

Feng Yan

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.

691 papers	32,248 citations	90 h-index	148 g-index
737 ext. papers	38,589 ext. citations	8.4 avg, IF	7.98 L-index

#	Paper	IF	Citations
691	Amine-functionalized nano-Al ₂ O ₃ adsorbent for CO ₂ separation from biogas: Efficient CO ₂ uptake and high anti-urea stability. <i>Journal of Cleaner Production</i> , 2022 , 332, 130078	10.3	2
690	Emission levels and phase distributions of PCDD/Fs in a full-scale municipal solid waste incinerator: The impact of wet scrubber system. <i>Journal of Cleaner Production</i> , 2022 , 337, 130468	10.3	1
689	A DNA-functionalized graphene field-effect transistor for quantitation of vascular endothelial growth factor. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130964	8.5	2
688	High-density sulfonic acid-grafted covalent organic frameworks with efficient anhydrous proton conduction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 6499-6507	13	4
687	Switchable Adhesion: On-Demand Bonding and Debonding.. <i>Advanced Science</i> , 2022 , e2200264	13.6	4
686	Ti ₃ C ₂ T _x MXene/Ge 2D/3D van der Waals heterostructures as highly efficient and fast response near-infrared photodetectors. <i>Applied Physics Letters</i> , 2022 , 120, 141103	3.4	2
685	ATP6AP2 knockdown in cardiomyocyte deteriorates heart function via compromising autophagic flux and NLRP3 inflammasome activation.. <i>Cell Death Discovery</i> , 2022 , 8, 161	6.9	0
684	Metal-organic framework interface engineering for highly efficient oxygen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 148-157	9.3	0
683	Highly Semitransparent Indoor Nonfullerene Organic Solar Cells Based on Benzodithiophene-Bridged Porphyrin Dimers. <i>Energy Technology</i> , 2022 , 10, 2100908	3.5	2
682	High Open Circuit Voltage Over 1V Achieved in Tin-Based Perovskite Solar Cells with a 2D/3D Vertical Heterojunction.. <i>Advanced Science</i> , 2022 , e2200242	13.6	9
681	Realizing 17.5% Efficiency Flexible Organic Solar Cells via Atomic-Level Chemical Welding of Silver Nanowire Electrodes.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	15
680	Recyclable, Healable, and Tough Ionogels Insensitive to Crack Propagation.. <i>Advanced Materials</i> , 2022 , e2203049	24	7
679	Applications of Organic Electrochemical Transistors in Flexible Bioelectronics 2022 , 1-1		0
678	Flexible/Stretchable Biosensors and Bioinspired Biosensors 2022 , 247-283		
677	Association of adiposity with diabetes: A national research among Chinese adults. <i>Diabetes/Metabolism Research and Reviews</i> , 2021 , 37, e3380	7.5	2
676	Moisture-Wicking, Breathable, and Intrinsically Antibacterial Electronic Skin Based on Dual-Gradient Poly(ionic liquid) Nanofiber Membranes. <i>Advanced Materials</i> , 2021 , 34, e2106570	24	26
675	The effect of soil amendment derived from P-enhanced sludge pyrochar on ryegrass growth and soil microbial diversity.. <i>Science of the Total Environment</i> , 2021 , 813, 152526	10.2	0

674	Ultrasensitive Detection of Ribonucleic Acid Biomarkers Using Portable Sensing Platforms Based on Organic Electrochemical Transistors. <i>Analytical Chemistry</i> , 2021 , 93, 14359-14364	7.8	6
673	Conductive CuCo-Based Bimetal Organic Framework for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2021 , 33, e2106781	24	21
672	TREM1 Regulates Neuroinflammatory Injury by Modulate Proinflammatory Subtype Transition of Microglia and Formation of Neutrophil Extracellular Traps Interaction With SYK in Experimental Subarachnoid Hemorrhage. <i>Frontiers in Immunology</i> , 2021 , 12, 766178	8.4	0
