

# Seokhyoung Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7307299/publications.pdf>

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14  
papers

636  
citations

933447

10  
h-index

1058476

14  
g-index

14  
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14  
docs citations

14  
times ranked

1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Solar Cells: From Rational Design to Mechanism Overview. <i>Chemical Reviews</i> , 2016, 116, 14982-15034.	47.7	333
2	Remote nongenetic optical modulation of neuronal activity using fuzzy graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13339-13349.	7.1	52
3	Designing Morphology in Epitaxial Silicon Nanowires: The Role of Gold, Surface Chemistry, and Phosphorus Doping. <i>ACS Nano</i> , 2017, 11, 4453-4462.	14.6	46
4	Self-Catalyzed Vapor-Liquid-Solid Growth of Lead Halide Nanowires and Conversion to Hybrid Perovskites. <i>Nano Letters</i> , 2017, 17, 7561-7568.	9.1	37
5	Optical Bound States in the Continuum with Nanowire Geometric Superlattices. <i>Physical Review Letters</i> , 2019, 122, 187402.	7.8	37
6	Chemically Engraving Semiconductor Nanowires: Using Three-Dimensional Nanoscale Morphology to Encode Functionality from the Bottom Up. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 685-692.	4.6	28
7	Mie-Resonant Three-Dimensional Metacrystals. <i>Nano Letters</i> , 2020, 20, 8096-8101.	9.1	28
8	Mie-coupled bound guided states in nanowire geometric superlattices. <i>Nature Communications</i> , 2018, 9, 2781.	12.8	21
9	Geometric Nanophotonics: Light Management in Single Nanowires through Morphology. <i>Accounts of Chemical Research</i> , 2019, 52, 3511-3520.	15.6	20
10	Encoding Highly Nonequilibrium Boron Concentrations and Abrupt Morphology in p-Type/n-Type Silicon Nanowire Superlattices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37105-37111.	8.0	17
11	Colloidal Plasmonic Nanocubes as Capacitor Building Blocks for Multidimensional Optical Metamaterials: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 9976-9984.	5.0	7
12	Large-Area, Highly Crystalline DNA-Assembled Metasurfaces Exhibiting Widely Tunable Epsilon-Near-Zero Behavior. <i>ACS Nano</i> , 2021, 15, 18289-18296.	14.6	5
13	Semi-transparent, flexible, and electrically conductive silicon mesh by capillarity-driven welding of vapor-liquid-solid-grown nanowires over large areas. <i>Nano Research</i> , 2020, 13, 1465-1471.	10.4	4
14	Photonics of Sub-Wavelength Nanowire Superlattices. <i>MRS Advances</i> , 2019, 4, 2759-2769.	0.9	1