

Jun-Hao Chu

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.

307 papers	5,649 citations	39 h-index	60 g-index
329 ext. papers	6,949 ext. citations	5.4 avg, IF	5.8 L-index

#	Paper	IF	Citations
307	Ferro-electric and magnetic properties in Bi ₅ Ti ₃ FeO ₁₅ films by Mn doping. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1003-1009	7.1	
306	Applications of Nickel-Based Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Energy and Sustainability Research</i> , 2022 , 3, 2100189	1.6	3
305	Ultralow-Power Machine Vision with Self-Powered Sensor Reservoir.. <i>Advanced Science</i> , 2022 , e2106092	13.6	8
304	High Quality P-Type Mg-Doped Ga ₂ O ₃ Films for Solar-Blind Photodetectors. <i>IEEE Electron Device Letters</i> , 2022 , 43, 580-583	4.4	1
303	High-Efficiency Full-Space Complex-Amplitude Metasurfaces Enabled by a Bi-Spectral Single-Substrate-Layer Meta-Atom. <i>Advanced Optical Materials</i> , 2022 , 10, 2102084	8.1	4
302	Epitaxial growth and phase evolution of ferroelectric La-doped HfO ₂ films. <i>Applied Physics Letters</i> , 2022 , 120, 162904	3.4	0
301	HgCdTe/black phosphorus van der Waals heterojunction for high-performance polarization-sensitive midwave infrared photodetector.. <i>Science Advances</i> , 2022 , 8, eabn1811	14.3	8
300	Thermal Conductivity of Large-Area Polycrystalline MoSe Films Grown by Chemical Vapor Deposition. <i>ACS Omega</i> , 2021 , 6, 30526-30533	3.9	
299	Anomalous NH-Induced Resistance Enhancement in Halide Perovskite MAPbI Film and Gas Sensing Performance. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11339-11345	6.4	0
298	Structural, Electronic Band Transition and Optoelectronic Properties of p-Type Transparent Conductive CuCr _{1-x} Ni _x O ₂ Semiconductor Films. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 26139-26149	3.8	
297	A bioinspired porous-designed hydrogel@polyurethane sponge piezoresistive sensor for human-machine interfacing. <i>Nanoscale</i> , 2021 , 13, 19155-19164	7.7	4
296	Inorganic lead-free antimony-based perovskite-inspired solar cells with a carbon electrode and green anti-solvent regulation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15301-15308	7.1	1
295	Optically Modulated HfS-Based Synapses for Artificial Vision Systems. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50132-50140	9.5	2
294	Gate-Tunable Photodiodes Based on Mixed-Dimensional Te/MoTe ₂ Van der Waals Heterojunctions. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001066	6.4	13
293	Interface engineering of ferroelectric-gated MoS ₂ phototransistor. <i>Science China Information Sciences</i> , 2021 , 64, 1	3.4	4
292	Band gap narrowing and electrical properties of (1-x)BaTiO ₃ -xSrFe _{0.5} Nb _{0.5} O ₃ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10151-10159	2.1	1
291	Modified room-temperature magnetic and optical properties in bilayer xBi ₆ Fe ₂ Ti ₃ O ₁₈ /(1-x)CoFe ₂ O ₄ composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10320-10328	2.1	1

