

# Seungchul Kim

## List of Publications by Year in descending order

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16  
papers

263  
citations

1307594

7  
h-index

996975

15  
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all docs

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docs citations

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times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneously Controllable Doping Sites and the Activity of a W <sup>4+</sup> /N Codoped TiO <sub>2</sub> Photocatalyst. ACS Catalysis, 2016, 6, 2745-2753.	11.2	84
2	Synergistic Oxygen Evolving Activity of a TiO <sub>2</sub> -Rich Reconstructed SrTiO <sub>3</sub> (001) Surface. Journal of the American Chemical Society, 2015, 137, 2939-2947.	13.7	58
3	Synergetic control of band gap and structural transformation for optimizing TiO <sub>2</sub> photocatalysts. Applied Catalysis B: Environmental, 2017, 210, 513-521.	20.2	37
4	An ideal polymeric C60 coating on a Si electrode for durable Li-ion batteries. Carbon, 2014, 77, 1140-1147.	10.3	19
5	<i>In situ</i> Raman spectroscopy of current-carrying graphene microbridge. Journal of Raman Spectroscopy, 2014, 45, 168-172.	2.5	11
6	Categorization of atomic mixing patterns in bimetallic nanoparticles by the energy competition. Physical Chemistry Chemical Physics, 2020, 22, 7787-7793.	2.8	9
7	Solution-processed graphene oxide electrode for supercapacitors fabricated using low temperature thermal reduction. RSC Advances, 2020, 10, 22102-22111.	3.6	8
8	Effects of Y Dopant on Lattice Distortion and Electrical Properties of In <sub>3</sub> SbTe <sub>2</sub> Phase-Change Material. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700275.	2.4	6
9	Hydrogen-free defects in hydrogenated black TiO <sub>2</sub> . Physical Chemistry Chemical Physics, 2018, 20, 19871-19876.	2.8	6
10	Detecting gas molecules via atomic magnetization. Dalton Transactions, 2014, 43, 13070-13075.	3.3	5
11	Computational Evaluation of Amorphous Carbon Coating for Durable Silicon Anodes for Lithium-Ion Batteries. Nanomaterials, 2015, 5, 1654-1666.	4.1	5
12	Strategy to utilize amorphous phase of semiconductor toward excellent and reliable photochemical water splitting performance: Roles of interface dipole moment and reaction parallelization. International Journal of Energy Research, 2022, 46, 3674-3685.	4.5	5
13	Rational design of dynamic Z-scheme heterojunction composites for photocatalytic Cr(VI) reduction and H <sub>2</sub> production: an experimental and computational study. Chemical Engineering Journal Advances, 2022, 12, 100363.	5.2	5
14	Role of Aluminum Doping in Anatase $\leftrightarrow$ Rutile Transformation from Thermodynamic View Point. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800234.	2.4	4
15	Large Vibrational Free Energy of Tightly Bonded Small Chemicals on Metal Surfaces. Applied Surface Science, 2021, 575, 151778.	6.1	1
16	Effects of Y Dopant on Lattice Distortion and Electrical Properties of In <sub>3</sub> SbTe <sub>2</sub> Phase-Change Material (Phys. Status Solidi RRL 11/2017). Physica Status Solidi - Rapid Research Letters, 2017, 11, 1770356.	2.4	0