671	Effective Plug-Ins for Reducing Inference-Latency of Spiking Convolutional Neural Networks During Inference Phase. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 697469	3.5	
670	Flexible perovskite solar cells: Materials and devices. <i>Journal of Semiconductors</i> , 2021 , 42, 101606	2.3	1
669	High-performance tin-lead mixed perovskite solar cells with vertical compositional gradient. <i>Advanced Materials</i> , 2021 , e2107729	24	33
668	Efficient one-pot synthesis of ethyl levulinate from carbohydrates catalyzed by Wells-Dawson heteropolyacid supported on CeBi pillared montmorillonite. <i>Journal of Cleaner Production</i> , 2021 , 324, 129276	10.3	1
667	Ionization potential-based design of deep eutectic solvent for recycling of spent lithium ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 133200	14.7	5
666	Trap-Assisted Charge Storage in Titania Nanocrystals toward Optoelectronic Nonvolatile Memory. <i>Nano Letters</i> , 2021 , 21, 723-730	11.5	7
665	Wogonin Accelerates Hematoma Clearance and Improves Neurological Outcome via the PPAR- γ Pathway After Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2021 , 12, 660-675	7.8	20
664	2D materials for conducting holes from grain boundaries in perovskite solar cells. <i>Light: Science and Applications</i> , 2021 , 10, 68	16.7	26
663	Hydrodynamic and Energy Capture Properties of a Cylindrical Triboelectric Nanogenerator for Ocean Buoy. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3076	2.6	1
662	A Superstrong and Reversible Ionic Crystal-Based Adhesive Inspired by Ice Adhesion. <i>Angewandte Chemie</i> , 2021 , 133, 9030-9041	3.6	5
661	Biogas Upgrading via Cyclic CO Adsorption: Application of Highly Regenerable PEI@nano-AlO Adsorbents with Anti-Urea Properties. <i>Environmental Science & Technology</i> , 2021 , 55, 5236-5247	10.3	12
660	Robust and High-Temperature-Resistant Nanofiber Membrane Separators for Li-Metal, Li-Sulfur, and Aqueous Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16289-16299	9.5	11
659	MiR-29a Knockout Aggravates Neurological Damage by Pre-polarizing M1 Microglia in Experimental Rat Models of Acute Stroke. <i>Frontiers in Genetics</i> , 2021 , 12, 642079	4.5	2
658	In-situ observation of trapped carriers in organic metal halide perovskite films with ultra-fast temporal and ultra-high energetic resolutions. <i>Nature Communications</i> , 2021 , 12, 1636	17.4	3
657	A Superstrong and Reversible Ionic Crystal-Based Adhesive Inspired by Ice Adhesion. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8948-8959	16.4	25

656	2D WSe Flakes for Synergistic Modulation of Grain Growth and Charge Transfer in Tin-Based Perovskite Solar Cells. <i>Advanced Science</i> , 2021 , 8, e2004315	13.6	15
655	Poly(ionic liquid)/Ce-Based Antimicrobial Nanofibrous Membrane for Blocking Drug-Resistance Dissemination from MRSA-Infected Wounds. <i>Advanced Functional Materials</i> , 2021 , 31, 2100336	15.6	10
654	Inhibition of NADPH oxidase 4 attenuates lymphangiogenesis and tumor metastasis in breast cancer. <i>FASEB Journal</i> , 2021 , 35, e21531	0.9	3
653	Error analysis of initial phase estimation for X-ray pulsar navigation system. <i>Modern Physics Letters B</i> , 2021 , 35, 2150287	1.6	
652	A patterned titania nanorod array enables high fill factor in perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2021 , 63, 391-391	12	
651	Neutrophil Extracellular Traps may be a Potential Target for Treating Early Brain Injury in Subarachnoid Hemorrhage. <i>Translational Stroke Research</i> , 2021 , 1	7.8	11
650	Stroke-unit care for stroke patients in China: the results from Bigdata Observatory platform for Stroke of China. <i>Journal of Neurology</i> , 2021 , 268, 4213-4220	5.5	3
