

Young-Geun Park

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7909814/young-geun-park-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

8,645
citations

46
h-index

92
g-index

107
ext. papers

9,954
ext. citations

10.9
avg, IF

6.13
L-index

#	Paper	IF	Citations
101	High-Resolution 3D Printing for Electronics.. <i>Advanced Science</i> , 2022 , e2104623	13.6	12
100	Transferable transparent electrodes of liquid metals for bifacial perovskite solar cells and heaters. <i>Nano Energy</i> , 2022 , 93, 106857	17.1	5
99	Liquid Metal-Based Soft Electronics for Wearable Healthcare. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002280	10.1	24
98	Smart contact lens and transparent heat patch for remote monitoring and therapy of chronic ocular surface inflammation using mobiles. <i>Science Advances</i> , 2021 , 7,	14.3	23
97	Recent advances in electronic devices for monitoring and modulation of brain. <i>Nano Research</i> , 2021 , 14, 3070-3095	10	2
96	A soft and transparent contact lens for the wireless quantitative monitoring of intraocular pressure. <i>Nature Biomedical Engineering</i> , 2021 , 5, 772-782	19	38
95	3D Electrodes for Bioelectronics. <i>Advanced Materials</i> , 2021 , 33, e2005805	24	10
94	3D Heterogeneous Device Arrays for Multiplexed Sensing Platforms Using Transfer of Perovskites. <i>Advanced Materials</i> , 2021 , 33, e2101093	24	11
93	Multimodal Digital X-ray Scanners with Synchronous Mapping of Tactile Pressure Distributions using Perovskites. <i>Advanced Materials</i> , 2021 , 33, e2008539	24	16
92	Recent Advances in Wearable Devices for Non-Invasive Sensing. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1235	2.6	8
91	Recent progress on wearable point-of-care devices for ocular systems. <i>Lab on A Chip</i> , 2021 , 21, 1269-1286	2.6	10
90	Integration of Transparent Supercapacitors and Electrodes Using Nanostructured Metallic Glass Films for Wirelessly Rechargeable, Skin Heat Patches. <i>Nano Letters</i> , 2020 , 20, 4872-4881	11.5	28
89	Motion Detection Using Tactile Sensors Based on Pressure-Sensitive Transistor Arrays. <i>Sensors</i> , 2020 , 20,	3.8	15
88	Smart, soft contact lens for wireless immunosensing of cortisol. <i>Science Advances</i> , 2020 , 6, eabb2891	14.3	65
87	Smart Contact Lenses: Recent Advances in Smart Contact Lenses (Adv. Mater. Technol. 1/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070004	6.8	6
86	Smart Sensing Systems Using Wearable Optoelectronics. <i>Advanced Intelligent Systems</i> , 2020 , 2, 19001446		8
85	Untethered Soft Robotics with Fully Integrated Wireless Sensing and Actuating Systems for Somatosensory and Respiratory Functions. <i>Soft Robotics</i> , 2020 , 7, 564-573	9.2	21

