Celal Yelgel

List of Publications by Year
in descending order

16	617	1163117 8	996975 15
papers	citations	h-index	g-index

16	16	16	1067
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	31.5	245
2	Stacking Domains and Dislocation Networks in Marginally Twisted Bilayers of Transition Metal Dichalcogenides. Physical Review Letters, 2020, 124, 206101.	7.8	100
3	Nano-imaging of intersubband transitions in van der Waals quantum wells. Nature Nanotechnology, 2018, 13, 1035-1041.	31.5	75
4	Structural and electronic properties of MoS2, WS2, and WS2/MoS2 heterostructures encapsulated with hexagonal boron nitride monolayers. Journal of Applied Physics, 2017, 122, .	2.5	49
5	Raman spectroscopy of GaSe and InSe post-transition metal chalcogenides layers. Faraday Discussions, 2021, 227, 163-170.	3.2	43
6	Hybrid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">k</mml:mi><mml:mo>Â·</mml:mo><mml:mi mathvariant="normal">p</mml:mi></mml:mrow></mml:math> tight-binding model for subbands and infrared intersubband optics in few-layer films of transition-metal dichalcogenides: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mm , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:m. Physical Review B, 2018, 98, .	3.2	34
7	Ab initio studies of electronic and optical properties of graphene and grapheneâ€“BN interface. Applied Surface Science, 2012, 258, 8338-8342.	6.1	33
8	Thermoelectric transport behaviours of n-type Mg2 (Si,Sn,Ge) quaternary solid solutions. Journal of Magnesium and Alloys, 2019, 7, 514-521.	11.9	9
9	Electronic Structure of ABC-stacked Multilayer Graphene and Trigonal Warping:A First Principles Calculation. Journal of Physics: Conference Series, 2016, 707, 012022.	0.4	7
10	Structural and electronic properties of multilayer graphene on monolayer hexagonal boron nitride/nickel (111) interface system: A van der Waals density functional study. Journal of Applied Physics, 2016, 119, .	2.5	5
11	First-principles modeling of GaN/MoSe$_{2}$ van der Waals heterobilayer. Turkish Journal of Physics, 2017, 41, 463-468.	1.1	5
12	Tunable electronic properties of van der Waals heterostructures composed of stanene adsorbed on two-dimensional, graphene-like nitrides. Journal of Applied Physics, 2019, 125, 155301.	2.5	5
13	Ab initioinvestigation of the electronic properties of graphene on InAs(111)A. Journal of Physics Condensed Matter, 2012, 24, 485004.	1.8	3
14	Surface termination dependence of electronic and optical properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ti</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:m MXene monolayers. Physical Review Materials, 2022, 6, .	2.4	3
15	Energy Band Gap Modification of Graphene Deposited on a Multilayer Hexagonal Boron Nitride Substrate. Materials Research Society Symposia Proceedings, 2012, 1407, 45.	0.1	1
16	Atomic and Electronic Structure of Multilayer Graphene on a Monolayer Hexagonal Boron Nitride. Materials Research Society Symposia Proceedings, 2013, 1549, 65-70.	0.1	0