

Abdullah Yar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Topological insulator phase transition in 8-Pmmn borophene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 429, 127916.	2.1	4
2	Nonlinear Hall effect in topological insulator Bi ₂ Te ₃ with hexagonal warping. Journal of Applied Physics, 2022, 131, .	2.5	6
3	Quantum chaos dynamics on the surface of topological insulator attached to spiral multiferroic oxide in a magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 387, 127037.	2.1	2
4	Optical radiation induced chaotic dynamics of electrons in a uniform magnetic field. Journal of Physics Condensed Matter, 2020, 32, 095403.	1.8	3
5	Effects of Electric and Magnetic Fields on Zitterbewegung of Electron Wave Packet in Borophene. Journal of the Physical Society of Japan, 2020, 89, 124705.	1.6	9
6	Hybridization effects on persistent currents in rings of topological insulators. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113624.	2.7	3
7	Spin dynamics and persistent currents on a cylindrical surface of topological insulator. Europhysics Letters, 2019, 126, 50003.	2.0	4
8	Chaotic transport of electron wave packet in Weyl semimetal slab. Physical Review E, 2019, 99, 052213.	2.1	7
9	First-principles investigation of the electronic band structures and optical properties of quaternary $A_2B_4MQ_4$ ($A = \text{Rb, Cs}$; $M = \text{P, V}$; and $Q = \text{S}$) metal chalcogenides. International Journal of Modern Physics B, 2018, 32, 1850337.	2.0	0
10	Radiation Effects on Electron Dynamics in Two-Dimensional Electron Systems. , 2018, , .		0
11	Hybridization effects on wave packet dynamics in topological insulator thin films. Journal of Physics Condensed Matter, 2017, 29, 465002.	1.8	10
12	Specific features investigation of the A_2Zn_2 ($A = \text{Ca, Sr, Ba}$) compounds from indirect to direct band gap: DFT study. Materials Science in Semiconductor Processing, 2017, 57, 116-123.	4.0	5
13	Elastic and optoelectronic properties of novel Ag_3AuSe_2 and Ag_3AuTe_2 semiconductors. Materials Science in Semiconductor Processing, 2016, 52, 8-15.	4.0	7
14	Electronic and Optical Properties of Ca_3MN ($M = \text{Ge, Sn, Pb, P, As, Sb and Bi}$) Antiperovskite Compounds. Journal of Electronic Materials, 2016, 45, 4188-4196.	2.2	18
15	Structural, optoelectronic, and thermoelectric properties of AZn_3 ($A = \text{Na, K, Ca, Sr, Ba}$) compounds. International Journal of Modern Physics B, 2016, 30, 1650221.	2.0	3
16	Stacking nature and band gap opening of graphene: Perspective for optoelectronic applications. Solid State Communications, 2016, 246, 54-58.	1.9	9
17	Radiation-assisted magnetotransport in two-dimensional electron gas systems: appearance of zero resistance states. Journal of Physics Condensed Matter, 2015, 27, 435007.	1.8	8