

Jin-Woo Park

List of Publications by Year in descending order

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64
papers

2,492
citations

218677

26
h-index

206112

48
g-index

66
all docs

66
docs citations

66
times ranked

3357
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroelectric and piezoelectric properties of BaTiO ₃ -templated 0.36BiScO ₃ -0.64PbTiO ₃ thick films for piezoelectric device applications. Journal of Asian Ceramic Societies, 2022, 10, 138-149.	2.3	2
2	A Self-Charging Supercapacitor for a Patch-Type Glucose Sensor. ACS Applied Materials & Interfaces, 2022, 14, 3838-3848.	8.0	32
3	Redox-Active Water-in-Salt Electrolyte for High-Energy-Density Supercapacitors. ACS Energy Letters, 2022, 7, 1266-1273.	17.4	33
4	Mixed Solvent Engineering for Morphology Optimization of the Electron Transport Layer in Perovskite Photovoltaics. ACS Applied Energy Materials, 2022, 5, 387-396.	5.1	8
5	<i>In Situ</i> Scanning Electron Microscopy Analysis of the Interfacial Failure of Oxide Scales on Stainless Steels and Its Effect on Sticking during Hot Rolling. ACS Omega, 2022, 7, 15174-15185.	3.5	4
6	Phase-Transitional Ionogel-Based Supercapacitors for a Selective Operation. ACS Applied Materials & Interfaces, 2022, 14, 23375-23382.	8.0	5
7	Exploiting the full advantages of colloidal perovskite nanocrystals for large-area efficient light-emitting diodes. Nature Nanotechnology, 2022, 17, 590-597.	31.5	81
8	Phenylethylammonium-formamidinium-methylammonium quasi-2D/3D tin wide-bandgap perovskite solar cell with improved efficiency and stability. Chemical Engineering Journal, 2022, 446, 137388.	12.7	17
9	Enhanced Photoluminescence of Multiple Two-Dimensional van der Waals Heterostructures Fabricated by Layer-by-Layer Oxidation of MoS ₂ . ACS Applied Materials & Interfaces, 2021, 13, 1245-1252.	8.0	28
10	Understanding the Synergistic Effect of Device Architecture Design toward Efficient Perovskite Light-Emitting Diodes Using Interfacial Layer Engineering. Advanced Materials Interfaces, 2021, 8, 2001712.	3.7	29
11	Abnormal spatial heterogeneity governing the charge-carrier mechanism in efficient Ruddlesden-Popper perovskite solar cells. Energy and Environmental Science, 2021, 14, 4915-4925.	30.8	24
12	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. Nature Photonics, 2021, 15, 148-155.	31.4	590
13	History and Perspectives on Ultrafast Supercapacitors for AC Line Filtering. Advanced Energy Materials, 2021, 11, 2003306.	19.5	32
14	Intrinsically stretchable organic light-emitting diodes. Science Advances, 2021, 7, .	10.3	76
15	Water-in-Salt Electrolyte Enables Ultrafast Supercapacitors for AC Line Filtering. ACS Energy Letters, 2021, 6, 769-777.	17.4	49
16	Tailored Hydrogen-Free Carbon Films by Tuning the sp ² /sp ³ Configuration. ACS Applied Electronic Materials, 2021, 3, 1771-1779.	4.3	12
17	Atomic-layer-confined multiple quantum wells enabled by monolithic bandgap engineering of transition metal dichalcogenides. Science Advances, 2021, 7, .	10.3	11
18	Tailoring the Structure of Low-Dimensional Halide Perovskite through a Room Temperature Solution Process: Role of Ligands. Small Methods, 2021, 5, e2100054.	8.6	8

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19	Quantum-confinement effect on the linewidth broadening of metal halide perovskite-based quantum dots. <i>Journal of Physics Condensed Matter</i> , 2021, 33, .	1.8	4
20	Synergistic Molecular Engineering of Hole-Injecting Conducting Polymers Overcomes Luminescence Quenching in Perovskite Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100646.	7.3	14
21	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	1.8	49
22	Ligand-Assisted Sulfide Surface Treatment of CsPbI ₃ Perovskite Quantum Dots to Increase Photoluminescence and Recovery. <i>ACS Photonics</i> , 2021, 8, 1979-1987.	6.6	33
23	Ultrafast Supercapacitors: History and Perspectives on Ultrafast Supercapacitors for AC Line Filtering (<i>Adv. Energy Mater.</i> 27/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170107.	19.5	3
24	Chemically Robust Indium Tin Oxide/Graphene Anode for Efficient Perovskite Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9074-9080.	8.0	6
25	Production of C, N Alternating 2D Materials Using Covalent Modification and Their Electroluminescence Performance. <i>Small Science</i> , 2021, 1, 2000042.	9.9	9
26	Water Passivation of Perovskite Nanocrystals Enables Air-Stable Intrinsically Stretchable Color-Conversion Layers for Stretchable Displays. <i>Advanced Materials</i> , 2020, 32, e2001989.	21.0	51
27	Aromatic nonpolar organogels for efficient and stable perovskite green emitters. <i>Nature Communications</i> , 2020, 11, 4638.	12.8	28
28	Production of Metal-Free C, N Alternating Nanoplatelets and Their In Vivo Fluorescence Imaging Performance without Labeling. <i>Advanced Functional Materials</i> , 2020, 30, 2004800.	14.9	5
29	Perovskite Emitters as a Platform Material for Down-Conversion Applications. <i>Advanced Materials Technologies</i> , 2020, 5, 2000091.	5.8	38
30	Self-healable soft shield for γ -ray radiation based on polyacrylamide hydrogel composites. <i>Scientific Reports</i> , 2020, 10, 21689.	3.3	14
31	All-Solution-Processed BiVO ₄ /TiO ₂ Photoanode with NiCo ₂ O ₄ Nanofiber Cocatalyst for Enhanced Solar Water Oxidation. <i>ACS Applied Energy Materials</i> , 2020, 3, 5646-5656.	5.1	23
32	Solution-processed graphene oxide electrode for supercapacitors fabricated using low temperature thermal reduction. <i>RSC Advances</i> , 2020, 10, 22102-22111.	3.6	8
33	Fabrication of nickel oxide composites with carbon nanotubes for enhanced charge transport in planar perovskite solar cells. <i>Applied Surface Science</i> , 2020, 516, 146116.	6.1	22
34	Proton-transfer-induced 3D/2D hybrid perovskites suppress ion migration and reduce luminance overshoot. <i>Nature Communications</i> , 2020, 11, 3378.	12.8	108
35	Highly Transparent and Colorless Organic Light-Emitting Diodes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 1900707.	2.4	8
36	Synthesis of V-doped In ₂ O ₃ Nanocrystals via Digestive-Ripening Process and Their Electrocatalytic Properties in CO ₂ Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11890-11897.	8.0	44