84	Flexible electronics based on one-dimensional and two-dimensional hybrid nanomaterials. <i>Informa Materilly</i> , 2020 , 2, 33-56	23.1	37
83	Wireless phototherapeutic contact lenses and glasses with red light-emitting diodes. <i>Nano Research</i> , 2020 , 13, 1347-1353	10	17
82	Amorphous Oxide Semiconductor Transistors with Air Dielectrics for Transparent and Wearable Pressure Sensor Arrays. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900928	6.8	22
81	Intraocular Pressure Monitoring Following Islet Transplantation to the Anterior Chamber of the Eye. <i>Nano Letters</i> , 2020 , 20, 1517-1525	11.5	30
80	Recent Advances in Smart Contact Lenses. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900728	6.8	33
79	Mechanoluminescent, Air-Dielectric MoS Transistors as Active-Matrix Pressure Sensors for Wide Detection Ranges from Footsteps to Cellular Motions. <i>Nano Letters</i> , 2020 , 20, 66-74	11.5	41
78	High-Resolution 3D Printing of Freeform, Transparent Displays in Ambient Air. <i>Advanced Science</i> , 2019 , 6, 1901603	13.6	22
77	High-resolution, reconfigurable printing of liquid metals with three-dimensional structures. <i>Science Advances</i> , 2019 , 5, eaaw2844	14.3	126
76	Platform for wireless pressure sensing with built-in battery and instant visualization. <i>Nano Energy</i> , 2019 , 62, 230-238	17.1	32
75	Interactive Skin Display with Epidermal Stimuli Electrode. <i>Advanced Science</i> , 2019 , 6, 1802351	13.6	40
74	Haze-free transparent electrodes using metal nanofibers with carbon shells for high-temperature stability. <i>Applied Surface Science</i> , 2019 , 483, 1101-1109	6.7	11
73	Three-Dimensional, High-Resolution Printing of Carbon Nanotube/Liquid Metal Composites with Mechanical and Electrical Reinforcement. <i>Nano Letters</i> , 2019 , 19, 4866-4872	11.5	69
72	Human-Interactive, Active-Matrix Displays for Visualization of Tactile Pressures. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900082	6.8	36
71	Recent Progress in Wireless Sensors for Wearable Electronics. <i>Sensors</i> , 2019 , 19,	3.8	49
70	Instantaneous and Repeatable Self-Healing of Fully Metallic Electrodes at Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41497-41505	9.5	19
69	Implantation of electronic visual prosthesis for blindness restoration. <i>Optical Materials Express</i> , 2019 , 9, 3878	2.6	13
68	Printing of wirelessly rechargeable solid-state supercapacitors for soft, smart contact lenses with continuous operations. <i>Science Advances</i> , 2019 , 5, eaay0764	14.3	67
67	Recent Advances in Transparent Electronics with Stretchable Forms. <i>Advanced Materials</i> , 2019 , 31, e1804490	14.9	68

66	Soft, smart contact lenses with integrations of wireless circuits, glucose sensors, and displays. <i>Science Advances</i> , 2018 , 4, eaap9841	14.3	321
65	Alcohol gas sensors capable of wireless detection using In ₂ O ₃ /Pt nanoparticles and Ag nanowires. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 825-832	8.5	28
64	A high-performance transparent moisture barrier using surface-modified nanoclay composite for OLED encapsulation. <i>Progress in Organic Coatings</i> , 2018 , 118, 66-71	4.8	7
63	Biomimetic Chitin/Silk Hybrids: An Optically Transparent Structural Platform for Wearable Devices and Advanced Electronics. <i>Advanced Functional Materials</i> , 2018 , 28, 1705480	15.6	53
62	Engineered Unidirectional Scattering in Metal Wire Networks for Ultrahigh Glass-Like Transparency. <i>ACS Photonics</i> , 2018 , 5, 4270-4276	6.3	2
61	A Full-Visible-Spectrum Invisibility Cloak for Mesoscopic Metal Wires. <i>Nano Letters</i> , 2018 , 18, 3865-3872	11.5	18
60	Transparent and flexible fingerprint sensor array with multiplexed detection of tactile pressure and skin temperature. <i>Nature Communications</i> , 2018 , 9, 2458	17.4	185
59	3D-printable, highly conductive hybrid composites employing chemically-reinforced, complex dimensional fillers and thermoplastic triblock copolymers. <i>Nanoscale</i> , 2017 , 9, 5072-5084	7.7	50
58	High Dielectric Performances of Flexible and Transparent Cellulose Hybrid Films Controlled by Multidimensional Metal Nanostructures. <i>Advanced Materials</i> , 2017 , 29, 1700538	24	86
57	Wearable smart sensor systems integrated on soft contact lenses for wireless ocular diagnostics. <i>Nature Communications</i> , 2017 , 8, 14997	17.4	455
56	Stretchable electronic devices using graphene and its hybrid nanostructures. <i>FlatChem</i> , 2017 , 3, 71-91	5.1	26
55	P-134: Flexible Transparent Electrode Film with a Continuous Ag Nanofiber Network Embedded Structure for Flexible OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1761-1764	9.5	5
54	Flexible Transparent Conductive Films with High Performance and Reliability Using Hybrid Structures of Continuous Metal Nanofiber Networks for Flexible Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20299-20305	9.5	44
53	Seed-mediated synthesis of ultra-long copper nanowires and their application as transparent conducting electrodes. <i>Applied Surface Science</i> , 2017 , 422, 731-737	6.7	25
52	Integrated arrays of air-dielectric graphene transistors as transparent active-matrix pressure sensors for wide pressure ranges. <i>Nature Communications</i> , 2017 , 8, 14950	17.4	129
51	An Annulative Synthetic Strategy for Building Triphenylene Frameworks by Multiple C-H Bond Activations. <i>Angewandte Chemie</i> , 2017 , 129, 5089-5093	3.6	14
50	An Annulative Synthetic Strategy for Building Triphenylene Frameworks by Multiple C-H Bond Activations. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5007-5011	16.4	54
49	Multi-dimensional carbon nanofibers for supercapacitor electrodes. <i>Journal of Electroceramics</i> , 2017 , 38, 43-50	1.5	10

