

List of Publications by Citations

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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	Advanced applications of ionic liquids in polymer science. <i>Progress in Polymer Science</i> , 2009 , 34, 431-448	29.6	885
690	Human hair-derived carbon flakes for electrochemical supercapacitors. <i>Energy and Environmental Science</i> , 2014 , 7, 379-386	35.4	783
689	Organic thin-film transistors for chemical and biological sensing. <i>Advanced Materials</i> , 2012 , 24, 34-51	24	671
688	Frontiers in poly(ionic liquid)s: syntheses and applications. <i>Chemical Society Reviews</i> , 2017 , 46, 1124-1159	38.5	596
687	Infrared photodetectors based on CVD-grown graphene and PbS quantum dots with ultrahigh responsivity. <i>Advanced Materials</i> , 2012 , 24, 5878-83	24	579
686	Photodetectors Based on Two-Dimensional Layered Materials Beyond Graphene. <i>Advanced Functional Materials</i> , 2017 , 27, 1603886	15.6	406
685	Efficient and stable perovskite solar cells prepared in ambient air irrespective of the humidity. <i>Nature Communications</i> , 2016 , 7, 11105	17.4	389
684	Efficient Semitransparent Perovskite Solar Cells with Graphene Electrodes. <i>Advanced Materials</i> , 2015 , 27, 3632-8	24	387
683	Biomedical and clinical applications of immunoassays and immunosensors for tumor markers. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 679-688	14.6	363
682	PEDOT:PSS for Flexible and Stretchable Electronics: Modifications, Strategies, and Applications. <i>Advanced Science</i> , 2019 , 6, 1900813	13.6	295
681	Flexible Organic Electronics in Biology: Materials and Devices. <i>Advanced Materials</i> , 2015 , 27, 7493-527	24	272
680	Recent progress of inorganic perovskite solar cells. <i>Energy and Environmental Science</i> , 2019 , 12, 2375-2405	35.4	271
679	The application of highly doped single-layer graphene as the top electrodes of semitransparent organic solar cells. <i>ACS Nano</i> , 2012 , 6, 810-8	16.7	270
678	Cross-Linked Alkaline Ionic Liquid-Based Polymer Electrolytes for Alkaline Fuel Cell Applications. <i>Chemistry of Materials</i> , 2010 , 22, 6718-6725	9.6	267
677	A highly sensitive ultraviolet sensor based on a facile in situ solution-grown ZnO nanorod/graphene heterostructure. <i>Nanoscale</i> , 2011 , 3, 258-64	7.7	258
676	Photosensitive graphene transistors. <i>Advanced Materials</i> , 2014 , 26, 5239-73	24	247
675	Antioxidant Grain Passivation for Air-Stable Tin-Based Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 806-810	16.4	245

674	Organic electrochemical transistors integrated in flexible microfluidic systems and used for label-free DNA sensing. <i>Advanced Materials</i> , 2011 , 23, 4035-40	24	239
673	Functionalized graphene and other two-dimensional materials for photovoltaic devices: device design and processing. <i>Chemical Society Reviews</i> , 2015 , 44, 5638-79	58.5	238
672	Package-free flexible organic solar cells with graphene top electrodes. <i>Advanced Materials</i> , 2013 , 25, 4296-301	24	229
671	Alkaline Stable C2-Substituted Imidazolium-Based Anion-Exchange Membranes. <i>Chemistry of Materials</i> , 2013 , 25, 1858-1867	9.6	227
670	A Soluble and Conductive Polyfluorene Ionomer with Pendant Imidazolium Groups for Alkaline Fuel Cell Applications. <i>Macromolecules</i> , 2011 , 44, 9642-9649	5.5	224
669	Flexible organic electrochemical transistors for highly selective enzyme biosensors and used for saliva testing. <i>Advanced Materials</i> , 2015 , 27, 676-81	24	216
668	The application of organic electrochemical transistors in cell-based biosensors. <i>Advanced Materials</i> , 2010 , 22, 3655-60	24	211
667	Wafer-Scale Synthesis of High-Quality Semiconducting Two-Dimensional Layered InSe with Broadband Photoresponse. <i>ACS Nano</i> , 2017 , 11, 4225-4236	16.7	207
