

# David R G Mitchell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11143934/publications.pdf>

Version: 2024-02-01

15  
papers

1,054  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1704  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural and associated chemical changes during the composting of a high temperature biochar: Mechanisms for nitrate, phosphate and other nutrient retention and release. <i>Science of the Total Environment</i> , 2018, 618, 1210-1223.	8.0	163
2	Mineralâ€Biochar Composites: Molecular Structure and Porosity. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7706-7714.	10.0	148
3	Biochar bound urea boosts plant growth and reduces nitrogen leaching. <i>Science of the Total Environment</i> , 2020, 701, 134424.	8.0	137
4	Chemolithotrophic processes in the bacterial communities on the surface of mineral-enriched biochars. <i>ISME Journal</i> , 2017, 11, 1087-1101.	9.8	121
5	Gold Nanoparticle Incorporation into Porous Titania Networks Using an Agarose Gel Templating Technique for Photocatalytic Applications. <i>Chemistry of Materials</i> , 2008, 20, 3917-3926.	6.7	103
6	Biochar-based fertilizer: Supercharging root membrane potential and biomass yield of rice. <i>Science of the Total Environment</i> , 2020, 713, 136431.	8.0	78
7	Thermoelectric Performance of <i>n</i> -Type (PbTe) <sub>0.75</sub> (PbS) <sub>0.15</sub> (PbSe) <sub>0.1</sub> Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11476-11483.	8.0	69
8	Heterogeneous Distribution of Sodium for High Thermoelectric Performance of <i>p</i> -Type Multiphase Leadâ€Chalcogenides. <i>Advanced Energy Materials</i> , 2015, 5, 1501047.	19.5	63
9	Effective gel for gold nanoparticle formation, support and metal oxide templating. <i>Chemical Communications</i> , 2007, , 3060.	4.1	51
10	Pyrolysis of attapulgite clay blended with yak dung enhances pasture growth and soil health: Characterization and initial field trials. <i>Science of the Total Environment</i> , 2017, 607-608, 184-194.	8.0	36
11	Noble Metalâ€Modified Porous Titania Networks and their Application as Photocatalysts. <i>ChemCatChem</i> , 2011, 3, 1763-1771.	3.7	28
12	Enhanced Photocatalytic Activity: Macroporous Electrospun Mats of Mesoporous Au/TiO <sub>2</sub> Nanofibers. <i>ChemCatChem</i> , 2013, 5, 2646-2654.	3.7	28
13	Biochar-based fertiliser enhances nutrient uptake and transport in rice seedlings. <i>Science of the Total Environment</i> , 2022, 826, 154174.	8.0	13
14	Fertilizing behavior of extract of organomineral-activated biochar: low-dose foliar application for promoting lettuce growth. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	4.6	9
15	Advanced characterization of biomineralization at plaque layer and inside rice roots amended with iron- and silica-enhanced biochar. <i>Scientific Reports</i> , 2021, 11, 159.	3.3	7