Han Huang

List of Publications by Year
in descending order

201 papers	6,357 citations	61857 43 h-index	91712 69 g-index
204 all docs	204 docs citations	204 times ranked	9018 citing authors

#	Article	IF	Citations
1	Spatially Resolved Electronic Structures of Atomically Precise Armchair Graphene Nanoribbons. Scientific Reports, 2012, 2, 983.	1.6	246
2	Bottom-up Growth of Epitaxial Graphene on 6H-SiC(0001). ACS Nano, 2008, 2, 2513-2518.	7.3	232
3	Organicâ€“Organic Heterojunction Interfaces: Effect of Molecular Orientation. Advanced Functional Materials, 2011, 21, 410-424.	7.8	210
4	Allometric scaling of skin thickness, elasticity, viscoelasticity to mass for micro-medical device translation: from mice, rats, rabbits, pigs to humans. Scientific Reports, 2017, 7, 15885.	1.6	174
5	Structural and Electronic Properties of PTCDA Thin Films on Epitaxial Graphene. ACS Nano, 2009, 3, 3431-3436.	7.3	167
6	Highâ€Performance Flexible Perovskite Solar Cells via Precise Control of Electron Transport Layer. Advanced Energy Materials, 2019, 9, 1901419.	10.2	167
7	Templated growth of oriented layered hybrid perovskites on 3D-like perovskites. Nature Communications, 2020, 11, 582.	5.8	167
8	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. Chemistry of Materials, 2008, 20, 7017-7021.	3.2	152
9	Interfacial electronic structure at the CH3NH3PbI3/MoOx interface. Applied Physics Letters, 2015, 106, .	1.5	152
10	Surface transfer hole doping of epitaxial graphene using MoO3 thin film. Applied Physics Letters, 2010, 96, .	1.5	130
11	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. Applied Physics Letters, 2011, 98, .	1.5	126
12	Quasi-Free-Standing Epitaxial Graphene on SiC (0001) by Fluorine Intercalation from a Molecular Source. ACS Nano, 2011, 5, 7662-7668.	7.3	96
13	Vertical 0Dâ€Perovskite/2Dâ€MoS₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectricâ€Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics. Small, 2020, 16, e2005217.	5.2	87
14	Efficient electron-blocking layer-free planar heterojunction perovskite solar cells with a high open-circuit voltage. Organic Electronics, 2015, 26, 265-272.	1.4	83
15	Molecular Orientation Dependent Energy Level Alignment at Organicâ”Organic Heterojunction Interfaces. Journal of Physical Chemistry C, 2009, 113, 12832-12839.	1.5	80
16	Recent advances in micro- and nano-machining technologies. Frontiers of Mechanical Engineering, 2017, 12, 18-32.	2.5	75
17	Formulations for microprojection/microneedle vaccine delivery: Structure, strength and release profiles. Journal of Controlled Release, 2016, 225, 40-52.	4.8	74
18	In situ sulfurization to generate Sb₂(Se_{1â€‰â”‰x}S_x)₃ alloyed films and their application for photovoltaics. Progress in Photovoltaics: Research and Applications, 2017, 25, 113-122.	4.4	70

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19	Molecular orientation transition of organic thin films on graphite: the effect of intermolecular electrostatic and interfacial dispersion forces. Chemical Communications, 2008, , 4276.	2.2	69
20	Molecular orientation dependent interfacial dipole at the F16CuPcâ•CuPc organic heterojunction interface. Applied Physics Letters, 2008, 92, 063308.	1.5	68
21	Multilevel Nonvolatile Organic Photomemory Based on Vanadyl-Phthalocyanine/para-Sexiphenyl Heterojunctions. ACS Photonics, 2017, 4, 2573-2579.	3.2	68
22	Highâ€Performance Organic Heterojunction Phototransistors Based on Highly Ordered Copper Phthalocyanine/paraâ€Sexiphenyl Thin Films. Advanced Functional Materials, 2017, 27, 1604933.	7.8	64
23	Highly Efficient, Solution-Processed CsPbI₂Br Planar Heterojunction Perovskite Solar Cells via Flash Annealing. ACS Photonics, 2018, 5, 4104-4110.	3.2	64