649	Gut Microbiota Dysbiosis Induced by Intracerebral Hemorrhage Aggravates Neuroinflammation in Mice. <i>Frontiers in Microbiology</i> , 2021 , 12, 647304	5.7	14
648	Association of adiposity indicators with hypertension among Chinese adults. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 1391-1400	4.5	3
647	Yes-Associated Protein is Involved in Myocardial Fibrosis in Rats with Diabetic Cardiomyopathy. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021 , 14, 2133-2143	3.4	
646	Shape- and Color-Switchable Polyurethane Thermochromic Actuators Based on Metal-Containing Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28878-28888	9.5	1
645	Acridine-Based Covalent Organic Framework Photosensitizer with Broad-Spectrum Light Absorption for Antibacterial Photocatalytic Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100775 ^{10.1}		8
644	Low-temperature and effective ex situ group V doping for efficient polycrystalline CdSeTe solar cells. <i>Nature Energy</i> , 2021 , 6, 715-722	62.3	6
643	Pharmacological Activation of RXR- β Promotes Hematoma Absorption via a PPAR- δ -Dependent Pathway After Intracerebral Hemorrhage. <i>Neuroscience Bulletin</i> , 2021 , 37, 1412-1426	4.3	1
642	White Matter Injury After Intracerebral Hemorrhage. <i>Frontiers in Neurology</i> , 2021 , 12, 562090	4.1	11
641	Highly Conductive and Dimensionally Stable Anion Exchange Membranes Based on Poly(dimethoxybenzene-co-methyl 4-formylbenzoate) Ionomers. <i>Macromolecules</i> , 2021 , 54, 5557-5566	5.5	3
640	Monose-modified organic electrochemical transistors for cell surface glycan analysis via competitive recognition to enzyme-labeled lectin. <i>Mikrochimica Acta</i> , 2021 , 188, 252	5.8	1
639	EConjugated zwitterion for dual-interfacial modification in high-performance perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021 , 416, 129153	14.7	0

638	Stroke prevention and control system in China: CSPPC-Stroke Program. <i>International Journal of Stroke</i> , 2021 , 16, 265-272	6.3	59
637	High-Performance Quasi-2D Perovskite/Single-Walled Carbon Nanotube Phototransistors for Low-Cost and Sensitive Broadband Photodetection. <i>Small Structures</i> , 2021 , 2, 2000084	8.7	13
636	Alkaline stable pyrrolidinium-type main-chain polymer: The synergetic effect between adjacent cations. <i>Journal of Membrane Science</i> , 2021 , 618, 118689	9.6	5
635	A facile strategy for quantitative sensing of glycans on cell surface using organic electrochemical transistors. <i>Biosensors and Bioelectronics</i> , 2021 , 175, 112878	11.8	10
634	Recent Progress in Short- to Long-Wave Infrared Photodetection Using 2D Materials and Heterostructures. <i>Advanced Optical Materials</i> , 2021 , 9, 2001708	8.1	59
633	Mutant erythropoietin enhances white matter repair via the JAK2/STAT3 and C/EBP β pathway in middle-aged mice following cerebral ischemia and reperfusion. <i>Experimental Neurology</i> , 2021 , 337, 113553	5.7	4
632	Highly efficient and stable PEI@Al ₂ O ₃ adsorbents derived from coal fly ash for biogas upgrading. <i>Chemical Engineering Journal</i> , 2021 , 409, 128117	14.7	11
631	Flexible cationic side chains for enhancing the hydroxide ion conductivity of olefinic-type copolymer-based anion exchange membranes: An experimental and theoretical study. <i>Journal of Membrane Science</i> , 2021 , 620, 118794	9.6	12
630	Flexible Electrochemical Biosensors for Health Monitoring. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 53-67	4	27
629	Highly sensitive detection of caspase-3 activity based on peptide-modified organic electrochemical transistor biosensors. <i>Nanoscale</i> , 2021 , 13, 2868-2874	7.7	6