290	RF magnetron sputtering processed transparent conductive aluminum doped ZnO thin films with excellent optical and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9106-9114	2.1	4
289	Asymmetric Au Electrodes-Induced Self-Powered Organic/Inorganic Perovskite Photodetectors. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 1149-1154	2.9	4
288	Room temperature preparation of highly stable cesium lead halide perovskite nanocrystals by ligand modification for white light-emitting diodes. <i>Nano Research</i> , 2021 , 14, 2770-2775	10	7
287	Vapor Transport Deposition of Highly Efficient Sb ₂ (S,Se) ₃ Solar Cells via Controllable Orientation Growth. <i>Advanced Functional Materials</i> , 2021 , 31, 2101476	15.6	13
286	Construction of a dual-core hollow waveguide for visible and mid-infrared light transmission based on PTFE tubing and UV gel. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	
285	Passivated Emitter and Rear Cell Silicon Solar Cells with a Front Polysilicon Passivating Contacted Selective Emitter. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2100057	2.5	2
284	Electron Injection Improvement of n-Type Organic Field-Effect Transistors With Indium Contact Interlayer. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 2440-2446	2.9	2
283	Carrier-capture-assisted optoelectronics based on van der Waals materials to imitate medicine-acting metaplasticity. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	1
282	Ferroelectric-tuned van der Waals heterojunction with band alignment evolution. <i>Nature Communications</i> , 2021 , 12, 4030	17.4	18
281	Realization of 11.5% Efficiency Cu ₂ ZnSn(S,Se) ₄ Thin-Film Solar Cells by Manipulating the Phase Structure of Precursor Films. <i>Solar Rrl</i> , 2021 , 5, 2100216	7.1	6
280	Mimic Drug Dosage Modulation for Neuroplasticity Based on Charge-Trap Layered Electronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2005182	15.6	3
279	Electron Hole Plasma Lasing Dynamics in CsPbCl ₂ Br ₃ -m Microplate Lasers. <i>ACS Photonics</i> , 2021 , 8, 787-793	7.3	8
278	Object Identification With Smart Glove Assembled by Pressure Sensors 2021 , 1-1		2
277	End-Bonded Contacts of Tellurium Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7766-7773	7.3	3
276	Ferroelectric Synaptic Transistor Network for Associative Memory. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001276	6.4	17
275	Plasmonic semiconductor nanogroove array enhanced broad spectral band millimetre and terahertz wave detection. <i>Light: Science and Applications</i> , 2021 , 10, 58	16.7	10
274	Vapor Transport Deposition: Vapor Transport Deposition of Highly Efficient Sb ₂ (S,Se) ₃ Solar Cells via Controllable Orientation Growth (Adv. Funct. Mater. 28/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170204	15.6	1
273	Electric-field modulated photovoltaic effect of ferroelectric double-perovskite Bi ₂ FeMnO ₆ films. <i>Applied Physics Letters</i> , 2021 , 119, 102903	3.4	0

272	CVD-Grown 2D Nonlayered NiSe as a Broadband Photodetector. <i>Micromachines</i> , 2021 , 12,	3.3	1
271	High-Performance Photodetectors with an Ultrahigh Photoswitching Ratio and a Very Fast Response Speed in Self-Powered Cu ₂ ZnSnS ₄ /CdS PN Heterojunctions. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 4135-4143	4	2
270	A high-power seawater battery working in a wide temperature range enabled by an ultra-stable Prussian blue analogue cathode. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8685-8691	13	3
269	Poly(vinyl alcohol)/phosphoric acid gel electrolyte@polydimethylsiloxane sponge for piezoresistive pressure sensors. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8676-8685	7.3	4
268	Phase transitions and phonon thermodynamics in giant piezoelectric Mn-doped K _{0.5} Na _{0.5} NbO ₃ /LiBiO ₃ crystals studied by Raman spectroscopy. <i>Physical Review B</i> , 2020 , 102,	3.3	3
267	Direct Patterning on Top-Gate Organic Thin-Film Transistors: Improvement of On/Off Ratio, Subthreshold Swing, and Uniformity. <i>IEEE Electron Device Letters</i> , 2020 , 41, 1082-1085	4.4	6
266	P-N conversion of charge carrier types and high photoresponsive performance of composition modulated ternary alloy W(SSe) field-effect transistors. <i>Nanoscale</i> , 2020 , 12, 15304-15317	7.7	3
265	Resistive Effects on the Spatially Resolved Absolute Electroluminescence of Thin-Film Cu(In, Ga)Se ₂ Solar Cells Studied by a Distributed Two-Diode Model. <i>IEEE Access</i> , 2020 , 8, 112859-112866	3.5	6
264	MoO ₂ Sacrificial Layer for Optimizing Back Contact Interface of Cu ₂ ZnSn(S,Se) ₄ Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 1191-1200	3.7	11
263	Coupled Electrical Conduction in Coordination Polymers: From Electrons/Ions to Mixed Charge Carriers. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1202-1213	4.5	4
262	Nonvolatile Negative Optoelectronic Memory Based on Ferroelectric Thin Films. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1035-1040	4	9
261	Mixed-Dimensional Van der Waals Heterostructure Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18674-18682	9.5	10
260	Enhanced carrier separation in ferroelectric In ₂ Se ₃ /MoS ₂ van der Waals heterostructure. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11160-11167	7.1	14
259	Temperature and pressure manipulation of magnetic ordering and phonon dynamics with phase transition in multiferroic GdFeO ₃ : Evidence from Raman scattering. <i>Physical Review B</i> , 2020 , 102,	3.3	6
258	Spin-phonon coupling and two-magnons scattering behaviors in hexagonal NiAs-type antiferromagnetic MnTe epitaxial films. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 1383-1389	2.3	1
257	MoTe p-n Homojunctions Defined by Ferroelectric Polarization. <i>Advanced Materials</i> , 2020 , 32, e1907937	24	60
256	Room-Temperature Anisotropic Plasma Mirror and Polarization-Controlled Optical Switch Based on Type-II Weyl Semimetal WP ₂ . <i>Physical Review Applied</i> , 2020 , 13,	4.3	3
255	Two-dimensional series connected photovoltaic cells defined by ferroelectric domains. <i>Applied Physics Letters</i> , 2020 , 116, 073101	3.4	6