666	Enhanced efficiency of polymer solar cells by adding a high-mobility conjugated polymer. <i>Energy and Environmental Science</i> , 2015 , 8, 1463-1470	35.4	204
665	Ultrasensitive broadband phototransistors based on perovskite/organic-semiconductor vertical heterojunctions. <i>Light: Science and Applications</i> , 2017 , 6, e17023	16.7	203
664	Highly Sensitive Glucose Biosensors Based on Organic Electrochemical Transistors Using Platinum Gate Electrodes Modified with Enzyme and Nanomaterials. <i>Advanced Functional Materials</i> , 2011 , 21, 2264-2272	15.6	203
663	Solution processable low-voltage organic thin film transistors with high-k relaxor ferroelectric polymer as gate insulator. <i>Advanced Materials</i> , 2012 , 24, 88-93	24	202
662	Thin film field-effect phototransistors from bandgap-tunable, solution-processed, few-layer reduced graphene oxide films. <i>Advanced Materials</i> , 2010 , 22, 4872-6	24	196
661	Flexible Photodetectors Based on Novel Functional Materials. <i>Small</i> , 2017 , 13, 1701822	11	185
660	Reusable and Recyclable Graphene Masks with Outstanding Superhydrophobic and Photothermal Performances. <i>ACS Nano</i> , 2020 , 14, 6213-6221	16.7	179
659	A review of recent developments in hydrogen production via biogas dry reforming. <i>Energy Conversion and Management</i> , 2018 , 171, 133-155	10.6	175
658	Hole-transporting transistors and circuits based on the transparent inorganic semiconductor copper(I) thiocyanate (CuSCN) processed from solution at room temperature. <i>Advanced Materials</i> , 2013 , 25, 1504-9	24	171
657	Highly sensitive dopamine biosensors based on organic electrochemical transistors. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4559-63	11.8	165

656	Structure-Antibacterial Activity Relationships of Imidazolium-Type Ionic Liquid Monomers, Poly(ionic liquids) and Poly(ionic liquid) Membranes: Effect of Alkyl Chain Length and Cations. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12684-92	9.5	164
655	Streptavidin-Functionalized Silver-Nanoparticle-Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. <i>Advanced Functional Materials</i> , 2011 , 21, 2938-2943	15.6	163
654	Alkaline imidazolium- and quaternary ammonium-functionalized anion exchange membranes for alkaline fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1040-1045		161
653	Ion-sensitive properties of organic electrochemical transistors. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1637-41	9.5	161
652	Copper(I) Thiocyanate (CuSCN) Hole-Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thin-Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1701818	15.6	159
651	Ultrathin and flexible perovskite solar cells with graphene transparent electrodes. <i>Nano Energy</i> , 2016 , 28, 151-157	17.1	158
650	High-Performance Hole-Extraction Layer of Solution-Processed NiO Nanocrystals for Inverted Planar Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2014 , 126, 12779-12783	3.6	158
649	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 102-8	11.8	158
648	Solution-Processable Ultrathin Black Phosphorus as an Effective Electron Transport Layer in Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016 , 26, 864-871	15.6	157
647	Emerging Semitransparent Solar Cells: Materials and Device Design. <i>Advanced Materials</i> , 2017 , 29, 1700192	17.4	154
646	Current Status and Opportunities of Organic Thin-Film Transistor Technologies. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 1906-1921	2.9	152
645	Functionalized Organic Thin Film Transistors for Biosensing. <i>Accounts of Chemical Research</i> , 2019 , 52, 277-287	24.3	142
644	MicroRNA-424 protects against focal cerebral ischemia and reperfusion injury in mice by suppressing oxidative stress. <i>Stroke</i> , 2015 , 46, 513-9	6.7	139
