

Ali Kandemir

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

710
citations

758635

12
h-index

713013

21
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21
all docs

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docs citations

21
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Janus single layers of In_2S_3 : A first-principles study. <i>Physical Review B</i> , 2018, 97, .		
2	Thermal transport properties of MoS_2 and MoSe_2 monolayers. <i>Nanotechnology</i> , 2016, 27, 055703.	1.3	108
3	Structural, electronic and phononic properties of PtSe_2 : from monolayer to bulk. <i>Semiconductor Science and Technology</i> , 2018, 33, 085002.	1.0	82
4	Single-Layer Janus-Type Platinum Dichalcogenides and Their Heterostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4549-4557.	1.5	81
5	Bilayers of Janus WSSe: monitoring the stacking type <i>via</i> the vibrational spectrum. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17380-17386.	1.3	56
6	A Life Cycle Engineering Perspective on Biocomposites as a Solution for a Sustainable Recovery. <i>Sustainability</i> , 2021, 13, 1160.	1.6	56
7	Characterisation of Natural Fibres for Sustainable Discontinuous Fibre Composite Materials. <i>Materials</i> , 2020, 13, 2129.	1.3	49
8	Validation of inter-atomic potential for WS ₂ and WSe ₂ crystals through assessment of thermal transport properties. <i>Computational Materials Science</i> , 2018, 144, 92-98.	1.4	36
9	Thermal conductivity engineering of bulk and one-dimensional Si-Ge nanoarchitectures. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 187-196.	2.8	18
10	Increasing solubility of metal silicates by mixed polymeric antiscalants. <i>Geothermics</i> , 2019, 77, 106-114.	1.5	16
11	Monitoring the effect of asymmetrical vertical strain on Janus single layers of MoSSe via vibrational spectrum. <i>Journal of Chemical Physics</i> , 2018, 149, 084707.	1.2	13
12	Monitoring the crystal orientation of black-arsenic via vibrational spectra. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1228-1236.	2.7	13
13	Natural Fibres as a Sustainable Reinforcement Constituent in Aligned Discontinuous Polymer Composites Produced by the HiPerDiF Method. <i>Materials</i> , 2021, 14, 1885.	1.3	12
14	Tailoring thermal conductivity of silicon/germanium nanowires utilizing core-shell architecture. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	10
15	First-principles investigation of titanium doping into $\hat{\Gamma}^2$ -SiAlON crystal in TiN@SiAlON composites for EDM applications. <i>Materials Chemistry and Physics</i> , 2015, 162, 781-786.	2.0	7
16	Thermal Conductivity Suppression in Nanostructured Silicon and Germanium Nanowires. <i>Journal of Electronic Materials</i> , 2016, 45, 1594-1600.	1.0	7
17	Hydrogenation-driven phase transition in single-layer TiSe_2 . <i>Nanotechnology</i> , 2017, 28, 495709.	1.3	6
18	Stability, electronic and phononic properties of $\hat{\Gamma}^2$ and 1T structures of SiTe_x ($x = 1, 2$) and their vertical heterostructures. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 395504.	0.7	6

#	ARTICLE	IF	CITATIONS
19	$\hat{1}\pm$ -Silicene as oxidation-resistant ultra-thin coating material. Beilstein Journal of Nanotechnology, 2017, 8, 1808-1814.	1.5	3
20	Monolayer AsTe ₂ : Stable Robust Metal in 2D, 1D and 0D. ChemPhysChem, 2018, 19, 2176-2182.	1.0	3
21	Adsorption and diffusion characteristics of lithium on hydrogenated $\hat{1}\pm$ - and $\hat{1}^2$ -silicene. Beilstein Journal of Nanotechnology, 2017, 8, 1742-1748.	1.5	1