

Окотруб Александр Владимирович

доктор физико-математических наук
заведующий лабораторией физикохимии наноматериалов
Федеральное государственное бюджетное учреждение науки
Институт неорганической химии им. А.В. Николаева
Сибирского отделения Российской академии наук
(ИНХ СО РАН)

Список работ

1. Olga V. Sedelnikova, Vitalii I. Sysoev, Olga A. Gurova, Yurii P. Ivanov, Victor O. Koroteev, Raul Arenal, Anna A. Makarova, Lyubov G. Bulusheva, Alexander V. Okotrub, Role of interface interactions in the sensitivity of sulfur-modified single-walled carbon nanotubes for nitrogen dioxide gas sensing, Carbon, Volume 186, 2022, Pages 539-549, <https://doi.org/10.1016/j.carbon.2021.10.056>
2. Dmitri A. Bulushev, Alina D. Nishchakova, Svetlana V. Trubina, Olga A. Stonkus, Igor P. Asanov, Alexander V. Okotrub, Lyubov G. Bulusheva, Ni-N4 sites in a single-atom Ni catalyst on N-doped carbon for hydrogen production from formic acid, Journal of Catalysis, Volume 402, 2021, Pages 264-274, <https://doi.org/10.1016/j.jcat.2021.08.044>
3. O.A. Gurova, V.E. Arhipov, V.O. Koroteev, T.Ya. Guselnikova, I.P. Asanov, O.V. Sedelnikova, A.V. Okotrub Purification of single-walled carbon nanotubes using acid treatment and magnetic separation Phys. Status Solidi A (2019), Article 1800742, <https://doi.org/10.1002/pssb.201800742>
4. Yu.V. Fedoseeva, L.G. Bulusheva, V.O. Koroteev, J.-Y. Mevellec, B.V. Senkovskiy, E. Flahaut, A.V. Okotrub, Preferred attachment of fluorine near oxygen-containing groups on the surface of double-walled carbon nanotubes, Applied Surface Science, Volume 504, 2020, 144357, <https://doi.org/10.1016/j.apsusc.2019.144357>
5. R.D. Yamaletdinov, Y.A. Nikiforov, L.G. Bulusheva, A.V. Okotrub Fluorine patterning of graphene: effects of fluorine content and temperature Nanoscale, 13 (2021), pp. 1206-1212 <https://doi.org/10.1039/D0NR06325H>
6. O.V. Sedelnikova, Yu.V. Fedoseeva, A.I. Romanenko, A.V. Gusel'nikov, O.Yu. Vilkov, E.A. Maksimovskiy, D.S. Bychanok, P.P. Kuzhir, L.G. Bulusheva, A.V. Okotrub, Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon, Carbon, Volume 143, 2019, Pages 660-668, <https://doi.org/10.1016/j.carbon.2018.11.071>