254	High Responsivity and External Quantum Efficiency Photodetectors Based on Solution-Processed Ni-Doped CuO Films. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11797-11805	9.5	24
253	Programmable transition metal dichalcogenide homojunctions controlled by nonvolatile ferroelectric domains. <i>Nature Electronics</i> , 2020 , 3, 43-50	28.4	98
252	Strong charge-density-wave order of large-area 2D metallic VSe2 nanosheets discovered by temperature-dependent Raman spectra. <i>Applied Physics Letters</i> , 2020 , 116, 033102	3.4	6
251	Enhanced photovoltaic response of lead-free ferroelectric solar cells based on (K,Bi)(Nb,Yb)O films. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3691-3701	3.6	9
250	Extremely Low Dark Current MoS2 Photodetector via 2D Halide Perovskite as the Electron Reservoir. <i>Advanced Optical Materials</i> , 2020 , 8, 1901402	8.1	28
249	Multifunctional MoS Transistors with Electrolyte Gel Gating. <i>Small</i> , 2020 , 16, e2000420	11	13
248	Correlation of oxygen vacancy and Jahn-Teller polarons in epitaxial perovskite SrMnO3 ultrathin films: Dielectric spectroscopy investigations. <i>Applied Physics Letters</i> , 2020 , 116, 142901	3.4	2
247	Structural, optical, and enhanced multiferroic properties of xCoFe2O4-(1-x)K0.5Bi0.5TiO3 ferrite/ferroelectric composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10639-10648	2.1	1
246	Ferroelectric domain structure of Bi2FeCrO6 multiferroic thin films. <i>Journal of Applied Physics</i> , 2020 , 128, 234103	2.5	0
245	Multiwavelength GaN-Based Surface-Emitting Lasers and Their Design Principles. <i>Annalen Der Physik</i> , 2020 , 532, 1900308	2.6	2
244	Ultrasensitive negative capacitance phototransistors. <i>Nature Communications</i> , 2020 , 11, 101	17.4	63
243	Absolute electroluminescence imaging with distributed circuit modeling: Excellent for solar-cell defect diagnosis. <i>Progress in Photovoltaics: Research and Applications</i> , 2020 , 28, 295-306	6.8	5
242	A type-II GaSe/GeS heterobilayer with strain enhanced photovoltaic properties and external electric field effects. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 89-97	7.1	22
241	High performance tube sensor based on PANI/Eu nanofiber for low-volume NH detection. <i>Analytica Chimica Acta</i> , 2020 , 1093, 115-122	6.6	12
240	Ferroelectricity and antiferromagnetism in organic/inorganic hybrid (1,4-bis(imidazol-1-ylmethyl)benzene)CuCl4·H2O. <i>CrystEngComm</i> , 2020 , 22, 587-592	3.3	5
239	Band gap narrowing and magnetic properties of transition-metal-doped Ba0.85Ca0.15Ti0.9Zr0.1O3 lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2491-2498	3.8	6
238	Recent Progress in Two-Dimensional Ferroelectric Materials. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900818	6.1	99
237	Importance of Interfacial Passivation in the High Efficiency of Sb2Se3 Thin-Film Solar Cells: Numerical Evidence. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10415-10422	6.1	6

