

# Hyeongwoo Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

605  
citations

623734

14  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

819  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Surfactant-assisted ammonium vanadium oxide as a superior cathode for calcium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22645-22654.   | 10.3 | 73        |
| 2  | Polydopamine-derived N-doped carbon-wrapped Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode with superior rate capability and cycling stability for sodium-ion batteries. <i>Nano Research</i> , 2019, 12, 397-404. | 10.4 | 71        |
| 3  | A nano-LiNbO <sub>3</sub> coating layer and diffusion-induced surface control towards high-performance 5ÅV spinel cathodes for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25077-25089.                     | 10.3 | 67        |
| 4  | Self-assembled N-doped MoS <sub>2</sub> /carbon spheres by naturally occurring acid-catalyzed reaction for improved sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 387, 124144.   | 12.7 | 62        |
| 5  | Selective TiO <sub>2</sub> Nanolayer Coating by Polydopamine Modification for Highly Stable Ni-Rich Layered Oxides. <i>ChemSusChem</i> , 2019, 12, 5253-5264.  | 6.8  | 47        |
| 6  | Synthesis of Bi <sub>2</sub> S <sub>3</sub> /C yolk-shell composite based on sulfur impregnation for efficient sodium storage. <i>Chemical Engineering Journal</i> , 2020, 383, 123094.  | 12.7 | 45        |
| 7  | Compositional core-shell design by nickel leaching on the surface of Ni-rich cathode materials for advanced high-energy and safe rechargeable batteries. <i>Journal of Power Sources</i> , 2018, 400, 87-95.                               | 7.8  | 43        |
| 8  | Bifunctional Surface Coating of LiNbO <sub>3</sub> on High-Ni Layered Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35098-35104.  | 8.0  | 43        |
| 9  | Surfactant-based selective assembly approach for Si-embedded silicon oxycarbide composite materials in lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 401, 126091.   | 12.7 | 37        |
| 10 | Coaxial-nanostructured MnFe <sub>2</sub> O <sub>4</sub> nanoparticles on polydopamine-coated MWCNT for anode materials in rechargeable batteries. <i>Nanoscale</i> , 2018, 10, 18949-18960.  | 5.6  | 31        |
| 11 | Few-layer NbSe <sub>2</sub> @graphene heterostructures as anodes in lithium-ion half- and full-cell batteries. <i>Chemical Engineering Journal</i> , 2020, 382, 122981.  | 12.7 | 27        |
| 12 | Sb-ALC 0.75 -C composite anodes for high-performance sodium-ion batteries. <i>Journal of Power Sources</i> , 2017, 340, 393-400.   | 7.8  | 19        |
| 13 | TiNb <sub>2</sub> O <sub>7</sub> microsphere anchored by polydopamine-modified graphene oxide as a superior anode material in lithium-ion batteries. <i>International Journal of Energy Research</i> , 2020, 44, 4986-4996.                | 4.5  | 16        |
| 14 | A facile control in free-carbon domain with divinylbenzene for the high-rate-performing Sb/SiOC composite anode material in sodium-ion batteries. <i>International Journal of Energy Research</i> , 2020, 44, 11473-11486.                 | 4.5  | 15        |