Yunqing Tang

List of Publications by Citations

61	416	13	17
papers	citations	h-index	g-index

65	623	3.3	4.41
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	Study on optical properties of alkali metal doped g-C3N4 and their photocatalytic activity for reduction of CO2. *Chemical Physics Letters*, **2020**, 751, 137467	2.5	31
60	Numerical investigation on thermal conductivity and thermal rectification in graphene through nitrogen-doping engineering. *Applied Physics A: Materials Science and Processing*, **2013**, 112, 759-765	2.6	23
59	Thermal conductivity of graphene nanoribbons with defects and nitrogen doping. *Reactive and Functional Polymers*, **2014**, 79, 29-35	4.6	21
58	Investigation on electronic and magnetic properties of Co and Mn in ZnO with different doping types. *Journal of Magnetism and Magnetic Materials*, **2018**, 461, 1-5	2.8	18
57	Investigation on field emission properties of graphdiyneBN composite. *Journal of Molecular Structure*, **2014**, 1064, 32-36	3.4	18
56	Thermal management performance of bent graphene nanoribbons. *RSC Advances*, **2013**, 3, 17349	3.7	18
55	Tunable thermal property in edge hydrogenated AA-stacked bilayer graphene nanoribbons. *Applied Surface Science*, **2016**, 362, 86-92	6.7	17
54	Optoelectronic performances on different structures of Al-doped ZnO. *Journal of the American Ceramic Society*, **2018**, 101, 5615-5626	3.8	17
53	Influence of doped nitrogen and vacancy defects on the thermal conductivity of graphene nanoribbons. *Journal of Molecular Modeling*, **2013**, 19, 4781-8	2	16
52	Investigation on the contact between graphdiyne and Cu (111) surface. *Carbon*, **2017**, 117, 246-251	10.4	15
51	Thermal Effects on LED Lamp With Different Thermal Interface Materials. *IEEE Transactions on Electron Devices*, **2016**, 63, 4819-4824	2.9	15
50	Preparation of noble metal Ag-modified BiVO4 nanosheets and a study on the degradation performance of tetracyclines. *New Journal of Chemistry*, **2020**, 44, 13815-13823	3.6	14
49	. *IEEE Transactions on Reliability*, **2013**, 62, 870-875	4.6	13
48	Theoretical investigations of spsp2 hybridized capped graphyne nanotubes. *Chemical Engineering Science*, **2015**, 134, 217-221	4.4	12
47	Factors influencing thermal transport across graphene/metal interfaces with van der Waals interactions. *Nanoscale*, **2019**, 11, 14155-14163	7.7	12
46	Sulfur-doped g-C3N4 for efficient photocatalytic CO2 reduction: insights by experiment and first-principles calculations. *Catalysis Science and Technology*, **2021**, 11, 1725-1736	5.5	12
45	Approach using the electrical structure and optical properties of aluminium-doped zinc oxide for solar cells. *RSC Advances*, **2016**, 6, 110943-110950	3.7	9

44	Study on interfacial interaction between Si and ZnO. *Ceramics International*, **2019**, 45, 21894-21899	5.1	9
43	Nano-tribological behavior of high-entropy alloys CrMnFeCoNi and CrFeCoNi under different conditions: A molecular dynamics study. *Wear*, **2021**, 476, 203583	3.5	9
42	Structure and interfacial properties investigation for ZnO/graphene interface. *Materials Chemistry and Physics*, **2019**, 229, 1-5	4.4	8
41	Tailoring M7C3 carbide via electron work function-guided modification. *Scripta Materialia*, **2021**, 190, 168-173	5.6	8
40	Fabrication of corncob-derived biomass charcoal decorated g-C3N4 photocatalysts for removing 2-mercaptobenzothiazole. *New Journal of Chemistry*, **2020**, 44, 15908-15918	3.6	7
39	Optoelectronic properties of AZO/ZnO bilayer. *Journal of Alloys and Compounds*, **2020**, 816, 152531	5.7	7
38	Construction of a rod-like Bi2O4 modified porous g-C3N4 nanosheets heterojunction photocatalyst for the degradation of tetracycline. *New Journal of Chemistry*, **2020**, 44, 9725-9735	3.6	5
37	An exploratory review on some inorganic materials and structure of solar cells. *International Journal of Materials and Structural Integrity*, **2017**, 11, 62	0.3	5
36	Computation of thermal properties of a copper–copper nano interface structure using a MD–SEE–E method. *International Journal of Heat and Mass Transfer*, **2014**, 78, 45-49	4.9	5
35	Effect of forming factors on surface temperature and residual deformation of the plate in line heating. *International Journal of Materials and Structural Integrity*, **2013**, 7, 171	0.3	5
34	Fabrication of a Z-scheme MoS2/CuO heterojunction for enhanced 2-mercaptobenzothiazole degradation activity and mechanism insight. *New Journal of Chemistry*, **2020**, 44, 18264-18273	3.6	5
33	(W1-x,Mx)C carbides with desired combinations of compatible density and properties – A first-principles study. *Journal of the American Ceramic Society*, **2021**, 104, 4239-4256	3.8	5
32	Study on photoelectric properties of Si supported ZnO. *Journal of Alloys and Compounds*, **2020**, 843, 155909	5.7	4
31	First-principles studies on phase stability, anisotropic elastic and electronic properties of Al-La binary system intermetallic compounds. *Materials Today Communications*, **2020**, 24, 101101	2.5	4
30	An atomic-continuum multiscale modeling approach for interfacial thermal behavior between materials. *Applied Mathematical Modelling*, **2014**, 38, 3373-3379	4.5	4
29	Numerical investigation on mechanical properties of graphene covering silicon nanofilms. *Computational Materials Science*, **2017**, 126, 321-325	3.2	4
28	The Effect of Phonon and Electron on Thermal Characteristics of Cu/Al Interface. *Current Nanoscience*, **2013**, 9, 747-752	1.4	4
27	Insight into the Effect of the Cl 3p Orbital on g-C3N4 Mimicking Photosynthesis under CO2 Reduction. *Journal of Physical Chemistry C*, **2021**, 125, 9646-9656	3.8	4