236	Effects of SF decomposition components and concentrations on the discharge faults and insulation defects in GIS equipment. <i>Scientific Reports</i> , 2020 , 10, 15039	4.9	2
235	A Universal Method to Enhance Flexibility and Stability of Organic Solar Cells by Constructing Insulating Matrices in Active Layers. <i>Advanced Functional Materials</i> , 2020 , 30, 2003654	15.6	63
234	Nanometer-Thick Metastable Zinc Blende EMnTe Single-Crystalline Films for High-Performance Ultraviolet and Broadband Photodetectors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 12046-12054	5.6	2
233	New Pressure Stabilization Structure in Two-Dimensional PtSe. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7342-7349	6.4	5
232	Highly Sensitive InSb Nanosheets Infrared Photodetector Passivated by Ferroelectric Polymer. <i>Advanced Functional Materials</i> , 2020 , 30, 2006156	15.6	15
231	Ferroelectric-Modulated MoS Field-Effect Transistors as Multilevel Nonvolatile Memory. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44902-44911	9.5	6
230	A versatile photodetector assisted by photovoltaic and bolometric effects. <i>Light: Science and Applications</i> , 2020 , 9, 160	16.7	24
229	Modification of Back Contact in CuZnSnS Solar Cell by Inserting Al-Doped ZnO Intermediate Layer. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 58060-58071	9.5	20
228	Graphene oxide-FeO nanocomposite magnetic solid phase extraction followed by UHPLC-MS/MS for highly sensitive determination of eight psychoactive drugs in urine samples. <i>Talanta</i> , 2020 , 206, 120212	6.3	37
227	Structural phase transition, optical bandgap, interband electronic transition, and improved magnetism in bivalent Ca-, Sr-, Pb-, and Ba-doped BiFeO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8464-8471	2.1	4
226	Superior and Reversible Lithium Storage of SnO/Graphene Composites by Silicon Doping and Carbon Sealing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20824-20837	9.5	17
225	InN superconducting phase transition. <i>Scientific Reports</i> , 2019 , 9, 12309	4.9	1
224	Multimode Signal Processor Unit Based on the Ambipolar WSe-Cr Schottky Junction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 38895-38901	9.5	1
223	Tuning the Crystal Structure and Luminescence of Pyrrolidinium Manganese Halides via Halide Ions. <i>Crystal Research and Technology</i> , 2019 , 54, 1800236	1.3	18
222	Current-controlled negative differential resistance in small-polaron hopping system. <i>AIP Advances</i> , 2019 , 9, 055223	1.5	
221	Ultrasensitive Hybrid MoS-ZnCdSe Quantum Dot Photodetectors with High Gain. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23667-23672	9.5	40
220	Multimechanism Synergistic Photodetectors with Ultrabroad Spectrum Response from 375 nm to 10 μm . <i>Advanced Science</i> , 2019 , 6, 1901050	13.6	32
219	Efficient and Hole-Transporting-Layer-Free CsPbI ₂ Br Planar Heterojunction Perovskite Solar Cells through Rubidium Passivation. <i>ChemSusChem</i> , 2019 , 12, 960-960	8.3	1

