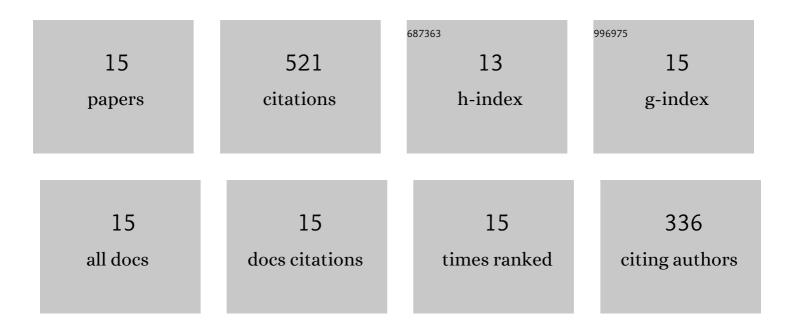
Weiwei Tang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Tribological performance of various metal-doped carbon dots as water-based lubricant additives and their potential application as additives of poly(ethylene glycol). Friction, 2022, 10, 688-705.	6.4	26
2	A molecular dynamics study on the synergistic lubrication mechanisms of graphene/water-based lubricant systems. Tribology International, 2022, 167, 107356.	5.9	34
3	Black phosphorus quantum dots: A new-type of water-based high-efficiency lubricant additive. Friction, 2021, 9, 1528-1542.	6.4	24
4	Tribological properties of a series of carbon dots modified by ionic liquids with various anion species: experimental findings and density functional theory calculations. Dalton Transactions, 2021, 50, 9185-9197.	3.3	22
5	Applications of carbon quantum dots in lubricant additives: a review. Journal of Materials Science, 2021, 56, 12061-12092.	3.7	36
6	The distinguished long-term friction reduction and anti-wear functions of amphipathic carbon dots originated from lauryl gallate. Materials Today Communications, 2021, 29, 102881.	1.9	3
7	Tertiary Amine-Terminated Carbon Dots with Reversible CO ₂ Switchable Amphiphilicity as the Versatile Lubricant Additives. ACS Sustainable Chemistry and Engineering, 2021, 9, 16829-16839.	6.7	19
8	Deformation mechanisms of Si-doped diamond-like carbon films under uniaxial tension conditions. Diamond and Related Materials, 2020, 110, 108099.	3.9	6
9	Facile pyrolysis synthesis of ionic liquid capped carbon dots and subsequent application as the water-based lubricant additives. Journal of Materials Science, 2019, 54, 1171-1183.	3.7	74
10	Synthesis of ionic liquid functionalized graphene oxides and their tribological property under water lubrication. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 175-183.	2.1	19
11	Oleylamine-modified carbon nanoparticles as a kind of efficient lubricating additive of polyalphaolefin. Journal of Materials Science, 2017, 52, 4483-4492.	3.7	22
12	Synthesis of ionic liquid decorated muti-walled carbon nanotubes as the favorable water-based lubricant additives. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	27
13	Remarkable Lubricating Effect of Ionic Liquid Modified Carbon Dots as a Kind of Water-Based Lubricant Additives. Nano, 2017, 12, 1750108.	1.0	14
14	Ionic liquid capped carbon dots as a high-performance friction-reducing and antiwear additive for poly(ethylene glycol). Journal of Materials Chemistry A, 2016, 4, 7257-7265.	10.3	131
15	Hydrothermal synthesis of ionic liquid-capped carbon quantum dots with high thermal stability and anion responsiveness. Journal of Materials Science, 2015, 50, 5411-5418.	3.7	64