|  |  |  |  |
| --- | --- | --- | --- |
| Title | *In Situ* Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li–Ion Battery Anode | | |
| Author(s) Name | Md. Saidul Islam, Mohammad Razaul Karim, Saiful Islam, Jaekook Kim, Nurun Nahar Rabin, Ryo Ohtani, Masaaki Nakamura, Michio Koinuma, and Shinya Hayami. | | |
| Contact Email(s) | jaekook@chonnam.ac.kr | | |
| Published Journal Name | ChemistrySelect | | |
| Type of Publication | Journal | | |
| Volume | 1 | Issue | 20 |
| Publisher | Wiley-VCH | | |
| Publication Date | December 1, 2016 | | |
| ISSN | 2365-6549 | | |
| DOI | https://doi.org/10.1002/slct.201601363 | | |
| URL | https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/slct.201601363 | | |
| Other Related Info. | Page 6429 – 6433 | | |
|  | | | |

|  |  |
| --- | --- |
| Abstract |  |
| A highly stable composite from in situ growth of silicon oxycarbide phases (SiOC) within reduced graphene oxide (rGO) has been synthesized. The resulted SiOC/rGO anode exhibits high porosity, reversible Li intercalation capacity and a cycling stability of 507 mAhg−1 at 100 mAg−1 (50 cycles). | |