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37	Electroluminescence of Perovskite Nanocrystals with Ligand Engineering. Trends in Chemistry, 2020, 2, 837-849.	8.5	22
38	Improving the Stability of Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes Using Doped Electron Transport Materials. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900426.	1.8	11
39	All-Solution-Processed Organic-Inorganic Hybrid Perovskite Light-Emitting Diodes under Ambient Air. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900642.	1.8	13
40	Using Electrospun AgNW/P(VDF-TrFE) Composite Nanofibers to Create Transparent and Wearable Single-Electrode Triboelectric Nanogenerators for Self-Powered Touch Panels. ACS Applied Materials & Interfaces, 2019, 11, 15088-15096.	8.0	49
41	Rational Design of a Redox-Active Nonaqueous Electrolyte for a High-Energy-Density Supercapacitor Based on Carbon Nanotubes. ACS Sustainable Chemistry and Engineering, 2019, 7, 7728-7735.	6.7	36
42	CMK-5-Based High Energy Density Electrical Double Layer Capacitor for AC Line Filtering. ACS Omega, 2019, 4, 18900-18907.	3.5	19
43	Fine Control of Perovskite Crystallization and Reducing Luminescence Quenching Using Self-Doped Polyaniline Hole Injection Layer for Efficient Perovskite Light-Emitting Diodes. Advanced Functional Materials, 2019, 29, 1807535.	14.9	58
44	Novel Patterning Method for Nanomaterials and Its Application to Flexible Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 9704-9717.	8.0	22
45	Wearable, Luminescent Oxygen Sensor for Transcutaneous Oxygen Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 41026-41034.	8.0	38
46	SWCNT-Ag nanowire composite for transparent stretchable film heater with enhanced electrical stability. Journal of Materials Science, 2018, 53, 12284-12294.	3.7	25
47	Highly Conformable, Transparent Electrodes for Epidermal Electronics. Nano Letters, 2018, 18, 4531-4540.	9.1	182
48	Spatially Pressure-Mapped Thermochromic Interactive Sensor. Advanced Materials, 2017, 29, 1606120.	21.0	86
49	Designing an electron-transport layer for highly efficient, reliable, and solution-processed organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 3097-3106.	5.5	33
50	Molecular-Printed Thermochromic with Fast Color Switching. Advanced Optical Materials, 2017, 5, 1700627.	7.3	23
51	Investigation of Charge Transfer Kinetics at Carbon/Hydroquinone Interfaces for Redox-Active-Electrolyte Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 33728-33734.	8.0	25
52	Wearable and Transparent Capacitive Strain Sensor with High Sensitivity Based on Patterned Ag Nanowire Networks. ACS Applied Materials & Interfaces, 2017, 9, 26407-26416.	8.0	158
53	Flexible Encapsulation Materials Based on Silica Aerogels for Organic Light-Emitting Diodes. Journal of Nanoscience and Nanotechnology, 2016, 16, 11569-11574.	0.9	2
54	Fabrication of Invisible Ag Nanowire Electrode Patterns Based on Laser-Induced Rayleigh Instability. Journal of Physical Chemistry C, 2016, 120, 20471-20477.	3.1	19

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55	Silver nanowire network embedded in polydimethylsiloxane as stretchable, transparent, and conductive substrates. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	34
56	Alignment of nanoparticles, nanorods, and nanowires during chemical vapor deposition of silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 889-895.	2.3	4
57	Foldable Transparent Substrates with Embedded Electrodes for Flexible Electronics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18574-18580.	8.0	38
58	Effect of the crystallinity of indium tin oxide on the charge transfer at the interfaces and the performances of flexible organic light emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 414-424.	1.8	17
59	Energy-Density Enhancement of Carbon-Nanotube-Based Supercapacitors with Redox Couple in Organic Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19499-19503.	8.0	53
60	Highly flexible, hybrid-structured indium tin oxides for transparent electrodes on polymer substrates. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	8
61	Simulation of tokamak SOL and divertor region including heat flux mitigation by gas puffing. <i>Journal of the Korean Physical Society</i> , 2012, 61, 387-396.	0.7	0
62	The Fracture Resistance of Bonded Au Wires for Interconnection. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2009, 32, 106-109.	1.3	1
63	Flexible Job Shop Scheduling with Multi-level Job Structures.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2003, 46, 33-38.	0.3	6
64	Application of the transient liquid phase bonding to microelectronics and MEMS packaging. , 0, , .		2