

# Deen Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,226  
citations

516561

16  
h-index

477173

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer film growth of continuous carbon fiber reinforced thermoplastic poly(ether ether ketone) facilitated by surface texture during dry sliding. <i>Journal of Materials Science</i> , 2022, 57, 383-397.	1.7	7
2	Suppression of peeling failure in MoSi <sub>2</sub> film by doping of Si. <i>Surface and Coatings Technology</i> , 2022, 442, 128016.	2.2	5
3	Activity and stability of CoM <sub>x</sub> O <sub>y</sub> /Co <sub>3</sub> O <sub>4</sub> (M = Mo, W, V) nano-arrays synthesized by self-templated method for water oxidization. <i>Chemical Engineering Journal</i> , 2021, 426, 130063.	6.6	5
4	Review on current research of materials, fabrication and application for bipolar plate in proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29832-29847.	3.8	243
5	Enhanced protective coatings on Ti-10V-2Fe-3Al alloy through anodizing and post-sealing with layered double hydroxides. <i>Journal of Materials Science and Technology</i> , 2020, 37, 104-113.	5.6	25
6	Enhanced protective nanoparticle-modified MgAl-LDHs coatings on titanium alloy. <i>Surface and Coatings Technology</i> , 2020, 404, 126449.	2.2	12
7	Study on conductivity and corrosion resistance of N-doped and Cr/N co-doped DLC films on bipolar plates for PEMFC. <i>Diamond and Related Materials</i> , 2020, 110, 108156.	1.8	34
8	Corrosion inhibition behaviors of ZrN <sub>x</sub> thin films with varied N vacancy concentration. <i>Vacuum</i> , 2019, 162, 28-38.	1.6	7
9	Effect of Al Content on Microstructure and Mechanical Property of Nanocomposite TiAlSiN Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 199-205.	0.9	2
10	Tribological properties and corrosion resistance of CrSiN coatings prepared via hybrid HiPIMS and DCMS. <i>Materials Research Express</i> , 2019, 6, 086432.	0.8	7
11	Effect of the varied nitrogen vacancy concentration on mechanical and electrical properties of ZrN <sub>x</sub> thin films. <i>Thin Solid Films</i> , 2019, 683, 57-66.	0.8	5
12	Fabrication and characterization of an actively protective Mg-Al LDHs/Al <sub>2</sub> O <sub>3</sub> composite coating on magnesium alloy AZ31. <i>Applied Surface Science</i> , 2019, 487, 558-568.	3.1	59
13	Effect of bias on structure mechanical properties and corrosion resistance of TiN <sub>x</sub> films prepared by ion source assisted magnetron sputtering. <i>Thin Solid Films</i> , 2019, 676, 60-67.	0.8	16
14	Microstructure evolution and corrosion resistance of multi interfaces Al-TiAlN nanocomposite films on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2019, 357, 83-92.	2.2	28
15	Effect of temperature and bias voltage on electrical and electrochemical properties of diamond-like carbon films deposited with HiPIMS. <i>Surface and Coatings Technology</i> , 2019, 358, 987-993.	2.2	23
16	Effect of Electrolyte Pretreatment on the Formation of TiO <sub>2</sub> Nanotubes: An Ignored yet Non-negligible Factor. <i>ChemElectroChem</i> , 2018, 5, 1006-1012.	1.7	17
17	Microstructural effect on the tribo-corrosion behaviors of magnetron sputtered CrSiN coatings. <i>Wear</i> , 2018, 416-417, 44-53.	1.5	17
18	Effects of Si content on Tribo-corrosion behavior of Cr <sub>1-x</sub> Si <sub>x</sub> N coatings prepared via magnetron sputtering. <i>Surface and Coatings Technology</i> , 2018, 356, 11-18.	2.2	8

#	ARTICLE	IF	CITATIONS
19	Three-dimensional display on computer screen free from accommodation-convergence conflict. Optics Communications, 2017, 390, 36-40.	1.0	3
20	Microstructure and Mechanical Properties of Cu-Containing Amorphous Carbon Nanocomposite Thin Films by a Hybrid Deposition Technique. Nanoscience and Nanotechnology Letters, 2017, 9, 438-445.	0.4	0
21	Interdigitated CuS/TiO <sub>2</sub> Nanotube Bulk Heterojunctions Achieved via Ion Exchange. Electrochimica Acta, 2016, 199, 180-186.	2.6	17
22	Towards hard yet self-lubricious CrAlSiN coatings. Journal of Alloys and Compounds, 2015, 618, 132-138.	2.8	23
23	Toward hard yet tough CrAlSiN coatings via compositional grading. Surface and Coatings Technology, 2013, 231, 346-352.	2.2	30
24	Hard Yet Tough Ceramic Coating: Not a Dream Any More—via Nanostructured Multilayering. Nanoscience and Nanotechnology Letters, 2012, 4, 375-377.	0.4	6
25	Effect of fluorine incorporation on long-term stability of magnesium-containing hydroxyapatite coatings. Journal of Materials Science: Materials in Medicine, 2011, 22, 1633-1638.	1.7	13
26	Interfacial study of magnesium-containing fluoridated hydroxyapatite coatings. Thin Solid Films, 2011, 519, 4629-4633.	0.8	19
27	Bias effect on microstructure and mechanical properties of magnetron sputtered nanocrystalline titanium carbide thin films. Thin Solid Films, 2008, 516, 5419-5423.	0.8	91
28	MAGNETRON SPUTTERED HARD AND YET TOUGH NANOCOMPOSITE COATINGS WITH CASE STUDIES: NANOCRYSTALLINE TiN EMBEDDED IN AMORPHOUS SiN <sub>x</sub> . , 2007, , 1-110.		8
29	MAGNETRON SPUTTERED HARD AND YET TOUGH NANOCOMPOSITE COATINGS WITH CASE STUDIES: NANOCRYSTALLINE TiC EMBEDDED IN AMORPHOUS CARBON. , 2007, , 111-165.		2
30	Relationship between bonding structure and mechanical properties of amorphous carbon containing silicon. Diamond and Related Materials, 2007, 16, 1628-1635.	1.8	56
31	Hard yet Tough Nanocomposite Coatings — Present Status and Future Trends. Plasma Processes and Polymers, 2007, 4, 219-228.	1.6	116
32	Toughness measurement of thin films: a critical review. Surface and Coatings Technology, 2005, 198, 74-84.	2.2	322