

# Chaoyu Song

## List of Publications by Year in descending order

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

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24  
papers

1,368  
citations

471371

17  
h-index

610775

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g-index

24  
all docs

24  
docs citations

24  
times ranked

2386  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	HgCdTe/black phosphorus van der Waals heterojunction for high-performance polarization-sensitive midwave infrared photodetector. <i>Science Advances</i> , 2022, 8, eabn1811.	4.7	50
3	Plasmons in the van der Waals charge-density-wave material 2H-TaSe <sub>2</sub> . <i>Nature Communications</i> , 2021, 12, 386.	5.8	19
4	Tunable Plasmons in Large-Area $WTe_2$ Thin Films. <i>Physical Review Applied</i> , 2021, 15, .	1.5	20
5	Tunable Terahertz Plasmons in Graphite Thin Films. <i>Physical Review Letters</i> , 2021, 126, 147401.	2.9	6
6	Ultra-fast single-crystal polymerization of large-sized covalent organic frameworks. <i>Nature Communications</i> , 2021, 12, 5077.	5.8	63
7	Prediction of hyperbolic exciton-polaritons in monolayer black phosphorus. <i>Nature Communications</i> , 2021, 12, 5628.	5.8	33
8	Layer-Dependent Pressure Effect on the Electronic Structure of 2D Black Phosphorus. <i>Physical Review Letters</i> , 2021, 127, 186401.	2.9	17
9	From Anomalous to Normal: Temperature Dependence of the Band Gap in Two-Dimensional Black Phosphorus. <i>Physical Review Letters</i> , 2020, 125, 156802.	2.9	23
10	The optical properties of few-layer InSe. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	23
11	The discovery of dynamic chiral anomaly in a Weyl semimetal NbAs. <i>Nature Communications</i> , 2020, 11, 1259.	5.8	38
12	Van der Waals thin films of WTe <sub>2</sub> for natural hyperbolic plasmonic surfaces. <i>Nature Communications</i> , 2020, 11, 1158.	5.8	81
13	Tunable Graphene Split-Ring Resonators. <i>Physical Review Applied</i> , 2020, 13, .	1.5	16
14	The optical conductivity of few-layer black phosphorus by infrared spectroscopy. <i>Nature Communications</i> , 2020, 11, 1847.	5.8	40
15	Strain-tunable van der Waals interactions in few-layer black phosphorus. <i>Nature Communications</i> , 2019, 10, 2447.	5.8	98
16	Drastic enhancement of the Raman intensity in few-layer InSe by uniaxial strain. <i>Physical Review B</i> , 2019, 99, .	1.1	28
17	Electronic structures of air-exposed few-layer black phosphorus by optical spectroscopy. <i>Physical Review B</i> , 2019, 99, .	1.1	17
18	Largely Tunable Band Structures of Few-Layer InSe by Uniaxial Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3994-4000.	4.0	84

#	ARTICLE	IF	CITATIONS
19	Chiral Landau levels in Weyl semimetal NbAs with multiple topological carriers. Nature Communications, 2018, 9, 1854.	5.8	37
20	Highly Efficient Charge Collection in Bulk-Heterojunction Organic Solar Cells by Anomalous Hole Transfer and Improved Interfacial Contact. ACS Applied Materials & Interfaces, 2018, 10, 28256-28261.	4.0	8
21	Infrared fingerprints of few-layer black phosphorus. Nature Communications, 2017, 8, 14071.	5.8	228
22	Tunable Ambipolar Polarization-Sensitive Photodetectors Based on High-Anisotropy ReSe <sub>2</sub> Nanosheets. ACS Nano, 2016, 10, 8067-8077.	7.3	276
23	Observation of quasi-two-dimensional Dirac fermions in ZrTe <sub>5</sub> . NPC Asia Materials, 2016, 8, e325-e325.	3.8	51
24	Graphene plasmonics: physics and potential applications. Nanophotonics, 2016, 6, 1191-1204.	2.9	100