

# Taeshik Yoon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11199410/publications.pdf>

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