628	Ethylenedioxythiophene incorporated diketopyrrolopyrrole conjugated polymers for high-performance organic electrochemical transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4260-4266	7.1	7
627	Induction of muscle-regenerative multipotent stem cells from human adipocytes by PDGF-AB and 5-azacytidine. <i>Science Advances</i> , 2021 , 7,	14.3	1
626	Recent progress in tin-based perovskite solar cells. <i>Energy and Environmental Science</i> , 2021 , 14, 1286-1325	15.4	88
625	T-ALL can evolve to oncogene independence. <i>Leukemia</i> , 2021 , 35, 2205-2219	10.7	2
624	Selective Ferroptosis Inhibitor Liproxstatin-1 Attenuates Neurological Deficits and Neuroinflammation After Subarachnoid Hemorrhage. <i>Neuroscience Bulletin</i> , 2021 , 37, 535-549	4.3	20
623	The Infratentorial Localization of Brain Metastases May Correlate with Specific Clinical Characteristics and Portend Worse Outcomes Based on Voxel-Wise Mapping. <i>Cancers</i> , 2021 , 13,	6.6	3
622	Synergistic effects of the zinc acetate additive on the performance enhancement of Sn-based perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1995-2000	7.8	2
621	Metal-organic framework transistors for dopamine sensing. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3422-3427	7.4	9

620	Thin-film transistors for emerging neuromorphic electronics: fundamentals, materials, and pattern recognition. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11464-11483	7.1	8
619	A recent overview of porphyrin-based Extended small molecules as donors and acceptors for high-performance organic solar cells. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 7119-7133	7.8	6
618	Loss of Wip1 aggravates brain injury after ischaemia/reperfusion by overactivating microglia. <i>Stroke and Vascular Neurology</i> , 2021 , 6, 344-351	9.1	1
617	Instrumentational implementation for parallelized nanopore electrochemical measurements. <i>Analyst, The</i> , 2021 , 146, 4111-4120	5	5
616	Enhanced and environment-friendly chemical looping gasification of crop straw using red mud as a sinter-resistant oxygen carrier. <i>Waste Management</i> , 2021 , 121, 354-364	8.6	15
615	Electric-Field-Induced Gradient Ionogels for Highly Sensitive, Broad-Range-Response, and Freeze/Heat-Resistant Ionic Fingers. <i>Advanced Materials</i> , 2021 , 33, e2008486	24	40
614	Activation of Nurr1 with Amodiaquine Protected Neuron and Alleviated Neuroinflammation after Subarachnoid Hemorrhage in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1-15	6.7	1
613	Inhibition of Dectin-1 Ameliorates Neuroinflammation by Regulating Microglia/Macrophage Phenotype After Intracerebral Hemorrhage in Mice. <i>Translational Stroke Research</i> , 2021 , 12, 1018-1034	7.8	11
612	AXL kinase-mediated astrocytic phagocytosis modulates outcomes of traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2021 , 18, 154	10.1	1
611	Ionic Liquid Electrolyte-Based Switchable Mirror with Fast Response and Improved Durability. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37339-37349	9.5	3
610	Fast Photothermoelectric Response in CVD-Grown PdSe ₂ Photodetectors with In-Plane Anisotropy. <i>Advanced Functional Materials</i> , 2021 , 31, 2104787	15.6	16
609	Interaction Regulation Between Ionomer Binder and Catalyst: Active Triple-Phase Boundary and High Performance Catalyst Layer for Anion Exchange Membrane Fuel Cells. <i>Advanced Science</i> , 2021 , 8, e2101744	13.6	5
608	FA/MA Cation Exchange for Efficient and Reproducible Tin-Based Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40656-40663	9.5	7
