

Chaoyu Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2351814/publications.pdf>

Version: 2024-02-01

24
papers

1,368
citations

471371

17
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2386
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Ambipolar Polarization-Sensitive Photodetectors Based on High-Anisotropy ReSe ₂ Nanosheets. ACS Nano, 2016, 10, 8067-8077.	7.3	276
2	Infrared fingerprints of few-layer black phosphorus. Nature Communications, 2017, 8, 14071.	5.8	228
3	Graphene plasmonics: physics and potential applications. Nanophotonics, 2016, 6, 1191-1204.	2.9	100
4	Strain-tunable van der Waals interactions in few-layer black phosphorus. Nature Communications, 2019, 10, 2447.	5.8	98
5	Largely Tunable Band Structures of Few-Layer InSe by Uniaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 3994-4000.	4.0	84
6	Van der Waals thin films of WTe ₂ for natural hyperbolic plasmonic surfaces. Nature Communications, 2020, 11, 1158.	5.8	81
7	Ultra-fast single-crystal polymerization of large-sized covalent organic frameworks. Nature Communications, 2021, 12, 5077.	5.8	63
8	Observation of quasi-two-dimensional Dirac fermions in ZrTe ₅ . NPC Asia Materials, 2016, 8, e325-e325.	3.8	51
9	HgCdTe/black phosphorus van der Waals heterojunction for high-performance polarization-sensitive midwave infrared photodetector. Science Advances, 2022, 8, eabn1811.	4.7	50
10	The optical conductivity of few-layer black phosphorus by infrared spectroscopy. Nature Communications, 2020, 11, 1847.	5.8	40
11	The discovery of dynamic chiral anomaly in a Weyl semimetal NbAs. Nature Communications, 2020, 11, 1259.	5.8	38
12	Chiral Landau levels in Weyl semimetal NbAs with multiple topological carriers. Nature Communications, 2018, 9, 1854.	5.8	37
13	Prediction of hyperbolic exciton-polaritons in monolayer black phosphorus. Nature Communications, 2021, 12, 5628.	5.8	33
14	Drastic enhancement of the Raman intensity in few-layer InSe by uniaxial strain. Physical Review B, 2019, 99, .	1.1	28
15	From Anomalous to Normal: Temperature Dependence of the Band Gap in Two-Dimensional Black Phosphorus. Physical Review Letters, 2020, 125, 156802.	2.9	23
16	The optical properties of few-layer InSe. Journal of Applied Physics, 2020, 128, .	1.1	23
17	Tunable Plasmons in Large-Area WTe_2 Thin Films. Physical Review Applied, 2021, 15, .	1.5	20
18	Plasmons in the van der Waals charge-density-wave material 2H-TaSe ₂ . Nature Communications, 2021, 12, 386.	5.8	19

#	ARTICLE	IF	CITATIONS
19	Electronic structures of air-exposed few-layer black phosphorus by optical spectroscopy. <i>Physical Review B</i> , 2019, 99, .	1.1	17
20	Layer-Dependent Pressure Effect on the Electronic Structure of 2D Black Phosphorus. <i>Physical Review Letters</i> , 2021, 127, 186401.	2.9	17
21	Tunable Graphene Split-Ring Resonators. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
22	Ultra-Fast Synthesis of Single-Crystalline Three-Dimensional Covalent Organic Frameworks and Their Applications in Polarized Optics. <i>Chemistry of Materials</i> , 2022, 34, 2886-2895.	3.2	12
23	Highly Efficient Charge Collection in Bulk-Heterojunction Organic Solar Cells by Anomalous Hole Transfer and Improved Interfacial Contact. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28256-28261.	4.0	8
24	Tunable Terahertz Plasmons in Graphite Thin Films. <i>Physical Review Letters</i> , 2021, 126, 147401.	2.9	6