643	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
642	An ultra-small NiFeO hollow particle/graphene hybrid: fabrication and electromagnetic wave absorption property. <i>Nanoscale</i> , 2018 , 10, 2697-2703	7.7	133
641	Polyethyleneimine-fluoro silica composites: a low-cost and promising adsorbent for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2166-2175	13	132
640	Highly sensitive glucose sensors based on enzyme-modified whole-graphene solution-gated transistors. <i>Scientific Reports</i> , 2015 , 5, 8311	4.9	131
639	Melatonin-enhanced autophagy protects against neural apoptosis via a mitochondrial pathway in early brain injury following a subarachnoid hemorrhage. <i>Journal of Pineal Research</i> , 2014 , 56, 12-9	10.4	127

638	Perovskite-Based Phototransistors and Hybrid Photodetectors. <i>Advanced Functional Materials</i> , 2020 , 30, 1903907	15.6	127
637	All-Solution-Processed Metal-Oxide-Free Flexible Organic Solar Cells with Over 10% Efficiency. <i>Advanced Materials</i> , 2018 , 30, e1800075	24	127
636	Anion-Exchange Membranes for Alkaline Fuel-Cell Applications: The Effects of Cations. <i>ChemSusChem</i> , 2018 , 11, 58-70	8.3	126
635	High-performance hole-extraction layer of sol-gel-processed NiO nanocrystals for inverted planar perovskite solar cells. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12571-5	16.4	121
634	Highly Stable N3-Substituted Imidazolium-Based Alkaline Anion Exchange Membranes: Experimental Studies and Theoretical Calculations. <i>Macromolecules</i> , 2014 , 47, 208-216	5.5	120
633	Electric field-driven strategy for multiplexed detection of protein biomarkers using a disposable reagentless electrochemical immunosensor array. <i>Analytical Chemistry</i> , 2008 , 80, 6072-7	7.8	120
632	Solution-gated graphene transistors for chemical and biological sensors. <i>Advanced Healthcare Materials</i> , 2014 , 3, 313-31	10.1	116
631	Dithiafulvenyl unit as a new donor for high-efficiency dye-sensitized solar cells: synthesis and demonstration of a family of metal-free organic sensitizers. <i>Organic Letters</i> , 2012 , 14, 2214-7	6.2	116
630	Nitrogen-doped mesoporous carbons originated from ionic liquids as electrode materials for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6373	13	116
629	Solution-Phase Epitaxial Growth of Perovskite Films on 2D Material Flakes for High-Performance Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1807689	24	115
628	An overview of graphene-based hydroxyapatite composites for orthopedic applications. <i>Bioactive Materials</i> , 2018 , 3, 1-18	16.7	115
627	Neutral-Color Semitransparent Organic Solar Cells with All-Graphene Electrodes. <i>ACS Nano</i> , 2015 , 9, 12026-34	16.7	114
626	Ionic liquid-based click-ionogels. <i>Science Advances</i> , 2019 , 5, eaax0648	14.3	113
625	High-Performance Dopamine Sensors Based on Whole-Graphene Solution-Gated Transistors. <i>Advanced Functional Materials</i> , 2014 , 24, 978-985	15.6	112
624	Base Stable Pyrrolidinium Cations for Alkaline Anion Exchange Membrane Applications. <i>Macromolecules</i> , 2014 , 47, 6740-6747	5.5	111
623	Organic phototransistor based on poly(3-hexylthiophene)/TiO ₂ nanoparticle composite. <i>Applied Physics Letters</i> , 2008 , 93, 023310	3.4	111
622	Porous ionic polymers: Design, synthesis, and applications. <i>Progress in Polymer Science</i> , 2018 , 79, 121-143	39.6	111
621	Magnetic functional heterojunction reactors with 3D specific recognition for selective photocatalysis and synergistic photodegradation in binary antibiotic solutions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13986-14000	13	110

620	Highly Sensitive Detection of Protein Biomarkers with Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2017 , 29, 1703787	24	109
