

# Kyung Yong Ko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6192492/publications.pdf>

Version: 2024-02-01

18  
papers

1,259  
citations

623574

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h-index

839398

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all docs

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docs citations

18  
times ranked

2149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Gas-Sensing Performance of Large-Area Tungsten Disulfide Nanosheets by Surface Functionalization. ACS Nano, 2016, 10, 9287-9296.	7.3	351
2	Micropatternable Double-Faced ZnO Nanoflowers for Flexible Gas Sensor. ACS Applied Materials & Interfaces, 2017, 9, 32876-32886.	4.0	147
3	Low-temperature synthesis of 2D MoS <sub>2</sub> on a plastic substrate for a flexible gas sensor. Nanoscale, 2018, 10, 9338-9345.	2.8	142
4	Recovery Improvement for Large-Area Tungsten Diselenide Gas Sensors. ACS Applied Materials & Interfaces, 2018, 10, 23910-23917.	4.0	115
5	Hydrophobicity of Rare Earth Oxides Grown by Atomic Layer Deposition. Chemistry of Materials, 2015, 27, 148-156.	3.2	106
6	2D Transition Metal Dichalcogenide Heterostructures for p- and n-Type Photovoltaic Self-Powered Gas Sensor. Advanced Functional Materials, 2020, 30, 2003360.	7.8	102
7	High-Performance Gas Sensor Using a Large-Area WS <sub>2</sub> /Se <sub>2</sub> Alloy for Low-Power Operation Wearable Applications. ACS Applied Materials & Interfaces, 2018, 10, 34163-34171.	4.0	93
8	Catalytic chemical vapor deposition of large-area uniform two-dimensional molybdenum disulfide using sodium chloride. Nanotechnology, 2017, 28, 465103.	1.3	42
9	High-Performance Flexible ZnO Nanorod UV/Gas Dual Sensors Using Ag Nanoparticle Templates. ACS Applied Materials & Interfaces, 2018, 10, 31505-31514.	4.0	41
10	Highly-conformal p-type copper(I) oxide (Cu <sub>2</sub> O) thin films by atomic layer deposition using a fluorine-free amino-alkoxide precursor. Applied Surface Science, 2015, 349, 673-682.	3.1	35
11	Nitrogen-doped ZnO/n-Si core-shell nanowire photodiode prepared by atomic layer deposition. Materials Science in Semiconductor Processing, 2015, 33, 154-160.	1.9	19
12	High efficiency n-ZnO/p-Si core-shell nanowire photodiode based on well-ordered Si nanowire array with smooth surface. Materials Science in Semiconductor Processing, 2014, 27, 297-302.	1.9	17
13	ZnO homojunction core-shell nanorods ultraviolet photo-detecting diodes prepared by atomic layer deposition. Sensors and Actuators A: Physical, 2014, 210, 197-204.	2.0	17
14	Plasma enhanced atomic layer deposition of magnesium oxide as a passivation layer for enhanced photoluminescence of ZnO nanowires. Journal of Luminescence, 2014, 145, 307-311.	1.5	14
15	High efficiency n-Si/p-Cu <sub>2</sub> O core-shell nanowires photodiode prepared by atomic layer deposition of Cu <sub>2</sub> O on well-ordered Si nanowires array. Electronic Materials Letters, 2016, 12, 404-410.	1.0	14
16	High Performance Core-Shell Nanowire Array Devices Prepared by Atomic Layer Deposition. ECS Transactions, 2013, 50, 127-133.	0.3	2
17	Self-Powered Gas Sensors: 2D Transition Metal Dichalcogenide Heterostructures for p- and n-Type Photovoltaic Self-Powered Gas Sensor (Adv. Funct. Mater. 43/2020). Advanced Functional Materials, 2020, 30, 2070284.	7.8	1
18	Surface Wettability of Nitrogen-Doped TiO <sub>2</sub> Films Prepared by Atomic Layer Deposition Using NH <sub>4</sub> OH as the Doping Source. Nanoscience and Nanotechnology Letters, 2018, 10, 779-783.	0.4	1