

# Juyoung Leem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2725544/publications.pdf>

Version: 2024-02-01

24  
papers

1,269  
citations

430874

18  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic sensors based on graphene and graphene hybrid materials. <i>Nano Convergence</i> , 2022, 9, .	12.1	23
2	High thermoelectric figure of merit of porous Si nanowires from 300 to 700â€‰%K. <i>Nature Communications</i> , 2021, 12, 3926.	12.8	26
3	Large scale self-assembly of plasmonic nanoparticles on deformed graphene templates. <i>Scientific Reports</i> , 2021, 11, 12232.	3.3	10
4	Kirigami-inspired strain-insensitive sensors based on atomically-thin materials. <i>Materials Today</i> , 2020, 34, 58-65.	14.2	65
5	Curved neuromorphic image sensor array using a MoS <sub>2</sub> -organic heterostructure inspired by the human visual recognition system. <i>Nature Communications</i> , 2020, 11, 5934.	12.8	182
6	Interaction of 2D materials with liquids: wettability, electrochemical properties, friction, and emerging directions. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	53
7	Ultrasensitive detection of nucleic acids using deformed graphene channel field effect biosensors. <i>Nature Communications</i> , 2020, 11, 1543.	12.8	251
8	A snapshot review on exciton engineering in deformed 2D materials. <i>MRS Advances</i> , 2020, 5, 3491-3506.	0.9	1
9	Hybrid Sensors: Colloidal Photonic Crystal Strain Sensor Integrated with Deformable Graphene Phototransducer ( <i>Adv. Funct. Mater.</i> 33/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970229.	14.9	0
10	Dynamic Radiative Thermal Management by Crumpled Graphene. , 2019, , .		1
11	Ultraviolet to Mid-Infrared Emissivity Control by Mechanically Reconfigurable Graphene. <i>Nano Letters</i> , 2019, 19, 5086-5092.	9.1	48
12	Crack-assisted, localized deformation of van der Waals materials for enhanced strain confinement. <i>2D Materials</i> , 2019, 6, 044001.	4.4	11
13	Uniaxially crumpled graphene as a platform for guided myotube formation. <i>Microsystems and Nanoengineering</i> , 2019, 5, 53.	7.0	26
14	Colloidal Photonic Crystal Strain Sensor Integrated with Deformable Graphene Phototransducer. <i>Advanced Functional Materials</i> , 2019, 29, 1902216.	14.9	51
15	Photonic crystallization of two-dimensional MoS <sub>2</sub> for stretchable photodetectors. <i>Nanoscale</i> , 2019, 11, 13260-13268.	5.6	43
16	High-Mobility MoS <sub>2</sub> Directly Grown on Polymer Substrate with Kinetics-Controlled Metalâ€“Organic Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2019, 1, 608-616.	4.3	47
17	A stretchable crumpled graphene photodetector with plasmonically enhanced photoresponsivity. <i>Nanoscale</i> , 2017, 9, 4058-4065.	5.6	81
18	Mechanical instability driven self-assembly and architecturing of 2D materials. <i>2D Materials</i> , 2017, 4, 022002.	4.4	28

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Integration of Graphene via Swelling, Shrinking, and Adaptation. <i>Nano Letters</i> , 2015, 15, 4525-4531.	9.1	53
20	Mechanically Self-Assembled, Three-Dimensional Graphene-Gold Hybrid Nanostructures for Advanced Nanoplasmonic Sensors. <i>Nano Letters</i> , 2015, 15, 7684-7690.	9.1	151
21	Photoinduced synthesis of Ag nanoparticles on ZnO nanowires for real-time SERS systems. <i>RSC Advances</i> , 2015, 5, 51-57.	3.6	17
22	Continuous synthesis of zinc oxide nanoparticles in a microfluidic system for photovoltaic application. <i>Nanoscale</i> , 2014, 6, 2840.	5.6	36
23	Controllable Ag nanostructure patterning in a microfluidic channel for real-time SERS systems. <i>Nanoscale</i> , 2014, 6, 2895.	5.6	47
24	Vacuum-assisted microcontact printing ( $\mu$ CP) for aligned patterning of nano and biochemical materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 268-274.	5.5	18