619	Organic Semiconductors in Organic Thin-Film Transistor-Based Chemical and Biological Sensors. <i>Polymer Reviews</i> , 2013 , 53, 352-406	14	108
618	Au/Ag core-shell nanocuboids for high-efficiency organic solar cells with broadband plasmonic enhancement. <i>Energy and Environmental Science</i> , 2016 , 9, 898-905	35.4	107
617	The influence of polyethyleneimine type and molecular weight on the CO ₂ capture performance of PEI-nano silica adsorbents. <i>Applied Energy</i> , 2014 , 136, 750-755	10.7	107
616	Organic Flexible Electronics. <i>Small Methods</i> , 2018 , 2, 1800070	12.8	106
615	A disposable multianalyte electrochemical immunosensor array for automated simultaneous determination of tumor markers. <i>Clinical Chemistry</i> , 2007 , 53, 1495-502	5.5	105
614	One-Pot Synthesis and Purification of Ultralong Silver Nanowires for Flexible Transparent Conductive Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25465-25473	9.5	104
613	Transfer-Printed PEDOT:PSS Electrodes Using Mild Acids for High Conductivity and Improved Stability with Application to Flexible Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14029-36	9.5	104
612	Solution-gated graphene field effect transistors integrated in microfluidic systems and used for flow velocity detection. <i>Nano Letters</i> , 2012 , 12, 1404-9	11.5	101
611	Condiment-Derived 3D Architecture Porous Carbon for Electrochemical Supercapacitors. <i>Small</i> , 2015 , 11, 4959-69	11	100
610	Two-dimensional material membranes: an emerging platform for controllable mass transport applications. <i>Small</i> , 2014 , 10, 4521-42	11	98
609	Effects of substituents and substitution positions on alkaline stability of imidazolium cations and their corresponding anion-exchange membranes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4346-55	9.5	98
608	Minocycline Protects Against NLRP3 Inflammasome-Induced Inflammation and P53-Associated Apoptosis in Early Brain Injury After Subarachnoid Hemorrhage. <i>Molecular Neurobiology</i> , 2016 , 53, 2668-78	6.2	96
607	Black Phosphorus Quantum Dots Used for Boosting Light Harvesting in Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13717-13721	16.4	95
606	Intrinsically Antibacterial Poly(ionic liquid) Membranes: The Synergistic Effect of Anions. <i>ACS Macro Letters</i> , 2015 , 4, 1094-1098	6.6	94
605	Self-supported NiMo-based nanowire arrays as bifunctional electrocatalysts for full water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8479-8487	13	94
604	Pine cone shell-based activated carbon used for CO ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5223-5234	13	93
603	Detection of bacteria with organic electrochemical transistors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22072		93

602	Highly selective and sensitive glucose sensors based on organic electrochemical transistors with graphene-modified gate electrodes. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 3820-3829	7.3	92
601	Organic electrochemical transistors with graphene-modified gate electrodes for highly sensitive and selective dopamine sensors. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 191-200	7.3	90
600	Label-free DNA sensor based on organic thin film transistors. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 1241-5	11.8	90
599	Melatonin-mediated mitophagy protects against early brain injury after subarachnoid hemorrhage through inhibition of NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2017 , 7, 2417	4.9	89
598	Regulating infrared photoresponses in reduced graphene oxide phototransistors by defect and atomic structure control. <i>ACS Nano</i> , 2013 , 7, 6310-20	16.7	89
597	Synthesis of Pyrrolidinium-Type Poly(ionic liquid) Membranes for Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10504-10511	9.5	88
