

# Huseyin Sener Sen

## List of Publications by Year in descending order

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23  
papers

871  
citations

567281  
15  
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642732  
23  
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docs citations

23  
times ranked

1196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional electrospun polymeric nanofibers incorporating geraniol $\alpha$ -cyclodextrin inclusion complexes: High thermal stability and enhanced durability of geraniol. <i>Food Research International</i> , 2014, 62, 424-431.	6.2	131
2	Spontaneous High Piezoelectricity in Poly(vinylidene fluoride) Nanoribbons Produced by Iterative Thermal Size Reduction Technique. <i>ACS Nano</i> , 2014, 8, 9311-9323.	14.6	110
3	Sulfisoxazole/cyclodextrin inclusion complex incorporated in electrospun hydroxypropyl cellulose nanofibers as drug delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 331-338.	5.0	98
4	Molecular entrapment of volatile organic compounds (VOCs) by electrospun cyclodextrin nanofibers. <i>Chemosphere</i> , 2016, 144, 736-744.	8.2	75
5	Microstructural evolution of helium-irradiated 6H $\alpha$ -SiC subjected to different irradiation conditions and annealing temperatures: A multiple characterization study. <i>Acta Materialia</i> , 2019, 181, 160-172.	7.9	70
6	The structural evolution of light-ion implanted 6H-SiC single crystal: Comparison of the effect of helium and hydrogen. <i>Acta Materialia</i> , 2020, 188, 609-622.	7.9	66
7	Monolayers of MoS <sub>2</sub> as an oxidation protective nanocoating material. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	55
8	Synthesis of Colloidal 2D/3D MoS <sub>2</sub> Nanostructures by Pulsed Laser Ablation in an Organic Liquid Environment. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30120-30126.	3.1	34
9	Revealing nanoscale strain mechanisms in ion-irradiated multilayers. <i>Acta Materialia</i> , 2022, 229, 117807.	7.9	31
10	Characterizing heavy ions-irradiated Zr/Nb: Structure and mechanical properties. <i>Materials and Design</i> , 2022, 219, 110732.	7.0	26
11	Analysis of Charge Transfer for in Situ Li Intercalated Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11364-11369.	3.1	25
12	Electrospun nylon 6,6 nanofibers functionalized with cyclodextrins for removal of toluene vapor. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	24
13	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. <i>Inorganic Chemistry</i> , 2019, 58, 14939-14980.	4.0	23
14	Vacancy-interface-helium interaction in Zr-Nb multi-layer system: A first-principles study. <i>Journal of Nuclear Materials</i> , 2019, 518, 11-20.	2.7	21
15	Interphase boundary layer-dominated strain mechanisms in Cu <sup>+</sup> implanted Zr-Nb nanoscale multilayers. <i>Acta Materialia</i> , 2021, 202, 317-330.	7.9	21
16	Blister formation in He-H co-implanted InP: A comprehensive atomistic study. <i>Applied Surface Science</i> , 2021, 552, 149426.	6.1	14
17	Interface-Driven Strain in Heavy Ion-Irradiated Zr/Nb Nanoscale Metallic Multilayers: Validation of Distortion Modeling via Local Strain Mapping. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12777-12796.	8.0	11
18	Thermal behavior of iron in 6H-SiC: Influence of He-induced defects. <i>Scripta Materialia</i> , 2022, 218, 114805.	5.2	11

#	ARTICLE	IF	CITATIONS
19	Toughening mechanisms in V-Si-N coatings. <i>Materials and Design</i> , 2021, 209, 109961.	7.0	10
20	Deformation-Controlled Design of Metallic Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46296-46302.	8.0	5
21	<i>Ab initio</i> Modelling of Plasmons in Metal-semiconductor Bilayer Transition-metal Dichalcogenide Heterostructures. <i>Israel Journal of Chemistry</i> , 2017, 57, 540-546.	2.3	4
22	Synthesis of Phosphorus Included Multiwalled Carbon Nanotubes by Pyrolysis of Sucrose. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24554-24560.	3.1	3
23	Helium migration in Zr-Nb multilayers under electric field. <i>Journal of Nuclear Materials</i> , 2021, 555, 153133.	2.7	3