607	Recent progress of flexible perovskite solar cells. <i>Nano Today</i> , 2021 , 39, 101155	17.9	22
606	Inhibition of P2X ₄ R attenuates white matter injury in mice after intracerebral hemorrhage by regulating microglial phenotypes. <i>Journal of Neuroinflammation</i> , 2021 , 18, 184	10.1	5
605	Graded bulk-heterojunction enables 17% binary organic solar cells via nonhalogenated open air coating. <i>Nature Communications</i> , 2021 , 12, 4815	17.4	28
604	Process tracing and partitioning behaviors of PCDD/Fs in the post-combustion zone from a full-scale municipal solid waste incinerator in southern China. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101789	7	0
603	Efficient conversion of carbohydrates and biomass into furan compounds by chitin/Ag co-modified H3PW ₁₂ O ₄₀ catalysts. <i>Journal of Cleaner Production</i> , 2021 , 316, 128243	10.3	5

602	Autophagy protein NRBF2 attenuates endoplasmic reticulum stress-associated neuroinflammation and oxidative stress via promoting autophagosome maturation by interacting with Rab7 after SAH. <i>Journal of Neuroinflammation</i> , 2021 , 18, 210	10.1	0
601	CO ₂ Ionized Poly(vinyl alcohol) Electrolyte for CO ₂ -Tolerant Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2102047	21.8	7
600	Tungstophosphoric acid supported on metal/Si-pillared montmorillonite for conversion of biomass-derived carbohydrates into methyl levulinate. <i>Journal of Cleaner Production</i> , 2021 , 314, 128072	10.3	3
599	Ultrafast, sensitive, and portable detection of COVID-19 IgG using flexible organic electrochemical transistors. <i>Science Advances</i> , 2021 , 7, eabg8387	14.3	30
598	Solution-processed NiO x nanoparticles with a wide pH window as an efficient hole transport material for high performance tin-based perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 144002	3	2
597	The Rates and the Determinants of Hypertension According to the 2017 Definition of Hypertension by ACC/AHA and 2014 Evidence-Based Guidelines Among Population Aged ≥40 Years Old. <i>Global Heart</i> , 2021 , 16, 34	2.9	0
596	A green synthesis of PEI@nano-SiO ₂ adsorbent from coal fly ash: selective and efficient CO ₂ adsorption from biogas. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 1014-1025	5.8	3
595	Machine learning analysis and prediction models of alkaline anion exchange membranes for fuel cells. <i>Energy and Environmental Science</i> , 2021 , 14, 3965-3975	35.4	8
594	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2102141	21.8	13
593	Cross-sectoral synergy between municipal wastewater treatment, cement manufacture and petrochemical synthesis via clean transformation of sewage sludge. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 6274-6282	5.8	1
592	CuSCN as the Back Contact for Efficient ZMO/CdTe Solar Cells. <i>Materials</i> , 2020 , 13,	3.5	2
591	Extended Spiro Core-Based Nonfullerene Electron-Transporting Material for High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2001073	15.6	10
590	High-dimensional analyses reveal a distinct role of T-cell subsets in the immune microenvironment of gastric cancer. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1127	6.8	11
589	A 9-gene score for risk stratification in B-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2020 , 34, 3070-3074	4.7	2
588	Highly efficient conversion of cellulose into 5-hydroxymethylfurfural using temperature-responsive ChnH ₅ -nCeW ₁₂ O ₄₀ (n = 18) catalysts. <i>Chemical Engineering Journal</i> , 2020 , 396, 125282	14.7	17
587	miR-330 regulates Drp-1 mediated mitophagy by targeting PGAM5 in a rat model of permanent focal cerebral ischemia. <i>European Journal of Pharmacology</i> , 2020 , 880, 173143	5.3	6