596	Perovskite/Poly(3-hexylthiophene)/Graphene Multiheterojunction Phototransistors with Ultrahigh Gain in Broadband Wavelength Region. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1569-1576	9.5	88
595	Influence of side-chain regiochemistry on the transistor performance of high-mobility, all-donor polymers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15154-7	16.4	88
594	N-Type Organic Semiconductors Based on Deficient Pentacenequinones: Synthesis, Electronic Structures, Molecular Packing, and Thin Film Transistors. <i>Chemistry of Materials</i> , 2010 , 22, 6438-6443	9.6	88
593	Recent progress in tin-based perovskite solar cells. <i>Energy and Environmental Science</i> , 2021 , 14, 1286-1325	35.4	88
592	Fabric Organic Electrochemical Transistors for Biosensors. <i>Advanced Materials</i> , 2018 , 30, e1800051	24	86
591	Platinum(II)-bis(aryleneethynylene) complexes for solution-processible molecular bulk heterojunction solar cells. <i>Chemistry - A European Journal</i> , 2012 , 18, 1502-11	4.8	85
590	Rapid-Response, Low Detection Limit, and High-Sensitivity Capacitive Flexible Tactile Sensor Based on Three-Dimensional Porous Dielectric Layer for Wearable Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40716-40725	9.5	84
589	MicroRNA-124-mediated regulation of inhibitory member of apoptosis-stimulating protein of p53 family in experimental stroke. <i>Stroke</i> , 2013 , 44, 1973-80	6.7	84
588	N-Doped graphene-supported Co@CoO core-shell nanoparticles as high-performance bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12046-12053	13	84
587	Ferric citrate-derived N-doped hierarchical porous carbons for oxygen reduction reaction and electrochemical supercapacitors. <i>Carbon</i> , 2017 , 115, 1-10	10.4	83
586	From reads to insight: a hitchhiker's guide to ATAC-seq data analysis. <i>Genome Biology</i> , 2020 , 21, 22	18.3	82
585	Hybrid solar cells based on poly(3-hexylthiophene) and electrospun TiO ₂ nanofibers with effective interface modification. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7366		82

584	The improvement of glucose bioelectrocatalytic properties of platinum electrodes modified with electrospun TiO ₂ nanofibers. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1646-51	11.8	81
583	Thermo- and electro-dual responsive poly(ionic liquid) electrolyte based smart windows. <i>Chemical Communications</i> , 2017 , 53, 1595-1598	5.8	80
582	Melatonin attenuates inflammatory response-induced brain edema in early brain injury following a subarachnoid hemorrhage: a possible role for the regulation of pro-inflammatory cytokines. <i>Journal of Pineal Research</i> , 2014 , 57, 340-7	10.4	80
581	Hybrid Photovoltaic Devices Based on Poly (3-hexylthiophene) and Ordered Electrospun ZnO Nanofibers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6197-6200	3.8	80
580	Recent progress in printable organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 790-808	7.1	79
579	Electrolyte-gated transistors for synaptic electronics, neuromorphic computing, and adaptable biointerfacing. <i>Applied Physics Reviews</i> , 2020 , 7, 011307	17.3	79
578	High-temperature solid-state dye-sensitized solar cells based on organic ionic plastic crystal electrolytes. <i>Advanced Materials</i> , 2012 , 24, 945-50	24	78
577	Study on dielectric and magnetodielectric properties of Lu ₃ Fe ₅ O ₁₂ ceramics. <i>Applied Physics Letters</i> , 2009 , 95, 182903	3.4	78
576	Tunable active edge sites in PtSe ₂ films towards hydrogen evolution reaction. <i>Nano Energy</i> , 2017 , 42, 26-33	17.1	77
575	Calcium-looping reforming of methane realizes in situ CO utilization with improved energy efficiency. <i>Science Advances</i> , 2019 , 5, eaav5077	14.3	77
