Huseyin Sener Sen

List of Publications by Year
in descending order

23	871	567281 15	642732 23
papers	citations	h-index	g-index

23	23	23	1196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interface-Driven Strain in Heavy Ion-Irradiated Zr/Nb Nanoscale Metallic Multilayers: Validation of Distortion Modeling via Local Strain Mapping. ACS Applied Materials & Interfaces, 2022, 14, 12777-12796.	8.0	11
2	Revealing nanoscale strain mechanisms in ion-irradiated multilayers. Acta Materialia, 2022, 229, 117807.	7.9	31
3	Characterizing heavy ions-irradiated Zr/Nb: Structure and mechanical properties. Materials and Design, 2022, 219, 110732.	7.0	26
4	Thermal behavior of iron in 6H-SiC: Influence of He-induced defects. Scripta Materialia, 2022, 218, 114805.	5.2	11
5	Interphase boundary layer-dominated strain mechanisms in Cu+ implanted Zr-Nb nanoscale multilayers. Acta Materialia, 2021, 202, 317-330.	7.9	21
6	Blister formation in He-H co-implanted InP: A comprehensive atomistic study. Applied Surface Science, 2021, 552, 149426.	6.1	14
7	Helium migration in Zr-Nb multilayers under electric field. Journal of Nuclear Materials, 2021, 555, 153133.	2.7	3
8	Toughening mechanisms in V-Si-N coatings. Materials and Design, 2021, 209, 109961.	7.0	10
9	The structural evolution of light-ion implanted 6H-SiC single crystal: Comparison of the effect of helium and hydrogen. Acta Materialia, 2020, 188, 609-622.	7.9	66
10	Microstructural evolution of helium-irradiated 6Hâ€“SiC subjected to different irradiation conditions and annealing temperatures: A multiple characterization study. Acta Materialia, 2019, 181, 160-172.	7.9	70
11	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	4.0	23
12	Deformation-Controlled Design of Metallic Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 46296-46302.	8.0	5
13	Vacancy-interface-helium interaction in Zr-Nb multi-layer system: A first-principles study. Journal of Nuclear Materials, 2019, 518, 11-20.	2.7	21
14	Ab initio Modelling of Plasmons in Metalâ€semiconductor Bilayer Transitionâ€metal Dichalcogenide Heterostructures. Israel Journal of Chemistry, 2017, 57, 540-546.	2.3	4
15	Molecular entrapment of volatile organic compounds (VOCs) by electrospun cyclodextrin nanofibers. Chemosphere, 2016, 144, 736-744.	8.2	75
16	Electrospun nylon 6,6 nanofibers functionalized with cyclodextrins for removal of toluene vapor. Journal of Applied Polymer Science, 2015, 132, .	2.6	24
17	Sulfisoxazole/cyclodextrin inclusion complex incorporated in electrospun hydroxypropyl cellulose nanofibers as drug delivery system. Colloids and Surfaces B: Biointerfaces, 2015, 128, 331-338.	5.0	98
18	Monolayers of MoS2 as an oxidation protective nanocoating material. Journal of Applied Physics, 2014, 116, .	2.5	55

#	Article	IF	Citations
19	Synthesis of Colloidal 2D/3D MoS₂ Nanostructures by Pulsed Laser Ablation in an Organic Liquid Environment. Journal of Physical Chemistry C, 2014, 118, 30120-30126.	3.1	34
20	Spontaneous High Piezoelectricity in Poly(vinylidene fluoride) Nanoribbons Produced by Iterative Thermal Size Reduction Technique. ACS Nano, 2014, 8, 9311-9323.	14.6	110
21	Functional electrospun polymeric nanofibers incorporating geraniolâ€“cyclodextrin inclusion complexes: High thermal stability and enhanced durability of geraniol. Food Research International, 2014, 62, 424-431.	6.2	131
22	Synthesis of Phosphorus Included Multiwalled Carbon Nanotubes by Pyrolysis of Sucrose. Journal of Physical Chemistry C, 2013, 117, 24554-24560.	3.1	3
23	Analysis of Charge Transfer for in Situ Li Intercalated Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 11364-11369.	3.1	25