24	Micromechanics of machining and wear in hard and brittle materials. Journal of the American Ceramic Society, 2021, 104, 5-22.	1.9	63
25	Energy-Gap Opening in a Bi(110) Nanoribbon Induced by Edge Reconstruction. Physical Review Letters, 2012, 109, 246804.	2.9	62
26	Molecular orientation of 3, 4, 9, 10-perylene-tetracarboxylic-dianhydride thin films at organic heterojunction interfaces. Applied Physics Letters, 2007, 91, 114102.	1.5	60
27	Low-Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F16CuPc Thin Films on Ag(111). Journal of Physical Chemistry C, 2008, 112, 14913-14918.	1.5	60
28	Low-Temperature Scanning Tunneling Microscopy and Near-Edge X-ray Absorption Fine Structure Investigations of Molecular Orientation of Copper(II) Phthalocyanine Thin Films at Organic Heterojunction Interfaces. Journal of Physical Chemistry C, 2008, 112, 5036-5042.	1.5	60
29	Critique of materialsâ€based models of ductile machining in brittle solids. Journal of the American Ceramic Society, 2020, 103, 6096-6100.	1.9	59
30	Theoretical Prediction of Electronic Structure and Carrier Mobility in Single-walled MoS2 Nanotubes. Scientific Reports, 2014, 4, 4327.	1.6	58
31	Tribological Performance and Lubrication Mechanism of Alumina Nanoparticle Water-Based Suspensions in Ball-on-Three-Plate Testing. Tribology Letters, 2017, 65, 1.	1.2	56
32	Controllable thin-film morphology and structure for 2,7-dioctyl[1]benzothieno[3,2- b][1]benzothiophene (C8BTBT) based organic field-effect transistors. Organic Electronics, 2016, 36, 73-81.	1.4	55
33	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. Journal of Physical Chemistry C, 2013, 117, 22428-22437.	1.5	53
34	Graphene Thermal Emitter with Enhanced Joule Heating and Localized Light Emission in Air. ACS Photonics, 2019, 6, 2117-2125.	3.2	53
35	Molecular orientation of CuPc thin films on C60/Ag(111). Applied Physics Letters, 2009, 94, .	1.5	52
36	All-inorganic perovskite CsPbBr₃ microstructures growth via chemical vapor deposition for high-performance photodetectors. Nanoscale, 2019, 11, 21386-21393.	2.8	51

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37	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. Journal of Applied Physics, 2009, 106, 064910.	1.1	50
38	Controlled Layer-by-Layer Oxidation of MoTe₂ via O₃ Exposure. ACS Applied Materials & Interfaces, 2018, 10, 30045-30050.	4.0	49
39	Orientationally Ordered C₆₀ on p-Sexiphenyl Nanostripes on Ag(111). ACS Nano, 2008, 2, 693-698.	7.3	48
40	Effects of annealing on structure and composition of LSMO thin films. Physica B: Condensed Matter, 2015, 477, 14-19.	1.3	47
41	Flexible Planar Heterojunction Perovskite Solar Cells Fabricated via Sequential Rollâ€toâ€Roll Microgravure Printing and Slotâ€Die Coating Deposition. Solar Rrl, 2020, 4, 1900204.	3.1	47
42	High electrical conductivity of individual epitaxially grown MoO2 nanorods. Applied Physics Letters, 2017, 111, .	1.5	46
43	Accelerated electron extraction and improved UV stability of TiO2 based perovskite solar cells by SnO2 based surface passivation. Organic Electronics, 2018, 59, 184-189.	1.4	45
44	Synthesis, microstructure, and mechanical behaviour of a unique porous PHBV scaffold manufactured using selective laser sintering. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 151-160.	1.5	44
45	Creating a Dualâ€Functional 2D Perovskite Layer at the Interface to Enhance the Performance of Flexible Perovskite Solar Cells. Small, 2021, 17, e2102368.	5.2	44
46	Interlayer coupling of a direct van der Waals epitaxial MoS₂/graphene heterostructure. RSC Advances, 2016, 6, 323-330.	1.7	42
