

Yunqing Tang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61

papers

416

citations

13

h-index

17

g-index

65

ext. papers

623

ext. citations

3.3

avg, IF

4.41

L-index

#	Paper	IF	Citations
61	Achieving optical phosphine sensitive h-BN nanosheets through transition metal doping. <i>Applied Surface Science</i> , 2022 , 585, 152700	6.7	0
60	Thermal transport enhancement resolution for graphene/Si and graphene/SiC interfaces. <i>International Journal of Thermal Sciences</i> , 2022 , 171, 107231	4.1	2
59	Improving the Performance of All-solid-stated Planar pH Sensor with Heat Treated Process. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
58	DFT investigation of physical properties and electronic structure of metastable cubic CrC partially substituted with transitional metals. <i>Journal of Applied Physics</i> , 2022 , 131, 085108	2.5	0
57	Designing high-entropy ceramics via incorporation of the bond-mechanical behavior correlation with the machine-learning methodology. <i>Cell Reports Physical Science</i> , 2021 , 2, 100640	6.1	3
56	Insight into the Effect of the Cl 3p Orbital on g-C ₃ N ₄ Mimicking Photosynthesis under CO ₂ Reduction. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9646-9656	3.8	4
55	Numerical study on optoelectronic properties of alkaline-earth metal doped g-C ₃ N ₄ . <i>Chemical Physics</i> , 2021 , 544, 111104	2.3	2
54	(W _{1-x} M _x)C carbides with desired combinations of compatible density and properties: A first-principles study. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4239-4256	3.8	5
53	Promoting in situ formation of core-shell structured carbides in high-Cr cast irons by boron addition. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4891-4901	3.8	0
52	Electron work function: an indicative parameter towards a novel material design methodology. <i>Scientific Reports</i> , 2021 , 11, 11565	4.9	3
51	Preparation and performance of a solid-state thin-film Ag/AgCl quasi-reference electrode modified by chitosan-graphene. <i>Materials Technology</i> , 2021 , 36, 63-71	2.1	3
50	Nano-tribological behavior of high-entropy alloys CrMnFeCoNi and CrFeCoNi under different conditions: A molecular dynamics study. <i>Wear</i> , 2021 , 476, 203583	3.5	9
49	Tailoring M ₇ C ₃ carbide via electron work function-guided modification. <i>Scripta Materialia</i> , 2021 , 190, 168-173	5.6	8
48	Construction of a CsPbBr ₃ modified porous g-C ₃ N ₄ photocatalyst for effective reduction of CO ₂ and mechanism exploration. <i>New Journal of Chemistry</i> , 2021 , 45, 1082-1091	3.6	4
47	An approach for hydrophobic fixed abrasive pad based on layer-by-layer method. <i>Microelectronic Engineering</i> , 2021 , 238, 111505	2.5	0
46	Microstructure-electron work function relationship: A crucial step towards electronic metallurgy. <i>Materials Today Communications</i> , 2021 , 26, 101977	2.5	1
45	Contribution of cold-work to the wear resistance of materials and its limitation: A study combining molecular dynamics modeling and experimental investigation. <i>Wear</i> , 2021 , 476, 203642	3.5	4

44	Study on photoelectric properties of Fe-Co codoped g-C3N4. <i>Chemical Physics Letters</i> , 2021 , 781, 138951-138956	2.5	1
43	Property approach of Si based ZnO films under thermal shock. <i>Ceramics International</i> , 2021 , 47, 28985-28991	3.9	3
42	Study on photoelectric properties of Al-Eu codoped ZnO. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160606	5.7	1
41	Sulfur-doped g-C3N4 for efficient photocatalytic CO2 reduction: insights by experiment and first-principles calculations. <i>Catalysis Science and Technology</i> , 2021 , 11, 1725-1736	5.5	12
40	Study on optical properties of alkali metal doped g-C3N4 and their photocatalytic activity for reduction of CO2. <i>Chemical Physics Letters</i> , 2020 , 751, 137467	2.5	31
39	Construction of a rod-like Bi2O4 modified porous g-C3N4 nanosheets heterojunction photocatalyst for the degradation of tetracycline. <i>New Journal of Chemistry</i> , 2020 , 44, 9725-9735	3.6	5
38	Study on photoelectric properties of Si supported ZnO. <i>Journal of Alloys and Compounds</i> , 2020 , 843, 155909	3.9	4
37	First-principles studies on phase stability, anisotropic elastic and electronic properties of Al-La binary system intermetallic compounds. <i>Materials Today Communications</i> , 2020 , 24, 101101	2.5	4
36	Fabrication of a Z-scheme MoS2/CuO heterojunction for enhanced 2-mercaptobenzothiazole degradation activity and mechanism insight. <i>New Journal of Chemistry</i> , 2020 , 44, 18264-18273	3.6	5
35	Preparation of noble metal Ag-modified BiVO4 nanosheets and a study on the degradation performance of tetracyclines. <i>New Journal of Chemistry</i> , 2020 , 44, 13815-13823	3.6	14
34	Fabrication of corncob-derived biomass charcoal decorated g-C3N4 photocatalysts for removing 2-mercaptobenzothiazole. <i>New Journal of Chemistry</i> , 2020 , 44, 15908-15918	3.6	7
33	Optoelectronic properties of AZO/ZnO bilayer. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152531	5.7	7
32	Factors influencing thermal transport across graphene/metal interfaces with van der Waals interactions. <i>Nanoscale</i> , 2019 , 11, 14155-14163	7.7	12
31	Study on interfacial interaction between Si and ZnO. <i>Ceramics International</i> , 2019 , 45, 21894-21899	5.1	9
30	Structure and interfacial properties investigation for ZnO/graphene interface. <i>Materials Chemistry and Physics</i> , 2019 , 229, 1-5	4.4	8
29	Investigation on electronic and magnetic properties of Co and Mn in ZnO with different doping types. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 461, 1-5	2.8	18
28	Optoelectronic performances on different structures of Al-doped ZnO. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5615-5626	3.8	17
27	Investigation on the contact between graphdiyne and Cu (111) surface. <i>Carbon</i> , 2017 , 117, 246-251	10.4	15