26	Construction of a CsPbBr3 modified porous g-C3N4 photocatalyst for effective reduction of CO2 and mechanism exploration. *New Journal of Chemistry*, **2021**, 45, 1082-1091	3.6	4
25	Contribution of cold-work to the wear resistance of materials and its limitation：A study combining molecular dynamics modeling and experimental investigation. *Wear*, **2021**, 476, 203642	3.5	4
24	Designing high-entropy ceramics via incorporation of the bond-mechanical behavior correlation with the machine-learning methodology. *Cell Reports Physical Science*, **2021**, 2, 100640	6.1	3
23	Electron work function: an indicative parameter towards a novel material design methodology. *Scientific Reports*, **2021**, 11, 11565	4.9	3
22	Preparation and performance of a solid-state thin-film Ag/AgCl quasi-reference electrode modified by chitosan-graphene. *Materials Technology*, **2021**, 36, 63-71	2.1	3
21	Property approach of Si based ZnO films under thermal shock. *Ceramics International*, **2021**, 47, 28985-28991	5.2	3
20	Effect of the Growth Parameters on Nonlinear Optical Properties of Al-Doped ZnO Nano Films. *International Journal of Applied Ceramic Technology*, **2015**, 12, 399-402	2	2
19	Numerical study on optoelectronic properties of alkaline-earth metal doped g-C3N4. *Chemical Physics*, **2021**, 544, 111104	2.3	2
18	Thermal transport enhancement resolution for graphene/Si and graphene/SiC interfaces. *International Journal of Thermal Sciences*, **2022**, 171, 107231	4.1	2
17	A review on design of interface structure in micro/nano manufacturing. *International Journal of Materials and Structural Integrity*, **2016**, 10, 23	0.3	1
16	Interfacial heat transfer properties of the typical interconnection structures in IC packaging: a multiscale study. *International Journal of Materials and Structural Integrity*, **2014**, 8, 110	0.3	1
15	Experimental and numerical approach on interfacial properties of W/Al bilayer films for electronic devices manufacturing. *Composite Interfaces*, **2014**, 21, 507-520	2.3	1
14	Microstructure–electron work function relationship: A crucial step towards electronic metallurgy. *Materials Today Communications*, **2021**, 26, 101977	2.5	1
13	Study on photoelectric properties of Fe-Co codoped g-C3N4. *Chemical Physics Letters*, **2021**, 781, 138951	2.5	1
12	Study on photoelectric properties of Al-Eu codoped ZnO. *Journal of Alloys and Compounds*, **2021**, 882, 160606	5.7	1
11	Numerical simulation of thermal properties at Cu/Al interfaces based on hybrid model. *Engineering Computations*, **2015**, 32, 574-584	1.4	0
10	Achieving optical phosphine sensitive h-BN nanosheets through transition metal doping. *Applied Surface Science*, **2022**, 585, 152700	6.7	0
9	Promoting in situ formation of core-shell structured carbides in high-Cr cast irons by boron addition. *Journal of the American Ceramic Society*, **2021**, 104, 4891-4901	3.8	0

8	An approach for hydrophobic fixed abrasive pad based on layer-by-layer method. *Microelectronic Engineering*, **2021**, 238, 111505	2.5	0
7	Improving the Performance of All-solid-stated Planar pH Sensor with Heat Treated Process. *IEEE Sensors Journal*, **2022**, 1-1	4	0
6	DFT investigation of physical properties and electronic structure of metastable cubic CrC partially substituted with transitional metals. *Journal of Applied Physics*, **2022**, 131, 085108	2.5	0
5	Mechanical characteristics approach on W/Cr nano-interface structure. *Composite Interfaces*, **2016**, 23, 549-556	2.3	
4	Experimental investigation on the growth rate of Cu nano-thin films by DC and RF magnetron sputtering methods. *International Journal of Materials and Structural Integrity*, **2014**, 8, 303	0.3	
3	Test investigation on interfacial characteristics of Cr/Al nanofilms structure. *Composite Interfaces*, **2013**, 20, 603-609	2.3	
2	Investigation on the electronic and optical properties of Al-doped ZnO nanostructures. *International Journal of Materials and Structural Integrity*, **2013**, 7, 251	0.3	
1	A Simple Surface Treatment for Mg to Gain Enhanced Resistance to Corrosion and Corrosive Wear by Hammering Al Powder-Covered Mg Substrate. *Advanced Materials Interfaces*,2200087	4.6	