

Haixia Da

List of Publications by Year in descending order

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25
papers

575
citations

933447

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642732

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all docs

25
docs citations

25
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric performance of MX ₂ (M=Mo,W; X=S,Se) monolayers. Journal of Applied Physics, 2013, 113, .	2.5	202
2	Graphene-based photonic crystal to steer giant Faraday rotation. Applied Physics Letters, 2012, 100, .	3.3	47
3	Monolayer graphene photonic metastructures: Giant Faraday rotation and nearly perfect transmission. Physical Review B, 2013, 88, .	3.2	46
4	Unveiling the Electric-Current-Limiting and Photodetection Effect in Two-Dimensional Hydrogenated Borophene. Physical Review Applied, 2019, 11, .	3.8	45
5	Photonic Microcavity-Enhanced Magnetic Plasmon Resonance of Metamaterials for Sensing Applications. IEEE Photonics Technology Letters, 2019, 31, 113-116.	2.5	42
6	Enhanced Faraday rotation in magnetophotonic crystal infiltrated with graphene. Applied Physics Letters, 2011, 98, .	3.3	36
7	Controlling photonic spin Hall effect in graphene-dielectric structure by optical pumping. New Journal of Physics, 2020, 22, 113007.	2.9	34
8	Transition-Metal-Atom-Embedded Graphene and Its Spintronic Device Applications. Journal of Physical Chemistry C, 2011, 115, 22701-22706.	3.1	24
9	Nonreciprocal Giant Magneto-Optic Effects in Transition-Metal Dichalcogenides without Magnetic Field. Journal of Physical Chemistry Letters, 2017, 8, 3805-3812.	4.6	15
10	Broadband and perfect absorption of monolayer MoS ₂ with Octonacci quasi-photonic crystal. Physica B: Condensed Matter, 2021, 604, 412684.	2.7	14
11	Perfect absorption in transition metal dichalcogenides-based dielectric grating. Journal Physics D: Applied Physics, 2018, 51, 375105.	2.8	10
12	Nonreciprocal photonic spin Hall effect of magnetic Weyl semimetals. Applied Physics Letters, 2021, 119, .	3.3	10
13	Magneto-optical manifestation of bilayer silicene. Applied Physics Letters, 2017, 110, 141105.	3.3	9
14	Control of spin and valley Hall effects in monolayer transition metal dichalcogenides by magnetic proximity effect. Journal of Applied Physics, 2020, 127, 023903.	2.5	8
15	Graphene Nanoribbon Tunneling Field-Effect Transistors With a Semiconducting and a Semimetallic Heterojunction Channel. IEEE Transactions on Electron Devices, 2012, 59, 1454-1461.	3.0	7
16	Spin Hall effect of transmitted light for graphene-silica aerogel photonic crystal in terahertz region. Optics Communications, 2021, 485, 126744.	2.1	7
17	Tunable and enhanced photonic spin Hall effect of a superconductor film. Optics Communications, 2021, 499, 127275.	2.1	6
18	Cavity-Induced Enhancement of Magneto-Optic Effects in Monolayer Transition Metal Dichalcogenides. Advanced Optical Materials, 2018, 6, 1701175.	7.3	5

#	ARTICLE	IF	CITATIONS
19	Electrically controllable magneto-optic effects in a two-dimensional hexagonal organometallic lattice. <i>Physical Review B</i> , 2020, 101, .	3.2	2
20	Enhanced Faraday rotation in proximitized monolayer transition metal dichalcogenides. <i>Nanotechnology</i> , 2020, 31, 465202.	2.6	2
21	Photonic spin Hall effect in symmetrical structure containing Dirac semimetal materials. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 385103.	2.8	2
22	Magneto-optic effects of monolayer transition metal dichalcogenides induced by Rashba spin-orbit coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 521, 167511.	2.3	1
23	Magneto-optic effects of monolayer transition metal dichalcogenides induced by ferrimagnetic proximity effect. <i>Physica B: Condensed Matter</i> , 2022, 640, 414073.	2.7	1
24	A computational study on the device performance of graphene nanoribbon heterojunction tunneling FETs based on bandgap engineering. , 2010, , .		0
25	Source/drain doping influence on heterojunction graphene nanoribbon tunneling field effect transistors. , 2011, , .		0