26	An exploratory review on some inorganic materials and structure of solar cells. <i>International Journal of Materials and Structural Integrity</i> , 2017 , 11, 62	0.3	5
25	Numerical investigation on mechanical properties of graphene covering silicon nanofilms. <i>Computational Materials Science</i> , 2017 , 126, 321-325	3.2	4
24	A review on design of interface structure in micro/nano manufacturing. <i>International Journal of Materials and Structural Integrity</i> , 2016 , 10, 23	0.3	1
23	Approach using the electrical structure and optical properties of aluminium-doped zinc oxide for solar cells. <i>RSC Advances</i> , 2016 , 6, 110943-110950	3.7	9
22	Thermal Effects on LED Lamp With Different Thermal Interface Materials. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 4819-4824	2.9	15
21	Tunable thermal property in edge hydrogenated AA-stacked bilayer graphene nanoribbons. <i>Applied Surface Science</i> , 2016 , 362, 86-92	6.7	17
20	Mechanical characteristics approach on W/Cr nano-interface structure. <i>Composite Interfaces</i> , 2016 , 23, 549-556	2.3	
19	Theoretical investigations of sp ² hybridized capped graphyne nanotubes. <i>Chemical Engineering Science</i> , 2015 , 134, 217-221	4.4	12
18	Effect of the Growth Parameters on Nonlinear Optical Properties of Al-Doped ZnO Nano Films. <i>International Journal of Applied Ceramic Technology</i> , 2015 , 12, 399-402	2	2
17	Numerical simulation of thermal properties at Cu/Al interfaces based on hybrid model. <i>Engineering Computations</i> , 2015 , 32, 574-584	1.4	0
16	Investigation on field emission properties of graphdiyneBN composite. <i>Journal of Molecular Structure</i> , 2014 , 1064, 32-36	3.4	18
15	Computation of thermal properties of a copper-copper nano interface structure using a MD/CFE method. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 78, 45-49	4.9	5
14	Thermal conductivity of graphene nanoribbons with defects and nitrogen doping. <i>Reactive and Functional Polymers</i> , 2014 , 79, 29-35	4.6	21
13	An atomic-continuum multiscale modeling approach for interfacial thermal behavior between materials. <i>Applied Mathematical Modelling</i> , 2014 , 38, 3373-3379	4.5	4
12	Interfacial heat transfer properties of the typical interconnection structures in IC packaging: a multiscale study. <i>International Journal of Materials and Structural Integrity</i> , 2014 , 8, 110	0.3	1
11	Experimental investigation on the growth rate of Cu nano-thin films by DC and RF magnetron sputtering methods. <i>International Journal of Materials and Structural Integrity</i> , 2014 , 8, 303	0.3	
10	Experimental and numerical approach on interfacial properties of W/Al bilayer films for electronic devices manufacturing. <i>Composite Interfaces</i> , 2014 , 21, 507-520	2.3	1
9	Numerical investigation on thermal conductivity and thermal rectification in graphene through nitrogen-doping engineering. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 759-765	2.6	23

8	Influence of doped nitrogen and vacancy defects on the thermal conductivity of graphene nanoribbons. <i>Journal of Molecular Modeling</i> , 2013 , 19, 4781-8	2	16
7	Thermal management performance of bent graphene nanoribbons. <i>RSC Advances</i> , 2013 , 3, 17349	3.7	18
6	Test investigation on interfacial characteristics of Cr/Al nanofilms structure. <i>Composite Interfaces</i> , 2013 , 20, 603-609	2.3	
5	. <i>IEEE Transactions on Reliability</i> , 2013 , 62, 870-875	4.6	13
4	Effect of forming factors on surface temperature and residual deformation of the plate in line heating. <i>International Journal of Materials and Structural Integrity</i> , 2013 , 7, 171	0.3	5
3	Investigation on the electronic and optical properties of Al-doped ZnO nanostructures. <i>International Journal of Materials and Structural Integrity</i> , 2013 , 7, 251	0.3	
2	The Effect of Phonon and Electron on Thermal Characteristics of Cu/Al Interface. <i>Current Nanoscience</i> , 2013 , 9, 747-752	1.4	4
1	A Simple Surface Treatment for Mg to Gain Enhanced Resistance to Corrosion and Corrosive Wear by Hammering Al Powder-Covered Mg Substrate. <i>Advanced Materials Interfaces</i> , 2200087	4.6	