

Seungmin Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3491146/publications.pdf>

Version: 2024-02-01

18
papers

1,888
citations

759055

12
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	A soft, wearable microfluidic device for the capture, storage, and colorimetric sensing of sweat. <i>Science Translational Medicine</i> , 2016, 8, 366ra165.	5.8	933
2	Fully implantable and bioresorbable cardiac pacemakers without leads or batteries. <i>Nature Biotechnology</i> , 2021, 39, 1228-1238.	9.4	163
3	Stretchable, dynamic covalent polymers for soft, long-lived bioresorbable electronic stimulators designed to facilitate neuromuscular regeneration. <i>Nature Communications</i> , 2020, 11, 5990.	5.8	144
4	Soft, thin skin-mounted power management systems and their use in wireless thermography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6131-6136.	3.3	139
5	A transient, closed-loop network of wireless, body-integrated devices for autonomous electrotherapy. <i>Science</i> , 2022, 376, 1006-1012.	6.0	90
6	Wirelessly controlled, bioresorbable drug delivery device with active valves that exploit electrochemically triggered crevice corrosion. <i>Science Advances</i> , 2020, 6, eabb1093.	4.7	87
7	Battery-free, wireless soft sensors for continuous multi-site measurements of pressure and temperature from patients at risk for pressure injuries. <i>Nature Communications</i> , 2021, 12, 5008.	5.8	83
8	Soft, skin-interfaced microfluidic systems with integrated enzymatic assays for measuring the concentration of ammonia and ethanol in sweat. <i>Lab on A Chip</i> , 2020, 20, 84-92.	3.1	67
9	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 2000941.	7.8	67
10	Dry Transient Electronic Systems by Use of Materials that Sublime. <i>Advanced Functional Materials</i> , 2017, 27, 1606008.	7.8	34
11	Materials Chemistry of Neural Interface Technologies and Recent Advances in Three-Dimensional Systems. <i>Chemical Reviews</i> , 2022, 122, 5277-5316.	23.0	31
12	A discrete core-shell-like micro-light-emitting diode array grown on sapphire nano-membranes. <i>Scientific Reports</i> , 2020, 10, 7506.	1.6	15
13	Highly polarized photoluminescence from c-plane InGaN/GaN multiple quantum wells on stripe-shaped cavity-engineered sapphire substrate. <i>Scientific Reports</i> , 2019, 9, 8282.	1.6	11
14	Selective Area Growth of GaN Using Polycrystalline $\hat{\Gamma}^3$ -Alumina as a Mask for Discrete Micro-GaN Array. <i>Crystal Growth and Design</i> , 2022, 22, 1770-1777.	1.4	7
15	Linearly polarized photoluminescence of anisotropically strained c-plane GaN layers on stripe-shaped cavity-engineered sapphire substrate. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	6
16	Self-Assembled Size-Tunable Microlight-Emitting Diodes Using Multiple Sapphire Nanomembranes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25781-25791.	4.0	4
17	Fabrication of Less Bowed Light-Emitting Diodes on Sapphire Substrates with a SiO ₂ Thin Film on Their Back Sides. <i>Journal of the Korean Physical Society</i> , 2019, 75, 480-484.	0.3	2
18	Transient Electronics: Dry Transient Electronic Systems by Use of Materials that Sublime (Adv. Funct.)	7.8	0