48	Direct diversification of unmasked quinazolin-4(3H)-ones through orthogonal reactivity modulation. <i>Chemical Communications</i> , 2017 , 53, 10394-10397	5.8	33
47	Rapid production of large-area, transparent and stretchable electrodes using metal nanofibers as wirelessly operated wearable heaters. <i>NPG Asia Materials</i> , 2017 , 9, e432-e432	10.3	123
46	Research on flexible display at Ulsan National Institute of Science and Technology. <i>Npj Flexible Electronics</i> , 2017 , 1,	10.7	26
45	Bioinspired Transparent Laminated Composite Film for Flexible Green Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24161-24168	9.5	27
44	Smart Sensor Systems for Wearable Electronic Devices. <i>Polymers</i> , 2017 , 9,	4.5	123
43	Nanomaterial-based stretchable and transparent electrodes. <i>Journal of Information Display</i> , 2016 , 17, 131-141	4.1	19
42	High-resolution electrohydrodynamic inkjet printing of stretchable metal oxide semiconductor transistors with high performance. <i>Nanoscale</i> , 2016 , 8, 17113-17121	7.7	73
41	Newly Designed Cu/Cu ₁₀ Sn ₃ Core/Shell Nanoparticles for Liquid Phase-Photonic Sintered Copper Electrodes: Large-Area, Low-Cost Transparent Flexible Electronics. <i>Chemistry of Materials</i> , 2016 , 28, 4714-4723 ⁴³	8.6	43
40	A high-performance, flexible and robust metal nanotrough-embedded transparent conducting film for wearable touch screen panels. <i>Nanoscale</i> , 2016 , 8, 3916-22	7.7	65
39	Graphene-Based Wireless Environmental Gas Sensor on PET Substrate. <i>IEEE Sensors Journal</i> , 2016 , 16, 5003-5009	4	20
38	Stretchable, Transparent Electrodes as Wearable Heaters Using Nanotrough Networks of Metallic Glasses with Superior Mechanical Properties and Thermal Stability. <i>Nano Letters</i> , 2016 , 16, 471-8	11.5	219
37	Tin-doped indium oxide films for highly flexible transparent conducting electrodes. <i>Thin Solid Films</i> , 2016 , 615, 8-12	2.2	17
36	Fully-integrated, bezel-less transistor arrays using reversibly foldable interconnects and stretchable origami substrates. <i>Nanoscale</i> , 2016 , 8, 9504-10	7.7	53
35	Wearable, wireless gas sensors using highly stretchable and transparent structures of nanowires and graphene. <i>Nanoscale</i> , 2016 , 8, 10591-7	7.7	135
34	Photo-patternable and transparent films using cellulose nanofibers for stretchable origami electronics. <i>NPG Asia Materials</i> , 2016 , 8, e299-e299	10.3	76
33	Studies on the mechanical stretchability of transparent conductive film based on graphene-metal nanowire structures. <i>Nanoscale Research Letters</i> , 2015 , 10, 27	5	37
32	High-resolution electrohydrodynamic jet printing of small-molecule organic light-emitting diodes. <i>Nanoscale</i> , 2015 , 7, 13410-5	7.7	101
31	Highly transparent and stretchable field-effect transistor sensors using graphene-nanowire hybrid nanostructures. <i>Advanced Materials</i> , 2015 , 27, 3292-7	24	140

