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Organic semiconductor materials and devices

	전체	2020년 이후
서지정보	6604	2975
h-index	45	32
i10-index	86	65

제목	인용	연도
Polarization-sensitive in-sensor computing in chiral organic integrated 2D pn heterostructures for mixed-multimodal image processing JJ Lee, SJ Han, C Choi, C Seo, S Hwang, J Kim, JP Hong, J Jang, J Kyhm, ... Nature communications 16 (1), 4624	1	2025
In-sensor multilevel image adjustment for high-clarity contour extraction using adjustable synaptic phototransistors JI Kwon, JS Kim, H Seung, J Kim, H Cho, TM Choi, J Park, J Park, JA Lim, ... Science Advances 11 (18), eadt6527		2025
Soft 3D Bioelectrodes for Intraorganoid Signal Monitoring in Cardiac Models YG Park, S Kim, S Min, E Kim, D Kim, YH Cho, S Kim, H Joo, I Jeong, ... Nano letters 25 (16), 6481-6490	2	2025
Facile Strategies for Incorporating Chiroptical Activity into Organic Optoelectronic Devices H Lee, D Kim, JH Cho, JA Lim Accounts of Materials Research 6 (4), 434-446	3	2025
Implantable Soft Neural Electrodes of Liquid Metals for Deep Brain Stimulation YW Kwon, E Kim, CS Koh, YG Park, YM Hong, S Lee, J Lee, TJ Kim, ... ACS nano 19 (7), 7337-7349	8	2025
Wearable and implantable microfluidic technologies for future digital therapeutics S Lee, WG Chung, E Kim, E Kim, J Paek, D Kim, SH An, T Lee, JA Lim, ... Lab on a Chip		2025
Machine Learning Enhanced Multimodal Bioelectronics: Advancement Toward Intelligent Healthcare Systems M Oh, E Kim, J Lee, I Jeong, E Kim, J Paek, T Lee, D Kim, SH An, S Kim, ... Advanced Sensor Research, e00028		2025
Shortwave infrared organic phototransistors with improved performance via conjugated polymer blends and a metal reflector gate architecture D Kim, H Han, C Choi, JH Cho, JH Han, JA Lim Journal of Materials Chemistry C 13 (26), 13393-13403		2025
Transferred Chiroptical Transitions in Chiral Binaphthyl/π‐Conjugated Polymer Hybrid Films: Significance of Aromatic Solvent‐Mediated Co‐Crystallization H Lee, WM Takele, JI Kwon, C Choi, D Kim, JH Cho, TG Habteyes, JA Lim Advanced Functional Materials 34 (51), 2409982	7	2024
2D materials-based crossbar array for neuromorphic computing hardware HJ Lee, S Park, J Kim, MH Park, J Kim, JA Lim, HW Jang Neuromorphic Computing and Engineering 4 (3), 032003	7	2024
Interference haptic stimulation and consistent quantitative tactility in transparent electrotactile screen with pressure-sensitive transistors K Lim, J Lee, S Kim, M Oh, CS Koh, H Seo, YM Hong, WG Chung, J Jang, ... Nature communications 15 (1), 7147	2	2024
Three-dimensional electrodes of liquid metals for long-term, wireless cardiac analysis and modulation S Kim, J Lee, WG Chung, YM Hong, W Park, JA Lim, JU Park ACS nano 18 (35), 24364-24378	16	2024
Anti-distortion bioinspired camera with an inhomogeneous photo-pixel array C Choi, H Hinton, H Seung, S Chang, JS Kim, W You, MS Kim, JP Hong, ... Nature Communications 15 (1), 6021	6	2024
Chiral Diketopyrrolopyrrole-Based Conjugated Polymers with Intramolecular Rotation–Isomeric Conformation Asymmetry for Near-Infrared Circularly Polarized Light-Sensing Organic … H Han, JH Choi, J Ahn, H Lee, C Choi, W Jung, J Yeom, DK Hwang, ... ACS Applied Materials & Interfaces 15 (49), 57447-57460	14	2023
Chiroptical Synaptic Heterojunction Phototransistors Based on Self‐Assembled Nanohelix of π‐Conjugated Molecules for Direct Noise‐Reduced Detection of Circularly Polarized Light H Lee, JH Hwang, SH Song, H Han, SJ Han, BL Suh, K Hur, J Kyhm, ... Advanced Science 10 (27), 2304039	22	2023
Advances and challenges in bio-inspired cameras based on flexible and stretchable optoelectronic devices J Hwang, JI Kwon, MK Choi, JA Lim, C Choi IEEE Journal of Selected Topics in Quantum Electronics 30 (3: Flexible …		2023
Innovativeness in tradition: a study on the physical performance of leather scale armors during the Joseon Dynasty	2	2023