574	MicroRNA-23a-3p attenuates oxidative stress injury in a mouse model of focal cerebral ischemia-reperfusion. <i>Brain Research</i> , 2014 , 1592, 65-72	3.7	76
573	Gold nanoparticle as an electrochemical label for inherently crosstalk-free multiplexed immunoassay on a disposable chip. <i>Analytica Chimica Acta</i> , 2010 , 666, 97-101	6.6	75
572	Novel amperometric immunosensor for rapid separation-free immunoassay of carcinoembryonic antigen. <i>Journal of Immunological Methods</i> , 2004 , 287, 13-20	2.5	75
571	Ultrafast laser-annealing of perovskite films for efficient perovskite solar cells. <i>Energy and Environmental Science</i> , 2020 , 13, 1187-1196	35.4	75
570	Performance Enhancement of Perovskite Solar Cells Induced by Lead Acetate as an Additive. <i>Solar Rrl</i> , 2018 , 2, 1800066	7.1	74
569	Mdivi-1 ameliorates early brain injury after subarachnoid hemorrhage via the suppression of inflammation-related blood-brain barrier disruption and endoplasmic reticulum stress-based apoptosis. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 336-349	7.8	74
568	The Alkaline Stability of Anion Exchange Membrane for Fuel Cell Applications: The Effects of Alkaline Media. <i>Advanced Science</i> , 2018 , 5, 1800065	13.6	73
567	Sn-Based Perovskite for Highly Sensitive Photodetectors. <i>Advanced Science</i> , 2019 , 6, 1900751	13.6	73

566	Formation and healing of vacancies in graphene chemical vapor deposition (CVD) growth. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4476-82	16.4	73
565	Bis-imidazolium based poly(phenylene oxide) anion exchange membranes for fuel cells: the effect of cross-linking. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13275-13283	13	71
564	Salt-assisted high-throughput synthesis of single- and few-layer transition metal dichalcogenides and their application in organic solar cells. <i>Small</i> , 2014 , 10, 4651-7	11	71
563	Disposable reagentless electrochemical immunosensor array based on a biopolymer/sol-gel membrane for simultaneous measurement of several tumor markers. <i>Clinical Chemistry</i> , 2008 , 54, 1481-8	5.5	71
562	Low Temperature Fabrication for High Performance Flexible CsPbIBr Perovskite Solar Cells. <i>Advanced Science</i> , 2018 , 5, 1801117	13.6	71
561	A novel low temperature vapor phase hydrolysis method for the production of nano-structured silica materials using silicon tetrachloride. <i>RSC Advances</i> , 2014 , 4, 8703	3.7	70
560	Ionic liquid-tethered nanoparticle/poly(ionic liquid) electrolytes for quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2012 , 207, 216-221	8.9	69
559	High-Performance, Self-Powered Photodetectors Based on Perovskite and Graphene. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42779-42787	9.5	69
558	HDAC2 selectively regulates FOXO3a-mediated gene transcription during oxidative stress-induced neuronal cell death. <i>Journal of Neuroscience</i> , 2015 , 35, 1250-9	6.6	69
557	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
556	Rigid and flexible organic electrochemical transistor arrays for monitoring action potentials from electrogenic cells. <i>Advanced Healthcare Materials</i> , 2015 , 4, 528-33	10.1	66
555	Influence of Silica Types on Synthesis and Performance of Amine-Silica Hybrid Materials Used for CO ₂ Capture. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2454-2462	3.8	66
554	The Polarization States of Microglia in TBI: A New Paradigm for Pharmacological Intervention. <i>Neural Plasticity</i> , 2017 , 2017, 5405104	3.3	66
553	Phase diagram and electrostrictive properties of Bi _{0.5} Na _{0.5} TiO ₃ BaTiO ₃ /Bi _{0.5} Na _{0.5} NbO ₃ ceramics. <i>Applied Physics Letters</i> , 2010 , 97, 122901	3.4	66
552	Ultrasmall FeNi ₃ N particles with an exposed active (110) surface anchored on nitrogen-doped graphene for multifunctional electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1083-1091	13	65