586	Gradient 2D/3D Perovskite Films Prepared by Hot-Casting for Sensitive Photodetectors. <i>Advanced Science</i> , 2020 , 7, 2000776	13.6	23
585	Stimulator of IFN genes mediates neuroinflammatory injury by suppressing AMPK signal in experimental subarachnoid hemorrhage. <i>Journal of Neuroinflammation</i> , 2020 , 17, 165	10.1	25

584	TREM2 activation attenuates neuroinflammation and neuronal apoptosis via PI3K/Akt pathway after intracerebral hemorrhage in mice. <i>Journal of Neuroinflammation</i> , 2020 , 17, 168	10.1	48
583	Numerical and Experimental Investigation on a Moonpool-Buoy Wave Energy Converter. <i>Energies</i> , 2020 , 13, 2364	3.1	2
582	Microstructural heterogeneity and mechanical anisotropy of 18Ni-330 maraging steel fabricated by selective laser melting: The effect of build orientation and height. <i>Journal of Materials Research</i> , 2020 , 35, 2065-2076	2.5	12
581	ZIF-8@Poly(ionic liquid)-Grafted Cotton Cloth for Switchable Water/Oil Emulsion Separation. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3433-3439	4.3	5
580	Plasmonic and Superhydrophobic Self-Decontaminating N95 Respirators. <i>ACS Nano</i> , 2020 , 14, 8846-8854	6.7	46
579	Naringenin reduces early brain injury in subarachnoid hemorrhage (SAH) mice: The role of the AMPK/SIRT3 signaling pathway. <i>Journal of Functional Foods</i> , 2020 , 72, 104043	5.1	2
578	Electron Transport Materials: Extended Spiro Core-Based Nonfullerene Electron-Transporting Material for High-Performance Perovskite Solar Cells (Adv. Funct. Mater. 25/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070163	15.6	
577	Polarization-Independent Indium Phosphide Nanowire Photodetectors. <i>Advanced Optical Materials</i> , 2020 , 8, 2000514	8.1	3
576	A General Wet Transferring Approach for Diffusion-Facilitated Space-Confined Grown Perovskite Single-Crystalline Optoelectronic Thin Films. <i>Nano Letters</i> , 2020 , 20, 2747-2755	11.5	12
575	Insulating Polymers for Enhancing the Efficiency of Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000013	7.1	10
574	Flexible Electrochromic Zn Mirrors Based on Zn/Viologen Hybrid Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5050-5055	8.3	14
573	Selective intra-arterial brain cooling improves long-term outcomes in a non-human primate model of embolic stroke: Efficacy depending on reperfusion status. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1415-1426	7.3	15
572	Reducing Agents for Improving the Stability of Sn-based Perovskite Solar Cells. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1524-1535	4.5	21
571	Lead-Free Perovskite/Organic Semiconductor Vertical Heterojunction for Highly Sensitive Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18769-18776	9.5	16
570	Electrode Humidification Design for Artifact Reduction in Capacitive ECG Measurements. <i>Sensors</i> , 2020 , 20,	3.8	5
569	Poly(ionic liquid)-Based Conductive Interlayer as an Efficient Polysulfide Adsorbent for a Highly Stable Lithium-Sulfur Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11396-11403	8.3	16
568	Gaining Insight into the Effect of Organic Interface Layer on Suppressing Ion Migration Induced Interfacial Degradation in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 2000837	15.6	17
567	Direct observation of chemical origins in crystalline (Ni _{0.5} Co _{0.5}) ₂ B oxygen evolution electrocatalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 2165-2172	5.5	4

566	An Interference Suppression Method for Non-Contact Bioelectric Acquisition. <i>Electronics (Switzerland)</i> , 2020 , 9, 293	2.6	2