218	Structure-Property Relationships in Graphene-Based Strain and Pressure Sensors for Potential Artificial Intelligence Applications. <i>Sensors</i> , 2019 , 19,	3.8	36
217	Random Lasing in ZnO Nanopowders Based on Multiphoton Absorption for Ultrafast Upconversion Application. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1909-1919	5.6	9
216	Reliable Mobility Evaluation of Organic Field-Effect Transistors With Different Contact Metals. <i>IEEE Electron Device Letters</i> , 2019 , 40, 605-608	4.4	9
215	Ultrabroad-Spectrum Photodetectors: Multimechanism Synergistic Photodetectors with Ultrabroad Spectrum Response from 375 nm to 10 μ m (Adv. Sci. 15/2019). <i>Advanced Science</i> , 2019 , 6, 1970089	13.6	1
214	Origin of Photocatalytic Activity in Ti4+/Ti3+ Core-Shell Titanium Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20949-20959	3.8	12
213	Ultra-wide temperature electronic synapses based on self-rectifying ferroelectric memristors. <i>Nanotechnology</i> , 2019 , 30, 464001	3.4	10
212	Exploring lattice symmetry evolution with discontinuous phase transition by Raman scattering criteria: The single-crystalline (K,Na)NbO3 model system. <i>Physical Review B</i> , 2019 , 100,	3.3	7
211	Efficient two-terminal artificial synapse based on a network of functionalized conducting polymer nanowires. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9933-9938	7.1	18
210	Understanding Thickness-Dependent Electrical Characteristics in Conjugated Polymer Transistors With Top-Gate Staggered Structure. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 2723-2728	2.9	10
209	5.91%-efficient Sb2Se3 solar cells with a radio-frequency magnetron-sputtered CdS buffer layer. <i>Applied Materials Today</i> , 2019 , 16, 367-374	6.6	27
208	Self-assembly of a lateral quasi-Ohmic CuInSe2/InSe isotype heterojunction for flexible devices by pulsed laser deposition. <i>Applied Physics Letters</i> , 2019 , 115, 162104	3.4	5
207	Probing Effective Out-of-Plane Piezoelectricity in van der Waals Layered Materials Induced by Flexoelectricity. <i>Small</i> , 2019 , 15, e1903106	11	16
206	Large-Scale Growth and Field-Effect Transistors Electrical Engineering of Atomic-Layer SnS. <i>Small</i> , 2019 , 15, e1904116	11	29
205	A study on ionic gated MoS2 phototransistors. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	7
204	Exploration of a Ca1-x(NaCe)x/2Bi4Ti3.98(WNb)0.01O15 ceramic intermediate phase by temperature-dependent spectroscopic ellipsometry and Raman scattering. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019 , 37, 061211	1.3	
203	2D Materials: Probing Effective Out-of-Plane Piezoelectricity in van der Waals Layered Materials Induced by Flexoelectricity (Small 46/2019). <i>Small</i> , 2019 , 15, 1970250	11	
202	Composition Dependence of Optical Properties and Band Structures in p-Type Ni-Doped CuO Films: Spectroscopic Experiment and First-Principles Calculation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27165-27171	3.8	9
201	Structure dependence of ferroelectricity in high quality BiMnO3 epitaxial films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4

200	Dual-Mode Sensor and Actuator to Learn Human-Hand Tracking and Grasping. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 5407-5410	2.9	13
199	Origin of Band-Tail and Deep-Donor States in CuZnSnS Solar Cells and Their Suppression through Sn-Poor Composition. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 7929-7936	6.4	40
198	Decoding Phases of Matter by Machine-Learning Raman Spectroscopy. <i>Physical Review Applied</i> , 2019 , 12,	4.3	11
197	Sodium citrate doped polypyrrole/PS glass capillary tube sensor for ultra-small volume HCl gas detection.. <i>RSC Advances</i> , 2019 , 9, 36351-36357	3.7	3
196	Efficient and Hole-Transporting-Layer-Free CsPbI ₃ Br Planar Heterojunction Perovskite Solar Cells through Rubidium Passivation. <i>ChemSusChem</i> , 2019 , 12, 983-989	8.3	64
195	A Robust Artificial Synapse Based on Organic Ferroelectric Polymer. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800600	6.4	81
194	Ferroelectric Synapses: A Robust Artificial Synapse Based on Organic Ferroelectric Polymer (Adv. Electron. Mater. 1/2019). <i>Advanced Electronic Materials</i> , 2019 , 5, 1970006	6.4	0
193	Optoelectronics: High-Performance Photovoltaic Detector Based on MoTe ₂ /MoS ₂ Van der Waals Heterostructure (Small 9/2018). <i>Small</i> , 2018 , 14, 1870038	11	5
192	Interface Modification for Planar Perovskite Solar Cell Using Room-Temperature Deposited Nb ₂ O ₅ as Electron Transportation Layer. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2000-2006	6.1	32
191	High-Performance Photovoltaic Detector Based on MoTe ₂ /MoS ₂ Van der Waals Heterostructure. <i>Small</i> , 2018 , 14, 1703293	11	132
190	Lattice dynamics, phase transition, and tunable fundamental band gap of photovoltaic (K,Ba)(Ni,Nb)O ₃ ceramics from spectral measurements and first-principles calculations. <i>Physical Review B</i> , 2018 , 97,	3.3	7
189	Spatial and Frequency Selective Plasmonic Metasurface for Long Wavelength Infrared Spectral Region. <i>Advanced Optical Materials</i> , 2018 , 6, 1800337	8.1	14
188	Electrically induced 2D half-metallic antiferromagnets and spin field effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8511-8516	11.5	87
187	Investigation of electrically-active defects in Sb ₂ Se ₃ thin-film solar cells with up to 5.91% efficiency via admittance spectroscopy. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 186, 324-329	6.4	45
186	Thermal oxidation-resistant GeO ₂ ATR hollow waveguide based on NiCr capillary tube and its thermal effects. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	
185	Controllable interlayer space effects of layered potassium triniobate nanoflakes on enhanced pH dependent adsorption-photocatalysis behaviors. <i>Scientific Reports</i> , 2018 , 8, 6616	4.9	7
184	Manipulating Behaviors from Heavy Tungsten Doping on Interband Electronic Transition and Orbital Structure Variation of Vanadium Dioxide Films. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30548-30557	9.5	13
183	Ferroelectric Negative Capacitance Field Effect Transistor. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800281	11.4	64