47	Preparation of nanoporous graphene oxide by nanocrystal-masked etching: toward a nacre-mimetic metalâ€“organic framework molecular sieving membrane. Journal of Materials Chemistry A, 2017, 5, 16255-16262.	5.2	42
48	A homogeneous pâ€“n junction diode by selective doping of few layer MoSe₂ using ultraviolet ozone for high-performance photovoltaic devices. Nanoscale, 2019, 11, 13469-13476.	2.8	41
49	On-surface manipulation of atom substitution between cobalt phthalocyanine and the Cu(111) substrate. RSC Advances, 2017, 7, 13827-13835.	1.7	40
50	Hollow Carbon Nanospheres with Extremely Small Size as Anode Material in Lithium-Ion Batteries with Outstanding Cycling Stability. Journal of Physical Chemistry C, 2016, 120, 3139-3144.	1.5	39
51	Self-assembled organic donor/acceptor nanojunction arrays. Applied Physics Letters, 2008, 92, .	1.5	38
52	Polarization-perceptual anisotropic two-dimensional ReS₂ neuro-transistor with reconfigurable neuromorphic vision. Materials Horizons, 2022, 9, 1448-1459.	6.4	38
53	Thickness-Dependent Air-Exposure-Induced Phase Transition of CuPc Ultrathin Films to Well-Ordered One-Dimensional Nanocrystals on Layered Substrates. Journal of Physical Chemistry C, 2015, 119, 4217-4223.	1.5	36
54	Effect of Fluorination on the Molecular Packing of Perfluoropentacene and Pentacene Ultrathin Films on Ag (111). Journal of Physical Chemistry C, 2010, 114, 9356-9361.	1.5	35

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55	Air-stable and high-performance organic field-effect transistors based on ordered, large-domain phthalocyanine copper thin film. Synthetic Metals, 2015, 210, 336-341.	2.1	34
56	LT-STM studies on substrate-dependent self-assembly of small organic molecules. Journal Physics D: Applied Physics, 2011, 44, 464005.	1.3	33
57	Crystal-Domain Orientation and Boundary in Highly Ordered Organic Semiconductor Thin Film. Journal of Physical Chemistry C, 2015, 119, 14965-14971.	1.5	33
58	Effects of surface defects on the mechanical properties of ZnO nanowires. Scientific Reports, 2017, 7, 9547.	1.6	33
59	Epitaxial Growth of Highly Oriented Metallic MoO₂@MoS₂ Nanorods on C-sapphire. Journal of Physical Chemistry C, 2018, 122, 1860-1866.	1.5	33
60	Fabrication of NiSe2 by direct selenylation of a nickel surface. Applied Surface Science, 2018, 428, 623-629.	3.1	33
61	A resonant method for determining the residual stress and elastic modulus of a thin film. Applied Physics Letters, 2013, 103, .	1.5	32
62	Competition between Hexagonal and Tetragonal Hexabromobenzene Packing on Au(111). ACS Nano, 2016, 10, 3198-3205.	7.3	32
63	Tribological Characteristics of Aqueous Graphene Oxide, Graphitic Carbon Nitride, and Their Mixed Suspensions. Tribology Letters, 2018, 66, 1.	1.2	32
64	Efficient, stable and flexible perovskite solar cells using two-step solution-processed SnO2 layers as electron-transport-material. Organic Electronics, 2018, 58, 126-132.	1.4	31
65	Effects of monolayer Bi on the self-assembly of DBBA on Au(111). Surface Science, 2017, 665, 89-95.	0.8	30
66	Interfacial electronic structures of MoOx/mixed perovskite photodetector. Organic Electronics, 2019, 65, 162-169.	1.4	30
67	High-performance photodetectors based on CVD-grown high-quality SnS2 nanosheets. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	29
68	Structural and electronic properties of atomically thin Bismuth on Au(111). Surface Science, 2019, 679, 147-153.	0.8	29
69	Creep and Mechanical Properties of Cu6Sn5 and (Cu,Ni)6Sn5 at Elevated Temperatures. Journal of Electronic Materials, 2013, 42, 304-311.	1.0	28
70	In vitro degradation of a unique porous PHBV scaffold manufactured using selective laser sintering. Journal of Biomedical Materials Research - Part A, 2019, 107, 154-162.	2.1	28
