

Hyeongwoo Kim

List of Publications by Year in descending order

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