

Taeshik Yoon

List of Publications by Year in descending order

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16
papers

1,264
citations

759233

12
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

2124
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Mechanical Properties of Graphene/Copper Nanocomposites Using a Molecular-Level Mixing Process. <i>Advanced Materials</i> , 2013, 25, 6724-6729.	21.0	590
2	Direct Measurement of Adhesion Energy of Monolayer Graphene As-Grown on Copper and Its Application to Renewable Transfer Process. <i>Nano Letters</i> , 2012, 12, 1448-1452.	9.1	352
3	Flexible and Transparent Graphene Electrode Architecture with Selective Defect Decoration for Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2018, 28, 1704435.	14.9	67
4	Healing Graphene Defects Using Selective Electrochemical Deposition: Toward Flexible and Stretchable Devices. <i>ACS Nano</i> , 2016, 10, 1539-1545.	14.6	47
5	Controlling Interfacial Reactions and Intermetallic Compound Growth at the Interface of a Lead-free Solder Joint with Layer-by-Layer Transferred Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5679-5686.	8.0	45
6	Penetration and lateral diffusion characteristics of polycrystalline graphene barriers. <i>Nanoscale</i> , 2014, 6, 151-156.	5.6	41
7	Prevention of Water Permeation by Strong Adhesion Between Graphene and SiO ₂ Substrate. <i>Small</i> , 2014, 10, 1704-1711.	10.0	32
8	Thermal expansion behavior of thin films expanding freely on water surface. <i>Scientific Reports</i> , 2019, 9, 7071.	3.3	20
9	Display process compatible accurate graphene patterning for OLED applications. <i>2D Materials</i> , 2018, 5, 014003.	4.4	17
10	Doping suppression and mobility enhancement of graphene transistors fabricated using an adhesion promoting dry transfer process. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	13
11	Superstrong encapsulated monolayer graphene by the modified anodic bonding. <i>Nanoscale</i> , 2014, 6, 547-554.	5.6	13
12	Role of Crack Deflection on Rate Dependent Mechanical Transfer of Multilayer Graphene and Its Application to Transparent Electrodes. <i>ACS Applied Nano Materials</i> , 2019, 2, 1980-1985.	5.0	13
13	Liquid-assisted adhesion control of graphene-copper interface for damage-free mechanical transfer. <i>Applied Surface Science</i> , 2021, 551, 149229.	6.1	9
14	High-Yield Etching-Free Transfer of Graphene: A Fracture Mechanics Approach. <i>Journal of the Microelectronics and Packaging Society</i> , 2014, 21, 59-64.	0.1	4
15	Moisture Effects on NCF Adhesion and Solder Joint Reliability of Chip-on-Board Assembly Using Cu Pillar/Sn-Ag Microbump. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, 7, 371-378.	2.5	1
16	Mechanical reliability of Cu/low-k interconnects and underfill. , 2012, , .		0