182	Leakage mechanisms of double-perovskite Bi ₂ FeMnO ₆ epitaxial thin films. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045304	3	4
181	Field Effect Transistors: Ferroelectric Negative Capacitance Field Effect Transistor (Adv. Electron. Mater. 11/2018). <i>Advanced Electronic Materials</i> , 2018 , 4, 1870051	6.4	2
180	High-performance lead-free two-dimensional perovskite photo transistors assisted by ferroelectric dielectrics. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12714-12720	7.1	25
179	An 8.7% efficiency co-electrodeposited Cu ₂ ZnSnS ₄ photovoltaic device fabricated via a pressurized post-sulfurization process. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13275-13282	7.1	26
178	Difference analysis model for the mismatch effect and substrate-induced lattice deformation in atomically thin materials. <i>Physical Review B</i> , 2018 , 98,	3.3	5
177	Sensitive determination of nine anticoagulant rodenticides in blood by high resolution mass spectrometry with supported liquid extraction pretreatment. <i>Forensic Science International</i> , 2018 , 292, 39-44	2.6	11
176	Metallic hollow waveguide based on GeO ₂ /NaOH precursor solution for transmission of CO ₂ laser radiations. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	1
175	High Mobilities in Layered InSe Transistors with Indium-Encapsulation-Induced Surface Charge Doping. <i>Advanced Materials</i> , 2018 , 30, e1803690	24	76
174	Picosecond Random Lasing Based on Three-Photon Absorption in Organometallic Halide CH ₃ NH ₃ PbBr ₃ Perovskite Thin Films. <i>ACS Photonics</i> , 2018 , 5, 2951-2959	6.3	32
173	Full three-dimensional morphology evolution of amorphous thin films for atomic layer deposition. <i>AIP Advances</i> , 2018 , 8, 045304	1.5	7
172	Simultaneous determination of nine anticoagulant rodenticides by ultra-performance liquid chromatography-tandem mass spectrometry with ultrasound-assisted low-density solvent dispersive liquid-liquid microextraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1092, 453-458	3.2	7
171	Superior adsorption and photoinduced carries transfer behaviors of dandelion-shaped BiS@MoS: experiments and theory. <i>Scientific Reports</i> , 2017 , 7, 42484	4.9	45
170	The preparation, and structural and multiferroic properties of B-site ordered double-perovskite Bi ₂ FeMnO ₆ . <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5494-5500	7.1	19
169	Tuning Coupling Behavior of Stacked Heterostructures Based on MoS, WS, and WSe. <i>Scientific Reports</i> , 2017 , 7, 44712	4.9	43
168	Electronic transitions of the transparent delafossite-type CuGa _{1-x} Cr _x O ₂ system: first-principles calculations and temperature-dependent spectral experiments. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 183-191	7.1	11
167	Structural, ferromagnetic and optical properties of pure bismuth A-site polar perovskite Bi(Mg _{3/8} Fe _{2/8} Ti _{3/8})O ₃ synthesized at ambient pressure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 934-938	2.1	1
166	Optical Manipulation of Rashba Spin-Orbit Coupling at SrTiO-Based Oxide Interfaces. <i>Nano Letters</i> , 2017 , 17, 6534-6539	11.5	17
165	Two-dimensional negative capacitance transistor with polyvinylidene fluoride-based ferroelectric polymer gating. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	57

164	Copper ferrites@reduced graphene oxide anode materials for advanced lithium storage applications. <i>Scientific Reports</i> , 2017 , 7, 8903	4.9	51
163	Electrical and optical properties of a kind of ferroelectric oxide films comprising of PbZr _{0.4} Ti _{0.6} O ₃ stacks. <i>Journal of Applied Physics</i> , 2017 , 122, 024102	2.5	1
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