

Ya-Dong Wei

List of Publications by Year in descending order

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45
papers

1,063
citations

394421

19
h-index

414414

32
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45
all docs

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docs citations

45
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
19	Hexagonal layered group IV-VI semiconductors and derivatives: fresh blood of the 2D family. <i>Nanoscale</i> , 2020, 12, 13450-13459.	5.6	20
20	Heat current and spin current through a carbon-nanotube-based molecular quantum pump. <i>Physical Review B</i> , 2004, 70, .	3.2	18
21	Highly Tunable Electronic Structures of Phosphorene/Carbon Nanotube Heterostructures through External Electric Field and Atomic Intercalation. <i>Nano Letters</i> , 2017, 17, 7995-8004.	9.1	15
22	Spin-resolved quantum transport in graphene-based nanojunctions. <i>Frontiers of Physics</i> , 2017, 12, 1.	5.0	14
23	Two-dimensional few-layered PC ₃ as a promising photocatalyst for overall water splitting. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9477-9486.	2.8	12
24	Dissipative dynamics in a tunable Rabi dimer with periodic harmonic driving. <i>Journal of Chemical Physics</i> , 2019, 150, 184116.	3.0	11
25	Gate controlled electronic transport in monolayer MoS ₂ field effect transistor. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	10
26	Tunable electronic properties and band alignments of InAs-arsenene heterostructures via external strain and electric field. <i>New Journal of Chemistry</i> , 2021, 45, 2508-2519.	2.8	10
27	Promises of Main-Group Metal Chalcogenide-Based Broken-Gap van der Waals Heterojunctions for Tunneling Field Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 898-904.	4.3	9
28	Optical, Electronic, and Contact Properties of Janus-MoSO/MoS ₂ Heterojunction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15988-15994.	3.1	8
29	Engineering Photon Delocalization in a Rabi Dimer with a Dissipative Bath. <i>Annalen Der Physik</i> , 2018, 530, 1800351.	2.4	7
30	Size dependence in two-dimensional lateral heterostructures of transition metal dichalcogenides. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3837-3842.	5.5	7
31	Transport induced dimer state from topological corner states. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	7
32	Strain-gated nonlinear Hall effect in two-dimensional MoSe_2 van der Waals heterostructure. <i>Physical Review B</i> , 2021, 104, .	5.0	7
33	First-principles calculation of the Andreev conductance of carbon wires. <i>Physical Review B</i> , 2012, 86, .	3.2	6
34	Full counting statistics of conductance for disordered systems. <i>Physical Review B</i> , 2017, 96, .	3.2	6
35	Modulating Blue Phosphorene by Synergetic Codoping: Indirect to Direct Gap Transition and Strong Bandgap Bowing. <i>Advanced Functional Materials</i> , 2019, 29, 1808721.	14.9	6
36	Unveiling the layer-dependent electronic properties in transition-metal dichalcogenide heterostructures assisted by machine learning. <i>Nanoscale</i> , 2022, 14, 2511-2520.	5.6	6

#	ARTICLE	IF	CITATIONS
37	Toward barrier free contact to MoSe ₂ /WSe ₂ heterojunctions using two-dimensional metal electrodes. <i>Nanotechnology</i> , 2019, 30, 015707.	2.6	5
38	Electronic and Magnetic Diversity of Graphone/Graphene Superlattices. <i>Chemistry of Materials</i> , 2021, 33, 2090-2098.	6.7	5
39	Transport features of topological corner states in honeycomb lattice with multihollow structure. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	5
40	NONLINEAR THERMOELECTRIC TRANSPORT THROUGH A DOUBLE BARRIER STRUCTURE. <i>Modern Physics Letters B</i> , 2006, 20, 215-223.	1.9	3
41	Noncollinear frustrated antiferromagnetic Mn ₃ P monolayer and its tunability via a spin degree of freedom. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11369-11375.	5.5	3
42	Frequency-dependent transport properties in disordered systems: A generalized coherent potential approximation approach. <i>Physical Review B</i> , 2019, 99, .	3.2	2
43	Dynamic response of silicon nanostructures at finite frequency: An orbital-free density functional theory and non-equilibrium Green's function study. <i>Journal of Applied Physics</i> , 2013, 114, 153703.	2.5	1
44	Statistical analysis for current fluctuations in a disordered quantum pump. <i>Physical Review B</i> , 2007, 76, .	3.2	0
45	Multi-energy X-ray CT and data-constrained modeling of shale 3D microstructure. <i>Materialprüfung/Materials Testing</i> , 2022, 64, 105-115.	2.2	0