551	Synthesis of highly efficient CaO-based, self-stabilizing CO ₂ sorbents via structure-reforming of steel slag. <i>Environmental Science & Technology</i> , 2015 , 49, 7464-72	10.3	65
550	Enhanced performance of tin-based perovskite solar cells induced by an ammonium hypophosphite additive. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26580-26585	13	65
549	Salidroside provides neuroprotection by modulating microglial polarization after cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2018 , 15, 39	10.1	64

- 548 Flexible and voltage-switchable polymer velcro constructed using host-guest recognition between poly(ionic liquid) strips. *Chemical Science*, **2014**, 5, 3261 9.4 64
- 547 Enhanced photovoltaic performance of polymer solar cells by adding fullerene end-capped polyethylene glycol. *Journal of Materials Chemistry*, **2011**, 21, 6848 64
- 546 Noncompetitive enzyme immunoassay for carcinoembryonic antigen by flow injection chemiluminescence. *Clinica Chimica Acta*, **2004**, 341, 109-15 6.2 64
- 545 Transgenic overexpression of peroxiredoxin-2 attenuates ischemic neuronal injury via suppression of a redox-sensitive pro-death signaling pathway. *Antioxidants and Redox Signaling*, **2012**, 17, 719-32 8.4 63
- 544 Puerarin protects against ischemic brain injury in a rat model of transient focal ischemia. *Neurological Research*, **2009**, 31, 402-6 2.7 63
- 543 Zinc Ion Coordinated Poly(Ionic Liquid) Antimicrobial Membranes for Wound Healing. *ACS Applied Materials & Interfaces*, **2017**, 9, 14656-14664 9.5 62
- 542 Enhanced electromagnetic wave absorption induced by void spaces in hollow nanoparticles. *Nanoscale*, **2018**, 10, 18742-18748 7.7 62
- 541 The blood-brain barrier penetration and distribution of PEGylated fluorescein-doped magnetic silica nanoparticles in rat brain. *Biochemical and Biophysical Research Communications*, **2010**, 394, 871-6 3.4 61
- 540 Highly photosensitive thin film transistors based on a composite of poly(3-hexylthiophene) and titania nanoparticles. *Journal of Applied Physics*, **2009**, 106, 074501 2.5 61
- 539 Chemiluminescent immunosensor for CA19-9 based on antigen immobilization on a cross-linked chitosan membrane. *Journal of Immunological Methods*, **2004**, 291, 165-74 2.5 61
- 538 Neuroprotective effect of microRNA-99a against focal cerebral ischemia-reperfusion injury in mice. *Journal of the Neurological Sciences*, **2015**, 355, 113-9 3.2 60
- 537 Field effect detection of biomolecular interactions. *Electrochimica Acta*, **2005**, 50, 4995-5000 6.7 60
- 536 Two-dimensional materials in perovskite solar cells. *Materials Today Energy*, **2019**, 11, 128-158 7 60
- 535 Antibacterial activity of cationic polymers: side-chain or main-chain type?. *Polymer Chemistry*, **2018**, 9, 4611-4616 4.9 59
- 534 Full-solution processed flexible organic solar cells using low-cost printable copper electrodes. *Advanced Materials*, **2014**, 26, 7271-8 24 59
- 533 Advances in the Studies of Ginkgo Biloba Leaves Extract on Aging-Related Diseases **2017**, 8, 812-826 59
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- 531 Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc-Air Batteries. *Small Methods*, **2020**, 4, 1900571 12.8 59

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4 ⁰⁶	Fast fabrication of ultrathin CoMn LDH nanoarray as flexible electrode for water oxidation. <i>Electrochimica Acta</i> , 2018 , 283, 755-763	6.7	3 ⁰
4 ⁰⁵	Ultrafast, sensitive, and portable detection of COVID-19 IgG using flexible organic electrochemical transistors. <i>Science Advances</i> , 2021 , 7, eabg8387	14.3	3 ⁰

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