71	One-step synthesis of centimeter-size alpha-MoO3 with single crystallinity. Applied Surface Science, 2019, 476, 789-795.	3.1	27
72	Performance Evaluation and Lubrication Mechanism of Water-Based Nanolubricants Containing Nano-TiO2 in Hot Steel Rolling. Lubricants, 2018, 6, 57.	1.2	26

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73	CVD Grown MoS 2 Nanoribbons on MoS 2 Covered Sapphire(0001) Without Catalysts. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900063.	1.2	26
74	PbI₂â€“MoS₂ Heterojunction: van der Waals Epitaxial Growth and Energy Band Alignment. Journal of Physical Chemistry Letters, 2019, 10, 4203-4208.	2.1	25
75	Yttria stabilized zirconia (YSZ) thin wall structures fabricated using laser engineered net shaping (LENS). International Journal of Advanced Manufacturing Technology, 2019, 105, 4491-4498.	1.5	25
76	Detection of powder bed defects in selective laser sintering using convolutional neural network. International Journal of Advanced Manufacturing Technology, 2020, 107, 2485-2496.	1.5	25
77	Enormous enhancement in electrical performance of few-layered MoTe2 due to Schottky barrier reduction induced by ultraviolet ozone treatment. Nano Research, 2020, 13, 952-958.	5.8	25
78	An experimental study of machining characteristics and tool wear in the diamond wire sawing of granite. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 943-953.	1.5	24
79	Van Der Waals Heterostructures between Small Organic Molecules and Layered Substrates. Crystals, 2016, 6, 113.	1.0	24
80	Efficient and Anisotropic Second Harmonic Generation in Fewâ€Łayer SnS Film. Advanced Optical Materials, 2021, 9, 2101200.	3.6	24
81	Incorporating Isolated Molybdenum (Mo) Atoms into Bilayer Epitaxial Graphene on 4H-SiC(0001). ACS Nano, 2014, 8, 970-976.	7.3	23
82	From MoO₂@MoS₂ Coreâ€“Shell Nanorods to MoS₂ Nanobelts. Physica Status Solidi (B): Basic Research, 2018, 255, 1800254.	0.7	23
83	Fabricating Quasi-Free-Standing Graphene on a SiC(0001) Surface by Steerable Intercalation of Iron. Journal of Physical Chemistry C, 2018, 122, 21484-21492.	1.5	23
84	Quick Optical Identification of the Defect Formation in Monolayer WSe2 for Growth Optimization. Nanoscale Research Letters, 2019, 14, 274.	3.1	23
85	Epitaxial growth and characterization of graphene on free-standing polycrystalline 3C-SiC. Journal of Applied Physics, 2011, 110, 014308.	1.1	22
86	Deformation, failure and removal mechanisms of thin film structures in abrasive machining. Advances in Manufacturing, 2017, 5, 1-19.	3.2	22
87	Effects of CsPbBr3 nanocrystals concentration on electronic structure and surface composition of perovskite films. Organic Electronics, 2019, 73, 327-331.	1.4	22
88	â€œZigzagâ€•C60 chain arrays. Applied Physics Letters, 2008, 92, 023105.	1.5	21
89	Indentation-induced delamination of plasma-enhanced chemical vapor deposition silicon nitride film on gallium arsenide substrate. Journal of Materials Research, 2013, 28, 1047-1055.	1.2	21
90	Tuning of C60 energy levels using orientation-controlled phthalocyanine films. Journal of Applied Physics, 2010, 108, 053706.	1.1	20

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91	Scanning Tunneling Microscope and Photoemission Spectroscopy Investigations of Bismuth on Epitaxial Graphene on SiC(0001). Journal of Physical Chemistry C, 2014, 118, 24995-24999.	1.5	20
92	Type-II Interface Band Alignment in the vdW PbI₂â€“MoSe₂ Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 32099-32105.	4.0	20
93	Identifying the convergent reaction path from predesigned assembled structures: Dissymmetrical dehalogenation of Br2Py on Ag(111). Nano Research, 0, , 1.	5.8	20
94	A comparative study on the dielectric response and microwave absorption performance of FeNi-capped carbon nanotubes and FeNi-cored carbon nanoparticles. Nanotechnology, 2021, 32, 105701.	1.3	20