565	Prevalence and risk factors associated with stroke in China: A nationwide survey of 726,451 adults. <i>European Journal of Preventive Cardiology</i> , 2020 , 2047487320902324	3.9	3
564	Novel Recovered Compound Phosphate Fertilizer Produced from Sewage Sludge and Its Incinerated Ash. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6611-6621	8.3	12
563	ZincAir Batteries: Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible ZincAir Batteries (Small Methods 1/2020). <i>Small Methods</i> , 2020 , 4, 2070004	12.8	1
562	Electrolyte-gated transistors for synaptic electronics, neuromorphic computing, and adaptable biointerfacing. <i>Applied Physics Reviews</i> , 2020 , 7, 011307	17.3	79
561	Bipyridinium-Based Ionic Covalent Triazine Frameworks for CO, SO, and NO Capture. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8614-8621	9.5	40
560	Long non-coding RNA HOTAIRM1 promotes proliferation and inhibits apoptosis of glioma cells by regulating the miR-873-5p/ZEB2 axis. <i>Chinese Medical Journal</i> , 2020 , 133, 174-182	2.9	15
559	From reads to insight: a hitchhiker's guide to ATAC-seq data analysis. <i>Genome Biology</i> , 2020 , 21, 22	18.3	82
558	Separative extended-gate AlGaAs/GaAs HEMT biosensors based on capacitance change strategy. <i>Applied Physics Letters</i> , 2020 , 116, 123704	3.4	9
557	Green Tea Polyphenol EGCG Attenuates MDSCs-mediated Immunosuppression through Canonical and Non-Canonical Pathways in a 4T1 Murine Breast Cancer Model. <i>Nutrients</i> , 2020 , 12,	6.7	17
556	Reusable and Recyclable Graphene Masks with Outstanding Superhydrophobic and Photothermal Performances. <i>ACS Nano</i> , 2020 , 14, 6213-6221	16.7	179
555	Stroke unit care for ischemic stroke in China: results of a nation-based study. <i>Intensive Care Medicine</i> , 2020 , 46, 1489-1491	14.5	8
554	Highly Air-Stable Tin-Based Perovskite Solar Cells through Grain-Surface Protection by Gallic Acid. <i>ACS Energy Letters</i> , 2020 , 5, 1741-1749	20.1	68
553	Independent Amplitude Control of Arbitrary Orthogonal States of Polarization via Dielectric Metasurfaces. <i>Physical Review Letters</i> , 2020 , 125, 267402	7.4	55
552	Metalens-integrated compact imaging devices for wide-field microscopy. <i>Advanced Photonics</i> , 2020 , 2,	8.1	11
551	Ultraviolet-to-microwave room-temperature photodetectors based on three-dimensional graphene foams. <i>Photonics Research</i> , 2020 , 8, 368	6	16
550	Organic electrochemical transistor arrays for real-time mapping of evoked neurotransmitter release in vivo. <i>ELife</i> , 2020 , 9,	8.9	19
549	Scalable CoreShell MoS ₂ /Sb ₂ Se ₃ Nanorod Array Photocathodes for Enhanced Photoelectrochemical Water Splitting. <i>Solar Rrl</i> , 2020 , 4, 1900442	7.1	16

548	Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc-Air Batteries. <i>Small Methods</i> , 2020 , 4, 1900571	12.8	59
547	Reduction-ammoniacal leaching to recycle lithium, cobalt, and nickel from spent lithium-ion batteries with a hydrothermal method: Effect of reductants and ammonium salts. <i>Waste Management</i> , 2020 , 102, 122-130	8.6	31
546	Poly(ionic liquid) hydrogel-based anti-freezing ionic skin for a soft robotic gripper. <i>Materials Horizons</i> , 2020 , 7, 919-927	14.4	135
545	Imidazolium-based ionic polyurethanes with high toughness, tunable healing efficiency and antibacterial activities. <i>Polymer Chemistry</i> , 2020 , 11, 867-875	4.9	20
544	Synaptotagmin-11 regulates the functions of caveolae and responds to mechanical stimuli in astrocytes. <i>FASEB Journal</i> , 2020 , 34, 2609-2624	0.9	4
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