

# Mehdi Rouhani

## List of Publications by Year in descending order

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Version: 2024-02-01

9  
papers

205  
citations

1163117

8  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochromism of amorphous molybdenum oxide films with different initial Mo <sup>5+</sup> relative concentrations. Applied Surface Science, 2013, 273, 150-158.	6.1	54
2	In-situ thermal stability analysis of amorphous carbon films with different sp <sup>3</sup> content. Carbon, 2018, 130, 401-409.	10.3	48
3	The influence of initial stoichiometry on the mechanism of photochromism of molybdenum oxide amorphous films. Solar Energy Materials and Solar Cells, 2014, 126, 26-35.	6.2	26
4	In-situ thermal stability analysis of amorphous Si-doped carbon films. Carbon, 2021, 184, 772-785.	10.3	17
5	Spectroscopic investigation of thermally induced structural evolution of a-C:H:Si film. Applied Surface Science, 2021, 541, 148413.	6.1	15
6	Stress-dependent adhesion and sliding-induced nanoscale wear of diamond-like carbon studied using in situ TEM nanoindentation. Carbon, 2022, 193, 230-241.	10.3	14
7	Novel spatially coordinated in-situ Raman and nanoscale wear analysis of FCVA-deposited DLC film. AIP Advances, 2019, 9, .	1.3	12
8	In-situ and ex-situ comparison of oxidation of Inconel 718 manufactured by selective laser melting and conventional methods up to 650°C. Applied Surface Science, 2021, 569, 151037.	6.1	12
9	Delayed onset of photochromism in molybdenum oxide films caused by photoinduced defect formation. Science and Technology of Advanced Materials, 2011, 12, 055010.	6.1	7