
2	Stable biogas production from single-stage anaerobic digestion of food waste. <i>Applied Energy</i> , 2020, 263, 114609.	5.1	63
3	Microbial diversity in degraded and non-degraded petroleum samples and comparison across oil reservoirs at local and global scales. <i>Extremophiles</i> , 2017, 21, 211-229.	0.9	34
4	Predicting the effects of integrating mineral wastes in anaerobic digestion of OFMSW using first-order and Gompertz models from biomethane potential assays. <i>Renewable Energy</i> , 2020, 152, 308-319.	4.3	28
5	In depth metagenomic analysis in contrasting oil wells reveals syntrophic bacterial and archaeal associations for oil biodegradation in petroleum reservoirs. <i>Science of the Total Environment</i> , 2020, 715, 136646.	3.9	28
6	Co-digestion of organic and mineral wastes for enhanced biogas production: Reactor performance and evolution of microbial community and function. <i>Waste Management</i> , 2019, 87, 313-325.	3.7	20
7	Improving the methane productivity of anaerobic digestion using aqueous extracts from municipal solid waste incinerator ash. <i>Journal of Environmental Management</i> , 2020, 260, 110160.	3.8	15
8	Low-Temperature Pretreatment of Organic Feedstocks with Selected Mineral Wastes Sustains Anaerobic Digestion Stability through Trace Metal Release. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9095-9105.	4.6	10
9	An indigenous iron-reducing microbial community from MX80 bentonite - A study in the framework of nuclear waste disposal. <i>Applied Clay Science</i> , 2021, 205, 106039.	2.6	9
10	Survival and activity of an indigenous iron-reducing microbial community from MX80 bentonite in high temperature / low water environments with relevance to a proposed method of nuclear waste disposal. <i>Science of the Total Environment</i> , 2022, 814, 152660.	3.9	8
11	Decontamination of geological samples by gas cluster ion beam etching or ultra violet/ozone. <i>Chemical Geology</i> , 2017, 466, 256-262.	1.4	6
12	Data of metal and microbial analyses from anaerobic co-digestion of organic and mineral wastes. <i>Data in Brief</i> , 2019, 24, 103934.	0.5	5
13	The organic stratigraphy of Ontong Java Plateau Tuff correlated with the depth-related presence and absence of putative microbial alteration structures. <i>Geobiology</i> , 2019, 17, 281-293.	1.1	5
14	The Family Achromatiaceae. , 2014, , 1-14.		2
15	Combining thermal hydrolysis and methylation-gas chromatography/mass spectrometry with X-ray photoelectron spectroscopy to characterise complex organic assemblages in geological material. <i>MethodsX</i> , 2019, 6, 2646-2655.	0.7	2
16	Bacterial communities in soils as indicators of the potential of syenite as an agromineral. <i>Pesquisa Agropecuaria Brasileira</i> , 0, 57, .	0.9	1
17	A comparison of the molecular composition of plant and fungal structural biopolymer standards with the organic material in early cretaceous Ontong Java Plateau Tuff. <i>Chemical Geology</i> , 2021, 565, 120078.	1.4	0