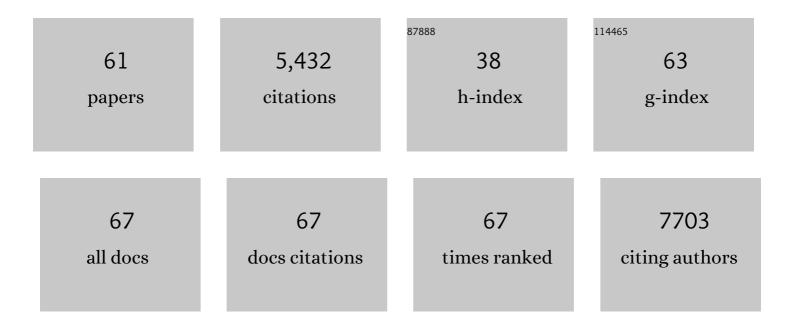
List of Publications by Year in descending order

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KALMANC

#	Article	IF	CITATIONS
1	High efficiency planar-type perovskite solar cells with negligible hysteresis using EDTA-complexed SnO2. Nature Communications, 2018, 9, 3239.	12.8	1,017
2	Low bandgap semiconducting polymers for polymeric photovoltaics. Chemical Society Reviews, 2016, 45, 4825-4846.	38.1	461
3	Single-Junction Polymer Solar Cells with Over 10% Efficiency by a Novel Two-Dimensional Donor–Acceptor Conjugated Copolymer. ACS Applied Materials & Interfaces, 2015, 7, 4928-4935.	8.0	256
4	Bulk heterojunction perovskite hybrid solar cells with large fill factor. Energy and Environmental Science, 2015, 8, 1245-1255.	30.8	252
5	Quasi-Two-Dimensional Halide Perovskite Single Crystal Photodetector. ACS Nano, 2018, 12, 4919-4929.	14.6	252
6	Ni _{0.85} Se@MoSe ₂ Nanosheet Arrays as the Electrode for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 17067-17075.	8.0	220
7	Inverted organic photovoltaic cells. Chemical Society Reviews, 2016, 45, 2937-2975.	38.1	185
8	Stable Efficiency Exceeding 20.6% for Inverted Perovskite Solar Cells through Polymer-Optimized PCBM Electron-Transport Layers. Nano Letters, 2019, 19, 3313-3320.	9.1	181
9	Isothermally crystallized perovskites at room-temperature. Energy and Environmental Science, 2020, 13, 3412-3422.	30.8	153
10	Efficient Perovskite Hybrid Solar Cells by Highly Electrical Conductive PEDOT:PSS Hole Transport Layer. Advanced Energy Materials, 2016, 6, 1501773.	19.5	133
11	Localized Electron Density Engineering for Stabilized B-γ CsSnI ₃ -Based Perovskite Solar Cells with Efficiencies >10%. ACS Energy Letters, 0, , 1480-1489.	17.4	125
12	Molecular Weight Effect on the Efficiency of Polymer Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 12163-12167.	8.0	111
13	Ultrasensitive solution-processed broad-band photodetectors using CH ₃ NH ₃ PbI ₃ perovskite hybrids and PbS quantum dots as light harvesters. Nanoscale, 2015, 7, 16460-16469.	5.6	106
14	Ultrasensitive solution-processed perovskite hybrid photodetectors. Journal of Materials Chemistry C, 2015, 3, 6600-6606.	5.5	104
15	High Performance Planar Heterojunction Perovskite Solar Cells with Fullerene Derivatives as the Electron Transport Layer. ACS Applied Materials & Interfaces, 2015, 7, 1153-1159.	8.0	99
16	Recent progress in fundamental understanding of halide perovskite semiconductors. Progress in Materials Science, 2019, 106, 100580.	32.8	95
17	PbS quantum dots-induced trap-assisted charge injection in perovskite photodetectors. Nano Energy, 2016, 30, 27-35.	16.0	91
18	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. Nano Energy, 2019, 61, 352-360.	16.0	89

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19	Polyaniline-Modified Oriented Graphene Hydrogel Film as the Free-Standing Electrode for Flexible Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 23932-23940.	8.0	77
20	Wideâ€Bandgap Perovskite Solar Cells With Large Openâ€Circuit Voltage of 1653 mV Through Interfacial Engineering. Solar Rrl, 2018, 2, 1800083.	5.8	67
21	Cost-Effective High-Performance Charge-Carrier-Transport-Layer-Free Perovskite Solar Cells Achieved by Suppressing Ion Migration. ACS Energy Letters, 2021, 6, 3044-3052.	17.4	65
22	Distinct conducting layer edge states in two-dimensional (2D) halide perovskite. Science Advances, 2019, 5, eaau3241.	10.3	62
23	Efficient Perovskite Hybrid Solar Cells via Ionomer Interfacial Engineering. Advanced Functional Materials, 2015, 25, 6875-6884.	14.9	57
24	Effect of Oligothiophene π-Bridge Length on the Photovoltaic Properties of D–A Copolymers Based on Carbazole and Quinoxalinoporphyrin. Macromolecules, 2012, 45, 7806-7814.	4.8	54
25	Multifunctional nanostructured materials for next generation photovoltaics. Nano Energy, 2020, 70, 104480.	16.0	52
26	Solution-Processed Fe ₃ O ₄ Magnetic Nanoparticle Thin Film Aligned by an External Magnetostatic Field as a Hole Extraction Layer for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 10325-10330.	8.0	51
27	Efficient Perovskite Hybrid Solar Cells Through a Homogeneous Highâ€Quality Organolead Iodide Layer. Small, 2015, 11, 3369-3376.	10.0	47
28	All electrospray printed perovskite solar cells. Nano Energy, 2018, 53, 440-448.	16.0	46
29	Nonionic Sc ₃ N@C ₈₀ Dopant for Efficient and Stable Halide Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1852-1861.	17.4	46
30	High performance perovskites solar cells by hybrid perovskites co-crystallized with poly(ethylene) Tj ETQq0 0 0 rg	gBT /Overl 16.0	$\operatorname{pck}_{46}^{10}$ Tf 50
31	A Nonionic and Low-Entropic MA(MMA)nPbI3-Ink for Fast Crystallization of Perovskite Thin Films. Joule, 2020, 4, 615-630.	24.0	46
32	Ionic liquid induced surface trap-state passivation for efficient perovskite hybrid solar cells. Organic Electronics, 2017, 41, 42-48.	2.6	45
33	Enhanced Performance and Stability in DNA-Perovskite Heterostructure-Based Solar Cells. ACS Energy Letters, 2019, 4, 2646-2655.	17.4	45
34	Radical polymers as interfacial layers in inverted hybrid perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 23831-23839.	10.3	44
35	Selfâ€Powered Red/UV Narrowband Photodetector by Unbalanced Charge Carrier Transport Strategy. Advanced Functional Materials, 2021, 31, 2007016.	14.9	44
36	Mono-crystalline Perovskite Photovoltaics toward Ultrahigh Efficiency?. Joule, 2019, 3, 311-316.	24.0	43