95	Study of electromagnetic enhancement for surface enhanced Raman spectroscopy of SiC graphene. Applied Physics Letters, 2012, 100, 191601.	1.5	19
96	Ullmann coupling of 2,7-dibromopyrene on Au(1Â1Â1) assisted by surface adatoms. Applied Surface Science, 2020, 513, 145797.	3.1	19
97	Synthesis of Mesoporous Carbonâ€Bonded <scp>TiC/SiC</scp> Composites by Direct Carbothermal Reduction of Solâ€“Gel Derived Monolithic Precursor. Journal of the American Ceramic Society, 2011, 94, 4025-4031.	1.9	18
98	Characterising the material properties at the interface between skin and a skin vaccination microprojection device. Acta Biomaterialia, 2016, 36, 186-194.	4.1	18
99	Akermanite reinforced PHBV scaffolds manufactured using selective laser sintering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2596-2610.	1.6	18
100	Eco-Friendly Water-Based Nanolubricants for Industrial-Scale Hot Steel Rolling. Lubricants, 2020, 8, 96.	1.2	18
101	Direct bilayer growth: a new growth principle for a novel WSe₂ homo-junction and bilayer WSe₂ growth. Nanoscale, 2020, 12, 3715-3722.	2.8	18
102	Epitaxial growth of diindenoperylene ultrathin films on Ag(111) investigated by LT-STM and LEED. Physical Chemistry Chemical Physics, 2011, 13, 20933.	1.3	17
103	Trapping Single Polar Molecules in SiC Nanomesh via Out-of-Plane Dipoles. ACS Nano, 2012, 6, 2774-2778.	7.3	17
104	Controlled synthesis and optical properties of Cu/C core/shell nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	17
105	Eâ€™â€™ Raman Mode in Thermal Strain-Fractured CVD-MoS2. Crystals, 2016, 6, 151.	1.0	17
106	Determination of the energy release rate in the interfacial delamination of silicon nitride film on gallium arsenide substrate via nanoindentation. Journal of Materials Research, 2014, 29, 801-810.	1.2	16
107	Control of Two-Dimensional Ordering of F16CuPc on Bi/Ag(111): Effect of Interfacial Interactions. Journal of Physical Chemistry C, 2010, 114, 11234-11241.	1.5	15
108	Kinetic and static friction between alumina nanowires and a Si substrate characterized using a bending manipulation method. Journal of Materials Research, 2015, 30, 1852-1860.	1.2	15

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109	Chiral Self-Assembly of Nonplanar 10,10â€²-Dibromo-9,9â€²-bianthryl Molecules on Ag(111). Langmuir, 2017, 33, 2993-2999.	1.6	15
110	Seesaw-like polarized transmission behavior of silver nanowire arrays aligned by off-center spin-coating. Journal of Applied Physics, 2018, 123, .	1.1	15
111	A laterally sensitive colloidal probe for accurately measuring nanoscale adhesion of textured surfaces. Nano Research, 2019, 12, 389-396.	5.8	15
112	Recent Advances in Tin: From Two-Dimensional Quantum Spin Hall Insulator to Bulk Dirac Semimetal. Journal of Physical Chemistry Letters, 2020, 11, 1317-1329.	2.1	15
113	Ultrafast optical spectroscopy evidence of pseudogap and electron-phonon coupling in an iron-based superconductor KCa2Fe4As4F2. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	2.0	15
114	Nanoscale phase separation of a binary molecular system of copper phthalocyanine and di-indenoperylene on Ag(111). Applied Physics Letters, 2009, 95, .	1.5	14
115	Fullerene (C60) interlayer modification on the electronic structure and the film growth of 2,7-diocty[1]benzothieno-[3,2-b]benzothiophene on SiO2. Synthetic Metals, 2017, 229, 1-6.	2.1	14
116	Interfacial Effects on the Growth of Atomically Thin Film: Group VA Elements on Au(111). Advanced Materials Interfaces, 2019, 6, 1901050.	1.9	14
117	Deformation behavior of porous PHBV scaffold in compression: A finite element analysis study. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 1-8.	1.5	14