30	Stretchable and transparent electrodes based on in-plane structures. <i>Nanoscale</i> , 2015 , 7, 14577-94	7.7	75
29	Highly efficient flexible optoelectronic devices using metal nanowire-conducting polymer composite transparent electrode. <i>Electronic Materials Letters</i> , 2015 , 11, 906-914	2.9	31
28	High-Resolution Printing of 3D Structures Using an Electrohydrodynamic Inkjet with Multiple Functional Inks. <i>Advanced Materials</i> , 2015 , 27, 4322-8	24	184
27	Highly Stretchable 2D Fabrics for Wearable Triboelectric Nanogenerator under Harsh Environments. <i>ACS Nano</i> , 2015 , 9, 6394-400	16.7	262
26	Direct printing of reduced graphene oxide on planar or highly curved surfaces with high resolutions using electrohydrodynamics. <i>Small</i> , 2015 , 11, 2263-8	11	76
25	In-situ synthesis of carbon nanotube-graphite electronic devices and their integrations onto surfaces of live plants and insects. <i>Nano Letters</i> , 2014 , 14, 2647-54	11.5	74
24	Stretchable and transparent electrodes using hybrid structures of graphene-metal nanotrough networks with high performances and ultimate uniformity. <i>Nano Letters</i> , 2014 , 14, 6322-8	11.5	148
23	Metal salt-derived InGaZnO semiconductors incorporating formamide as a novel co-solvent for producing solution-processed, electrohydrodynamic-jet printed, high performance oxide transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4236	7.1	67
22	In situ observations of gas phase dynamics during graphene growth using solid-state carbon sources. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10446-52	3.6	15
21	Photopatternable and refractive-index-tunable sol-gel-derived silica/titania nanohybrid materials. <i>Current Applied Physics</i> , 2013 , 13, 1732-1737	2.6	6
20	Air-stable, surface-oxide free Cu nanoparticles for highly conductive Cu ink and their application to printed graphene transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2704	7.1	117
19	High-performance, transparent, and stretchable electrodes using graphene-metal nanowire hybrid structures. <i>Nano Letters</i> , 2013 , 13, 2814-21	11.5	552
18	Monolithic graphene transistor biointerface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 5678	0.9	
17	Synthesis of monolithic graphene-graphite integrated electronics. <i>Nature Materials</i> , 2011 , 11, 120-5	27	192
16	Nanoscale, electrified liquid jets for high-resolution printing of charge. <i>Nano Letters</i> , 2010 , 10, 584-91	11.5	106
15	Nanoscale patterns of oligonucleotides formed by electrohydrodynamic jet printing with applications in biosensing and nanomaterials assembly. <i>Nano Letters</i> , 2008 , 8, 4210-6	11.5	165
14	Scaling laws for jet pulsations associated with high-resolution electrohydrodynamic printing. <i>Applied Physics Letters</i> , 2008 , 92, 123109	3.4	99
13	High-resolution electrohydrodynamic jet printing. <i>Nature Materials</i> , 2007 , 6, 782-9	27	1011

12	Micro- and nanopatterning techniques for organic electronic and optoelectronic systems. <i>Chemical Reviews</i> , 2007 , 107, 1117-60	68.1	564
11	In situ deposition and patterning of single-walled carbon nanotubes by laminar flow and controlled flocculation in microfluidic channels. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 581-5	16.4	73
10	In Situ Deposition and Patterning of Single-Walled Carbon Nanotubes by Laminar Flow and Controlled Flocculation in Microfluidic Channels. <i>Angewandte Chemie</i> , 2006 , 118, 595-599	3.6	21
9	Stamp collapse in soft lithography. <i>Langmuir</i> , 2005 , 21, 8058-68	4	184
8	Collapse of stamps for soft lithography due to interfacial adhesion. <i>Applied Physics Letters</i> , 2005 , 86, 154106	3.4	89
7	Fabricating complex three-dimensional nanostructures with high-resolution conformable phase masks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12428-33	11.5	247
6	Effect of organic modifiers on the thermo-optic characteristics of inorganic-organic hybrid material films. <i>Journal of Materials Research</i> , 2003 , 18, 1889-1894	2.5	12
5	Inorganic-organic hybrid materials for application in optical devices. <i>Thin Solid Films</i> , 2003 , 442, 194-200	2.2	158
4	Single-step photopatterning of diffraction. <i>Optics Express</i> , 2003 , 11, 1144-8	3.3	19
3	Photoinduced low refractive index in a photosensitive organic-organic hybrid material. <i>Journal of Materials Chemistry</i> , 2003 , 13, 738-741		26
2	Photoinduced Low Refractive Index Patterning in a Photosensitive Hybrid Material. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 780, 371		1
1	Self-Healable, Recyclable Anisotropic Conductive Films of Liquid Metal-Gelatin Hybrids for Soft Electronics. <i>Advanced Electronic Materials</i> , 2101034	6.4	3