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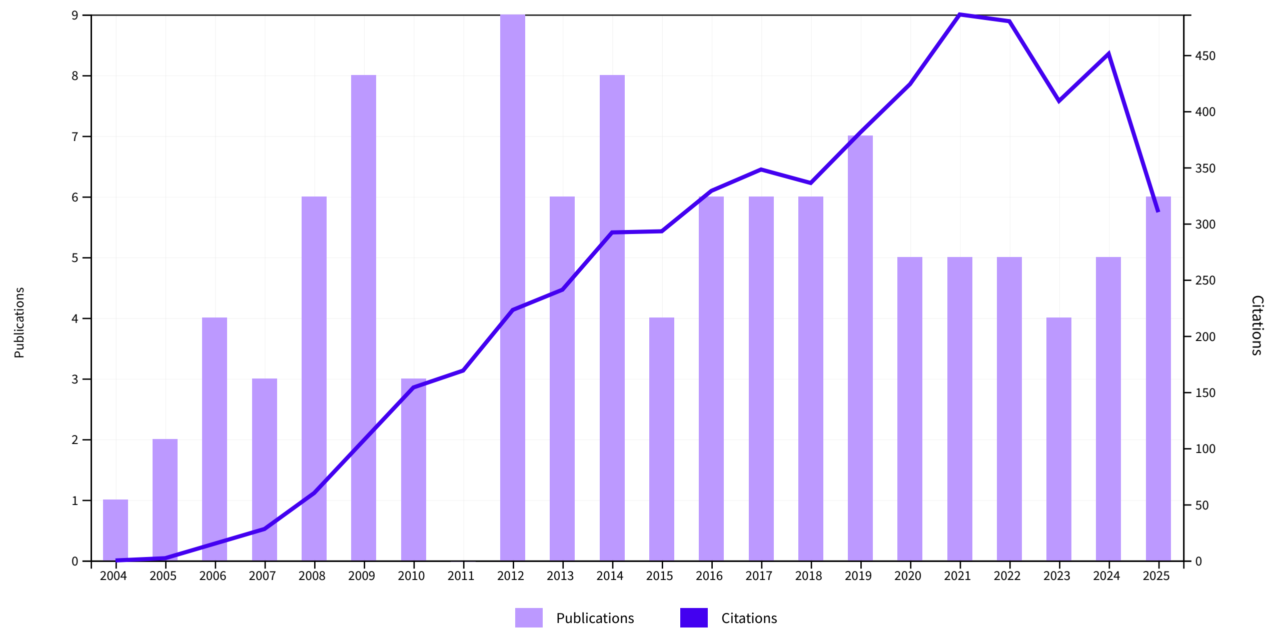

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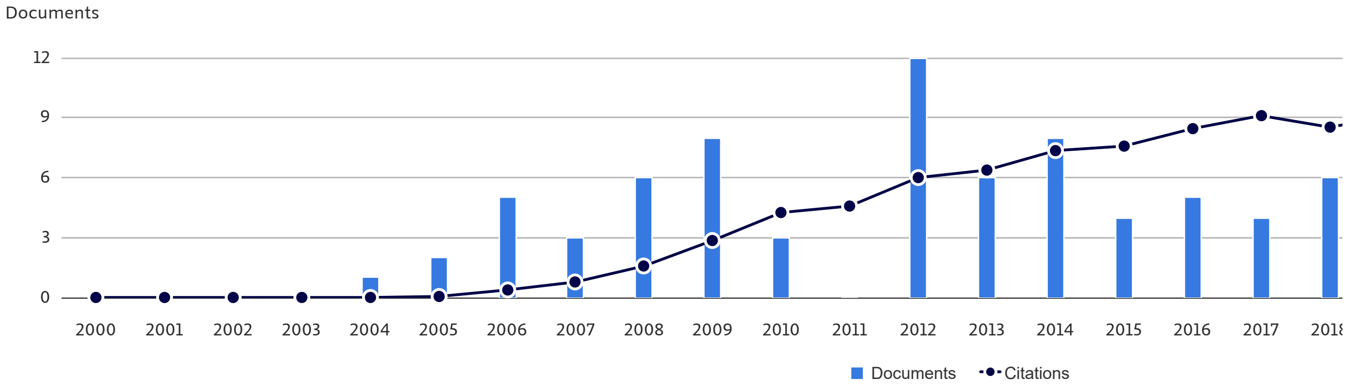

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4	Implantable Soft Neural Electrodes of Liqu...	2025	0	0	0	0	0	0	0	0	0	0	7
5	Transferred Chiroptical Transitions in Chira...	2024	0	0	0	0	0	0	0	0	0	0	5
6	Interference haptic stimulation and consis...	2024	0	0	0	0	0	0	0	0	0	0	6
7	Anti-distortion bioinspired camera with an...	2024	0	0	0	0	0	0	0	0	0	0	5
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10	Innovativeness in tradition: a study on the ...	2023	0	0	0	0	0	0	0	0	0	0	1
11	Chiroptical Synaptic Heterojunction Photo...	2023	0	0	0	0	0	0	0	0	0	0	15
12	Fibriform Organic Electrochemical Diodes ...	2023	0	0	0	0	0	0	0	0	0	0	10
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