

Dr. habil. Maria Brzhezinskaya
SCIENTIFIC PUBLICATIONS

Book chapters

Belenkov E.A., **Brzhezinskaya M.**, Mavrinskii V.V. chapter “*Structure and properties of graphynes*” in book “Handbook on the Graphene: Graphene-like 2D Materials (Vol. 3)”, M. Zhang (Ed.) Wiley-Scrivener, 2019 (ISBN-13: 978-1119469650).

Yalovega G.E., Shmatko V.A., Funik A.O., **Brzhezinskaya M.** chapter “*Morphology, atomic and electronic structure of metal oxide (CuO_x, SnO_x) nanocomposites and thin films*”, in book “Advanced Materials: Manufacturing, Physics, Mechanics and Applications”, I.A. Parinov, S.-H. Chang, V.Yu. Topolov (Ed.), Springer, Proceedings in Physics, Vol. 175, 2016, pp. 299-315 (DOI: 10.1007/978-3-319-26324-3_21).

Brzhezinskaya M.M., Vinogradov A.S. chapter “*Electronic structure of fluorinated carbon nanotubes*” in book “Carbon Nanotubes”, IN-TECH, Vukovar, 2010, pp. 67-92. (ISBN: 978-953-307-054-4).

Brzhezinskaya M.M., Baitinger E.M. chapter “*Plasmons in Carbon Nanotubes*” in book “Trends in Carbon Nanotube Research”, D.A. Martin (Ed.), Nova Science Publishers, Inc., New York, 2005, pp. 235-275. (ISBN: 1-59454-791-2).

Journal articles

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Mikoushkin V.M., Makarevskaya E.A., **Brzhezinskaya M.** *Effect of ion irradiation on GaAs core-level electron binding energies and band structure // Applied Surface Science, 2021, Vol. 539, pp. 148273.*

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Brzhezinskaya M., Svechnikov N.Yu., Stankevich V.G., Lebedev A.M., Sukhanov L.P., Menshikov K.A. *Characterization of amorphous hydrocarbon CD_x films (x ~ 0.5) for energy storage applications // Fullerenes, Nanotubes and Carbon Nanostructures, 2020, Vol. 28(3), pp. 173-178.*

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Kobernik N.V., Mikheev R.S., **Brzhezinskaya M.**, Aleshin N.P. *The effect of carbon nanotubes on structure and properties of the antifriction coatings produced by plasma cladding // Fullerenes, Nanotubes and Carbon Nanostructures, 2020, Vol. 28(7), pp. 515-520.*

Rabchinskii M.K., Ryzhkov S.A., Gudkov M.V., Baidakova M.V., Saveliev S.D., Pavlov S.I., Shnitov V.V., Kirilenko D.A., Stolyarova D.Yu., Lebedev A.M., Chumakov R., **Brzhezinskaya M.**, Shiyanova K.A., Makarova A., Pavlov S.V., Kislenco V.A., Kislenco S.A., Melnikov V.P., Brunkov P.N. *Unraveling the GO nitrogen doping*

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