

Zhipeng Li

List of Publications by Year in descending order

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papers

1,517
citations

257357

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docs citations

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times ranked

1891
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the biexciton and trion-exciton complexes in BN encapsulated WSe ₂ . Nature Communications, 2018, 9, 3719.	5.8	175
2	Correlated insulating states at fractional fillings of the WS ₂ /WSe ₂ moiré lattice. Nature Physics, 2021, 17, 715-719.	6.5	157
3	Emerging photoluminescence from the dark-exciton phonon replica in monolayer WSe ₂ . Nature Communications, 2019, 10, 2469.	5.8	102
4	Enhanced Osseointegration of Titanium Alloy Implants with Laser Microgrooved Surfaces and Graphene Oxide Coating. ACS Applied Materials & Interfaces, 2019, 11, 39470-39483.	4.0	82
5	Tribological performances of highly dispersed graphene oxide derivatives in vegetable oil. Tribology International, 2018, 126, 39-48.	3.0	79
6	Giant Valley-Zeeman Splitting from Spin-Singlet and Spin-Triplet Interlayer Excitons in WSe ₂ /MoSe ₂ Heterostructure. Nano Letters, 2020, 20, 694-700.	4.5	70
7	Momentum-Dark Intervalley Exciton in Monolayer Tungsten Diselenide Brightened <i>via</i> Chiral Phonon. ACS Nano, 2019, 13, 14107-14113.	7.3	63
8	Direct Observation of Gate-Tunable Dark Trions in Monolayer WSe ₂ . Nano Letters, 2019, 19, 6886-6893.	4.5	60
9	Increasing the power output of a CdTe solar cell via luminescent down shifting molecules with intramolecular charge transfer and aggregation-induced emission characteristics. Energy and Environmental Science, 2013, 6, 2907.	15.6	51
10	Tribological behavior of Ti-6Al-4V against cortical bone in different biolubricants. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 460-471.	1.5	48
11	Electrochemical corrosion and anisotropic tribological properties of bioinspired hierarchical morphologies on Ti-6Al-4V fabricated by laser texturing. Tribology International, 2019, 134, 352-364.	3.0	41
12	Enhanced anticorrosion and antiwear properties of Ti-6Al-4V alloys with laser texture and graphene oxide coatings. Tribology International, 2020, 152, 106475.	3.0	40
13	Hydrolytic stability and tribological properties of N-containing heterocyclic borate esters as lubricant additives in rapeseed oil. Tribology International, 2014, 73, 101-107.	3.0	38
14	Electrical switching between exciton dissociation to exciton funneling in MoSe ₂ /WS ₂ heterostructure. Nature Communications, 2020, 11, 2640.	5.8	38
15	Tribological Study of Oil-Miscible Quaternary Ammonium Phosphites Ionic Liquids as Lubricant Additives in PAO. Tribology Letters, 2015, 60, 1.	1.2	37
16	Enhanced Light Emission from the Ridge of Two-Dimensional InSe Flakes. Nano Letters, 2018, 18, 5078-5084.	4.5	35
17	Tribological study of a highly hydrolytically stable phenylboronic acid ester containing benzothiazoyl in mineral oil. Applied Surface Science, 2014, 308, 91-99.	3.1	34
18	Rational design of tetraphenylethylene-based luminescent down-shifting molecules: photophysical studies and photovoltaic applications in a CdTe solar cell from small to large units. Physical Chemistry Chemical Physics, 2014, 16, 26193-26202.	1.3	33

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19	The Tribological Chemistry of a Novel Borate Ester Additive and Its Interaction with ZDDP Using XANES and XPS. <i>Tribology Letters</i> , 2014, 53, 533-542.	1.2	33
20	Synergistic effects between alkylphosphate-ammonium ionic liquid and alkylphenylborate as lubricant additives in rapeseed oil. <i>Tribology International</i> , 2017, 109, 373-381.	3.0	33
21	Friction stability and cellular behaviors on laser textured Ti-6Al-4V alloy implants with bioinspired micro-overlapping structures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 109, 103823.	1.5	29
22	Microtribological properties of Ti 6Al 4V alloy treated with self-assembled dopamine and graphene oxide coatings. <i>Tribology International</i> , 2019, 137, 46-58.	3.0	28
23	Fine structures of valley-polarized excitonic states in monolayer transitional metal dichalcogenides. <i>Nanophotonics</i> , 2020, 9, 1811-1829.	2.9	27
24	Tribological study of hydrolytically stable S-containing alkyl phenylboric esters as lubricant additives. <i>RSC Advances</i> , 2014, 4, 25118-25126.	1.7	26
25	Synthetic Engineering of Morphology and Electronic Band Gap in Lateral Heterostructures of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2020, 14, 6323-6330.	7.3	24
26	Excitonic Complexes and Emerging Interlayer Electron-Phonon Coupling in BN Encapsulated Monolayer Semiconductor Alloy: WS _{0.6} Se _{1.4} . <i>Nano Letters</i> , 2019, 19, 299-307.	4.5	20
27	Observation of Quantized Exciton Energies in Monolayer WSe_2 under a Strong Magnetic Field. <i>Physical Review X</i> , 2020, 10, .	2.8	20
28	Communicating Two States in Perovskite Revealed by Time-Resolved Photoluminescence Spectroscopy. <i>Scientific Reports</i> , 2018, 8, 16482.	1.6	18
29	Giant Valley-Polarized Rydberg Excitons in Monolayer WSe_2 Revealed by Magneto-photocurrent Spectroscopy. <i>Nano Letters</i> , 2020, 20, 7635-7641.	4.5	16
30	Phonon-exciton Interactions in WSe_2 under a quantizing magnetic field. <i>Nature Communications</i> , 2020, 11, 3104.	5.8	15
31	Tribological behavior of a novel organic molybdenum containing mercaptotriazine as a multifunctional environmentally friendly additive. <i>Tribology International</i> , 2021, 159, 106988.	3.0	9
32	Synergistic effects between sulfur- and phosphorus-free organic molybdenums and ZDDP as lubricating additives in PAO 6. <i>Tribology International</i> , 2022, 165, 107324.	3.0	8
33	Tribological studies of highly hydrolytically stable N-containing long chain alkyl phenylborate esters in mineral oil. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 770-779.	1.0	7
34	Tribological behavior of a novel organic molybdenum containing dimercaptothiadiazole as a multifunctional additive in biodegradable base oil. <i>Materials and Design</i> , 2021, 206, 109823.	3.3	7
35	The tribological performance of a long chain alkyl phenylboric ammonium derivative and its interaction with ZDDP. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2016, 230, 367-375.	1.0	5
36	Synthesis and Tribological Behavior of Bridged Bicyclic Polymers as Lubricants. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20730-20739.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Data set for determination of lubrication film thickness and lubrication state between bone and Tiâ€“6Alâ€“4V interface under three biolubrications. Data in Brief, 2019, 24, 103467.	0.5	0