118	FDTD simulation of the optical properties for a gold nanoparticle-over-nanosheet hybrid structure. Current Applied Physics, 2020, 20, 391-399.	1.1	14
119	Simultaneous Improvement of the Power Conversion Efficiency and Stability of Perovskite Solar Cells by Doping PMMA Polymer in Spiroâ€OMeTADâ€Based Holeâ€Transporting Layer. Solar Rrl, 2021, 5, 2100408.	3.1	14
120	Scanning tunneling microscopy and photoelectron spectroscopy investigation of the sexithiophene:C₆₀ donor-acceptor nanostructure formation on graphite. Journal of Applied Physics, 2011, 109, 084307.	1.1	13
121	STM studies of epitaxial graphene. MRS Bulletin, 2012, 37, 1195-1202.	1.7	13
122	Metallo-Organic Ligand Designing Road for Constructing the First-Generation Dendritic Metallotriangle. Inorganic Chemistry, 2017, 56, 4065-4071.	1.9	13
123	Interfacial Electronic Structures of Photodetectors Based on C8BTBT/Perovskite. ACS Applied Materials & Interfaces, 2018, 10, 20959-20967.	4.0	13
124	Energy Level Evolution and Oxygen Exposure of Fullerene/Black Phosphorus Interface. Journal of Physical Chemistry Letters, 2018, 9, 5254-5261.	2.1	13
125	Defect Generation and Surface Functionalization on Epitaxial Blue Phosphorene by C60 Adsorption. Journal of Physical Chemistry C, 2019, , .	1.5	13
126	In-Plane Phonon Anisotropy and Anharmonicity in Exfoliated Natural Black Arsenic. Journal of Physical Chemistry Letters, 2021, 12, 10753-10760.	2.1	13

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127	Fracture strength characterization of protective intermetallic coatings on AZ91E Mg alloys using FIB-machined microcantilever bending technique. Journal of Materials Research, 2015, 30, 1678-1685.	1.2	12
128	Effects of Surface Roughness on the Kinetic Friction of SiC Nanowires on SiN Substrates. Tribology Letters, 2018, 66, 1.	1.2	12
129	Epitaxial Growth of Free-Standing Bismuth Film on Graphene Embedded with Nontrivial Properties. ACS Applied Electronic Materials, 2019, 1, 1817-1824.	2.0	12
130	Interface Energy-Level Alignment between Black Phosphorus and F₁₆CuPc Molecular Films. Journal of Physical Chemistry C, 2019, 123, 10443-10450.	1.5	12
131	Anisotropic in-plane thermal conductivity for multi-layer WTe2. Nano Research, 2022, 15, 401-407.	5.8	12
132	Characterization of the interfacial strength of SiN_x/GaAs film/substrate systems using energy balance in nanoindentation. Journal of Materials Research, 2013, 28, 3137-3145.	1.2	11
133	The effect of surface texture on the kinetic friction of a nanowire on a substrate. Scientific Reports, 2017, 7, 44907.	1.6	11
134	High-performance and flexible CsPbBr₃ UVâ€“vis photodetectors fabricated via chemical vapor deposition. Journal Physics D: Applied Physics, 2020, 53, 354002.	1.3	11
135	A Highâ€Performance and Longâ€Term Airâ€Stable CH₃NH₃PbI₃/C8BTBT Heterojunction Photodetector Fabricated via Chemical Vapor Deposition. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000479.	1.2	11
136	Phonon anharmonicities in 7-armchair graphene nanoribbons. Carbon, 2022, 190, 312-318.	5.4	11
137	Temperature-dependent photoluminescence of Co-evaporated MAPbI3 ultrathin films. Results in Physics, 2022, 34, 105326.	2.0	11
138	Recent advances in printed liquid metals for wearable healthcare sensors: a review. Journal Physics D: Applied Physics, 2022, 55, 283002.	1.3	11
139	Investigation of the dynamic bending properties of MoS2 thin films by interference colours. Scientific Reports, 2015, 5, 18441.	1.6	10
140	Imaging and Dynamics of Water Hexamer Confined in Nanopores. ACS Nano, 2019, 13, 10622-10630.	7.3	10
141	Structural Transformation of 2,7â€Dibromopyrene on Au(111) Mediated by Halogenâ€Bonding Motifs. ChemPhysChem, 2019, 20, 2376-2381.	1.0	10
