

# Sulin Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

230  
citations

1040056

9  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic friction-reducing and anti-wear behaviors of graphene with micro- and nano-crystalline diamond films. <i>Diamond and Related Materials</i> , 2017, 73, 25-32.	3.9	28
2	Cathodic electrophoretic deposition of magnesium nitrate modified graphene coating as a macro-scale solid lubricant. <i>Carbon</i> , 2019, 145, 297-310.	10.3	27
3	Mussel-Inspired Graphene Film with Enhanced Durability as a Macroscale Solid Lubricant. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31386-31392.	8.0	22
4	Corrosion- and wear-resistant composite film of graphene and mussel adhesive proteins on carbon steel. <i>Corrosion Science</i> , 2020, 164, 108351.	6.6	22
5	Graphenization of Diamond. <i>Chemistry of Materials</i> , 2022, 34, 3941-3947.	6.7	22
6	The influence of normal load on the tribological performance of electrophoretic deposition prepared graphene coating on micro-crystalline diamond surface. <i>Diamond and Related Materials</i> , 2017, 76, 50-57.	3.9	21
7	Enhancement on the tribological performance of diamond films by utilizing graphene coating as a solid lubricant. <i>Surface and Coatings Technology</i> , 2017, 311, 35-45.	4.8	20
8	Elucidating the atomic mechanism of the lubricity of graphene on the diamond substrate. <i>Applied Surface Science</i> , 2020, 504, 144372.	6.1	18
9	Enhanced lubricity of CVD diamond films by in-situ synthetization of top-layered graphene sheets. <i>Carbon</i> , 2021, 184, 680-688.	10.3	12
10	Microscopic Mechanisms Behind the High Friction and Failure Initiation of Graphene Wrinkles. <i>Langmuir</i> , 2021, 37, 6776-6782.	3.5	8
11	CVD diamond coated drawing dies: a review. <i>Materials and Manufacturing Processes</i> , 2021, 36, 381-408.	4.7	7
12	Tribological behaviors of diamond films and their applications in metal drawing production in water-lubricating condition. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2016, 230, 656-666.	1.8	6
13	Bilayer graphene film synthesized by hot filament chemical vapor deposition as a nanoscale solid lubricant. <i>Surface and Coatings Technology</i> , 2019, 380, 125061.	4.8	6
14	THE EFFECT OF THE DOUBLE-DECK FILAMENT SETUP ON ENHANCING THE UNIFORMITY OF TEMPERATURE FIELD ON LONG-FLUTE CUTTING TOOLS. <i>Surface Review and Letters</i> , 2014, 21, 1450078.	1.1	4
15	Interactions in Composite Film Formation of Mefp-1/graphene on Carbon Steel. <i>Coatings</i> , 2021, 11, 1161.	2.6	2
16	Strain-Induced Nonlinear Frictional Behavior of Graphene Nanowall Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51608-51617.	8.0	2
17	Substrate-dependent enhancement of the durability of EPD graphene coating as a macroscale solid lubricant. <i>Surface and Interface Analysis</i> , 2022, 54, 978-985.	1.8	2
18	The Interior Failure of Single-layer Graphene Activated by the Nanosized Asperity on the Substrate Surface. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000281.	3.7	1

#	ARTICLE	IF	CITATIONS
19	THE EFFECT OF THE GAS INLET ON THE FLUID FIELD DURING FABRICATING HFCVD DIAMOND-COATED CUTTING TOOLS. <i>Surface Review and Letters</i> , 2014, 21, 1450068.	1.1	0