

# Henning Moldenhauer

## List of Publications by Year in descending order

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15  
papers

235  
citations

1163117

8  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon- and tungsten-containing hydrogen-free and hydrogenated amorphous carbon films for friction-reducing applications. <i>Diamond and Related Materials</i> , 2022, 123, 108866.	3.9	1
2	Temperature-dependent tribological behavior of MoS <sub>2</sub> thin films synthesized by HiPIMS. <i>Tribology International</i> , 2021, 153, 106655.	5.9	7
3	Effects of acetylene flow rate and bias voltage on the structural and tribo-mechanical properties of sputtered a-C:H films. <i>Thin Solid Films</i> , 2020, 693, 137691.	1.8	8
4	Nitrogen doping of MoS <sub>x</sub> thin films sputtered by reactive High Power Impulse Magnetron Sputtering. <i>Thin Solid Films</i> , 2020, 713, 138267.	1.8	1
5	Controlling the Structural, Mechanical and Frictional Properties of MoS <sub>x</sub> Coatings by High-Power Impulse Magnetron Sputtering. <i>Coatings</i> , 2020, 10, 755.	2.6	6
6	Asymmetric spin transitions of nonthermalized Mn <sup>2+</sup> ions in (Zn,Mn)Se-based quantum wells. <i>Physical Review B</i> , 2020, 101, .	3.2	0
7	Influence of the bias-voltage, the argon pressure and the heating power on the structure and the tribological properties of HiPIMS sputtered MoS <sub>x</sub> films. <i>Surface and Coatings Technology</i> , 2020, 385, 125358.	4.8	18
8	Effect of the bias voltage on the structural and tribo-mechanical properties of Ag-containing amorphous carbon films. <i>Diamond and Related Materials</i> , 2020, 105, 107803.	3.9	17
9	Resonant Raman scattering characterization of thermally annealed HiPIMS deposited MoS coatings. <i>Surface and Coatings Technology</i> , 2019, 377, 124891.	4.8	10
10	Improved adhesion of a-C and a-C:H films with a CrC interlayer on 16MnCr5 by HiPIMS-pretreatment. <i>Surface and Coatings Technology</i> , 2019, 375, 877-887.	4.8	13
11	Porous purple glass – a cobalt imidazolate glass with accessible porosity from a meltable cobalt imidazolate framework. <i>Journal of Materials Chemistry A</i> , 2019, 7, 985-990.	10.3	109
12	Interaction effects of cathode power, bias voltage, and mid-frequency on the structural and mechanical properties of sputtered amorphous carbon films. <i>Applied Surface Science</i> , 2019, 487, 857-867.	6.1	16
13	Investigation of the Tribofilm Formation of HiPIMS Sputtered MoS <sub>x</sub> Thin Films in Different Environments by Raman Scattering. <i>Lubricants</i> , 2019, 7, 100.	2.9	9
14	Tribological properties of laser-generated hard ceramic particles in a gear drive contact. <i>Applied Surface Science</i> , 2019, 467-468, 811-818.	6.1	7
15	Raman scattering study of micrometer-sized spots of magnetite and hematite formed at 18CrNiMo7-6 screw rotor surfaces due to liquid-free, unsynchronized operation. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 425, 012016.	0.6	13