142	Electronic structure evolution at DBBA/Au(111) interface W/O Bismuth insertion layer. Synthetic Metals, 2019, 251, 24-29.	2.1	10
143	Evolutions of morphology and electronic properties of few-layered MoS2 exposed to UVO. Results in Physics, 2020, 19, 103634.	2.0	10
144	Epitaxial growth of single tellurium atomic wires on a Cu2Sb surface alloy. Applied Physics Letters, 2020, 116, .	1.5	10

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145	Catalyst-free synthesis and mechanical characterization of TaC nanowires. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
146	Temperature evolution of quasiparticle dispersion and dynamics in semimetallic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mm via high-resolution angle-resolved photoemission spectroscopy and ultrafast optical pump-probe spectroscopy. Physical Review B, 2021, 103, .	1.1	10
147	Thickness dependent anisotropy of in-plane Raman modes under different temperatures in supported few-layer WTe2. Applied Physics Letters, 2021, 119, 063104.	1.5	10
148	Highly in-plane anisotropy of thermal transport in suspended ternary chalcogenide Ta2NiS5. Nano Research, 2022, 15, 6601-6606.	5.8	10
149	An unexpected plasticization phenomenon and a constant of the change rate of viscoelastic properties for polymers during nanoindentation test. Journal of Applied Polymer Science, 2011, 122, 885-890.	1.3	9
150	Oxidation Behaviour of Steel During hot Rolling by Using TiO2-Containing Water-Based Nanolubricant. Oxidation of Metals, 2019, 92, 315-335.	1.0	9
151	Breaking down and reconstruction of islands during the film growth of CuPc on HOPG. Applied Physics Letters, 2019, 114, .	1.5	9
152	Photoemission studies of C8-BTBT/La0.67Sr0.33MnO3 interface. Synthetic Metals, 2020, 260, 116261.	2.1	9
153	Epitaxial growth of <010>-oriented MoO2 nanorods on m-sapphire. Current Applied Physics, 2020, 20, 1130-1135.	1.1	9
154	Initiating Ullmann-like coupling of Br2Py by a semimetal surface. Scientific Reports, 2021, 11, 3414.	1.6	9
155	Adsorption on epitaxial graphene on SiC(0001). Journal of Materials Research, 2014, 29, 447-458.	1.2	8
156	Surface integrity and removal mechanism of chemical mechanical grinding of silicon wafers using a newly developed wheel. International Journal of Advanced Manufacturing Technology, 2016, 83, 1231-1239.	1.5	8
157	Dirac semimetal PdTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e250" altimg="si63.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> temperature-dependent quasiparticle dynamics and electronâ€“phonon coupling. Results in Physics, 2021, 30, 104816.	2.0	8
158	Emission properties of sequentially deposited ultrathin CH3NH3PbI3/MoS2 heterostructures. Current Applied Physics, 2022, 36, 27-33.	1.1	8
159	A comparative study on magnetorheological planarization using modified magnetic yokes and brick magnet. International Journal of Advanced Manufacturing Technology, 2017, 91, 2831-2841.	1.5	7
160	Interface Electronic Structure between Au and Black Phosphorus. Journal of Physical Chemistry C, 2018, 122, 18405-18411.	1.5	7
161	Asymmetric Growth of Tetragon-Shaped Single-Crystalline Graphene Flakes on Copper Foil by Annealing Treatment under Oxygen-Free Conditions. Journal of Physical Chemistry C, 2019, 123, 2642-2650.	1.5	7
162	Interfaces between MoO_x and MoX ₂ (X = S, Se, and Te)*. Chinese Physics B, 2020, 29, 116802.	0.7	7

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163	Environmentâ€Dependent Adhesion Energy of Mica Nanolayers Determined by a Nanomanipulationâ€Based Bridging Method. Advanced Materials Interfaces, 2019, 6, 1801552.	1.9	6
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