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37	Moderately reduced graphene oxide/PEDOT:PSS as hole transport layer to fabricate efficient perovskite hybrid solar cells. Organic Electronics, 2016, 39, 288-295.	2.6	42
38	Melanin–Perovskite Composites for Photothermal Conversion. Advanced Energy Materials, 2019, 9, 1901753.	19.5	42
39	Fullerene Polymer Complex Inducing Dipole Electric Field for Stable Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1804419.	14.9	42
40	High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO _{<i>x</i>} Electron Extraction Layer. ACS Applied Materials & Interfaces, 2016, 8, 1876-1883.	8.0	40
41	High-detectivity inverted near-infrared polymer photodetectors using cross-linkable conjugated polyfluorene as an electron extraction layer. Journal of Materials Chemistry C, 2014, 2, 9592-9598.	5.5	38
42	Efficient Polymer Solar Cells by Lithium Sulfonated Polystyrene as a Charge Transport Interfacial Layer. ACS Applied Materials & Interfaces, 2017, 9, 5348-5357.	8.0	33
43	"One-key-reset―recycling of whole perovskite solar cell. Matter, 2021, 4, 2522-2541.	10.0	31
44	Enhanced Performance of Polymer Solar Cells using PEDOT:PSS Doped with Fe ₃ O ₄ Magnetic Nanoparticles Aligned by an External Magnetostatic Field as an Anode Buffer Layer. ACS Applied Materials & Interfaces, 2014, 6, 13201-13208.	8.0	30
45	Ultrahigh Durability Perovskite Solar Cells. Nano Letters, 2019, 19, 1251-1259.	9.1	30
46	Artemisinin (ART)-Induced "perovskite/perovskite―bilayer structured photovoltaics. Nano Energy, 2020, 78, 105133.	16.0	30
47	Two-dimensional hybrid organic–inorganic perovskites as emergent ferroelectric materials. Journal of Applied Physics, 2020, 128, .	2.5	30
48	Organismic materials for beyond von Neumann machines. Applied Physics Reviews, 2020, 7, .	11.3	30
49	Monocrystalline perovskite wafers/thin films for photovoltaic and transistor applications. Journal of Materials Chemistry A, 2019, 7, 24661-24690.	10.3	27
50	Perovskite hybrid solar cells with a fullerene derivative electron extraction layer. Journal of Materials Chemistry C, 2017, 5, 4190-4197.	5.5	24
51	Bio-inspired strategies for next-generation perovskite solar mobile power sources. Chemical Society Reviews, 2021, 50, 12915-12984.	38.1	15
52	Nature of terrace edge states (TES) in lower-dimensional halide perovskite. Journal of Materials Chemistry A, 2020, 8, 7659-7670.	10.3	14
53	Solution-Processed Ultrahigh Detectivity Photodetectors by Hybrid Perovskite Incorporated with Heterovalent Neodymium Cations. ACS Omega, 2019, 4, 15873-15878.	3.5	13
54	Pitch Gradation by Ion-Dragging Effect in Polymer-Stabilized Cholesteric Liquid Crystal Reflector Device. Polymers, 2020, 12, 96.	4.5	12

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55	Polymer-based composites with improved energy density and dielectric constants by monoaxial hot-stretching for organic film capacitor applications. RSC Advances, 2015, 5, 51975-51982.	3.6	9
56	Preparation of TiO ₂ –MWCNT core/shell heterostructures containing a single MWCNT and their electromagnetic properties. Composite Interfaces, 2015, 22, 343-351.	2.3	4
57	Efficient Perovskite Hybrid Solar Cells via Controllable Crystallization Film Morphology. IEEE Journal of Photovoltaics, 2015, 5, 1402-1407.	2.5	4
58	Homogenization of Optical Field in Nanocrystal-Embedded Perovskite Composites. ACS Energy Letters, 2022, 7, 1657-1671.	17.4	4
59	Inverted polymer solar cells with Zn 2 SnO 4 nanoparticles as the electron extraction layer. Chinese Chemical Letters, 2017, 28, 1755-1759.	9.0	3
60	Probe of the excitonic transitions and lifetimes in quasi-2D organic–inorganic halide perovskites. AIP Advances, 2022, 12, .	1.3	2
61	Design of TiO ₂ @graphene nanosheets with rough surface and its reinforcement to polyarylene ether nitriles. Polymers for Advanced Technologies, 2015, 26, 1267-1274.	3.2	1