Сведения о ведущей организации:

полное наименование и сокращенное наименование

Федеральное государственное бюджетное научное учреждение "Технологический институт сверхтвердых и новых углеродных материалов" (ФГБНУ ТИСНУМ)

почтовый адрес, телефон (при наличии), адрес электронной почты (при наличии), адрес официального сайта в сети «Интернет» (при наличии)

108840, г. Москва, г. Троицк, ул. Центральная, д. 7а
Тел.: +7 (499) 400-62-25
E-mail: info@tisnum.ru
http://www.tisnum.ru

список основных публикаций работников ведущей организации по теме диссертации за последние 5 лет (не более 15 публикаций)

1. *Khaskov M.A. Influence of sulfur on yield and morphology of long carbon nanotubes / Khaskov M.A., Karaeva A.R., Mitberg È.B., Mordkovich V.Z. // Zhurnal Tekhnicheskoi Fiziki. – 2025. – V. 95. – № 2. – P. 344–350.*
2. *Mordkovich V.Z. Thermo-oxidative degradation of carbon nanotubes and related nanostructures: role of acidic environment and chloride ions / Mordkovich V.Z., Khaskov M.A., De V.V., Naumova V.A., Karaeva A.R. // Fullerenes, Nanotubes and Carbon Nanostructures. – 2024. – V. 32. – № 7. – P. 682–689.*
3. *Babkin A.V. Single-, Double-, and Multi-Walled Carbon Nanotubes as Electrically Conductive Additives to Lithium-Ion Battery Cathodes / Babkin A.V., Kubarkov A.V., Drozhzhin O.A., Urvanov S.A., Filimonenkov I.S., Tkachev A.G., Mordkovich V.Z., Sergeyev V.G., Antipov E.V. // Doklady Chemistry. – 2023. – V. 508. – № 1. – P. 1-9.*
4. *Mordkovich V.Z. The Importance of Water for Purification of Longer Carbon Nanotubes for Nanocomposite Applications / Mordkovich V.Z., Khaskov M.A., Naumova V.A., De V.V., Kulnitskiy B.A., Karaeva A.R. // Journal of Composites Science. – 2023. – V. 7. – № 2. – P. 79-89.*
5. *Filimonenkov I.S. Wet oxidative functionalization of carbon nanotube cloth to boost its performance as a flexible supercapacitor electrode / Filimonenkov I.S., Urvanov S.A., Kazennov N.V., Karaeva A.R., Skryleva E.A., Solomonik I.G., Batova N.I., Kurzhumbaev D.Zh, Tsirlina G.A., Mordkovich V.Z. // Electrochimica Acta. – 2023. – V. 437. – P. 141501.*
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7. *Pugolovkin L.V. Cathodic deposition of manganese oxide for fabrication of hybrid recharging materials based on flexible CNT cloth supercapacitors / Pugolovkin L.V., Levin E.E., Arkharova N.A., Orekhov A.S., Urvanov S.A., Mordkovich V.Z., Tsirlina G.A. // Electrochimica Acta. – 2022. – V. 412. – P. 140131.*
8. *Mordkovich V.Z. Epoxy Nanocomposites with Carbon Nanotubes Produced by Floating Catalyst CVD / Mordkovich V.Z., Kondrashov S.V., Karaeva A.R., Urvanov S.A., Kazennov N.V., Mitberg E.B., Pushina E.A. // Nanomaterials. – 2021. – V. 11. – № 5. – P. 1213.*
9. *Eseev M.K. A Superhydrophobic Coating Based on Onion-Like Carbon Nanoparticles / Eseev M.K., Kapustin S.N., Lugvishchuk D.S., Mordkovich V.Z., Lyakh N.L. // Technical Physics Letters. – 2020. – V. 46. – № 11. – P. 1120-1123.*
10. *Kulnitskiy B.A. Cubic and tetragonal maghemite formation inside carbon nanotubes under chemical vapor deposition process conditions / Kulnitskiy B.A., Mordkovich V.Z.,*

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12. Lugvishchuk D.S. Irreversible high pressure phase transformation of onion-like carbon due to shell confinement / Lugvishchuk D.S., Mitberg E.B., Kulnitskiy B.A., Skryleva E.A., Parkhomenko Y.N., Popov M.Yu, Churkin V.D., Mordkovich V.Z. // Diamond and Related Materials. – 2020. – V. 107. – № 11. – P. 107908.

13. Pushina E.A. Investigation of structural and physical properties of composite catalyst support with exfoliated graphite additive / Pushina E.A., Karaeva A.R., Solomonik I.G., Urvanov S.A., Mordkovich V.Z. // Advanced Materials and Technologies. – 2020. – V. 2. – № 18. – P. 19-24.