

**Список основных публикаций А. Г. Кочур по смежным оппонируемой диссертации
тематикам в рецензируемых изданиях за последние 5 лет**

1. A.G.Kochur, A.P.Chaynikoov, V.A.Yavna Monte-Carlo study of the effect of small admixture of iron atoms on the energy absorbed by solid disordered neon irradiated by near-Fe1s-threshold photons Eur. Phys. J. D (2019) 73: 80, <https://doi.org/10.1140/epjd/e2019-90185-2>
2. A.G.Kochur, A.P.Chaynikoov, V.A.Yavna Monte-Carlo study of the effect of small admixtures of iron atoms on the energy absorbed by water irradiated by near-Fe1s-threshold photons J. Electron Spectrosc. Relat. Phenom. 238 (2020) 146863, pp 1-7. DOI: <https://doi.org/10.1016/j.elspec.2019.05.012>.
3. A.T.Kozakov, A.G.Kochur, A.V.Nikolskii, I.P.Raevski, S.P.Kubrin, S.I.Raevskaya, V.V.Titov, A.A.Gusev, V.P.Isupov, G.Li, I.N.Zakharchenko Valence state of B and Ta cations in the $AB_{1/2}Ta_{1/2}O_3$ ceramics (A = Ca, Sr, Ba, Pb; B = Fe, Sc) from X-ray photoelectron and Mössbauer spectroscopy data J. Electron Spectrosc. Relat. Phenom. 239 (2020) 146918 pp. 1-14
4. A.G.Kochur, A.P.Chaynikov, V.A.Yavna Monte-Carlo study of the effect of small admixtures of iron atoms on the energy absorbed by water irradiated by near-Fe1s-threshold photons J. Electron Spectrosc. Relat. Phenom. 238 (2020) 146863 pp 1-7
5. A.G.Kochur, A.P.Chaynikov, V.A.Yavna Monte Carlo study of the relative role of energy absorption mechanisms in solid disordered neon under irradiation with photons in the energy range of 4 to 800 Ry Appl. Radiat. Isot. 160 (2020) 109144 DOI: <https://doi.org/10.1016/j.apradiso.2020.109144>
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7. A.T.Kozakov, A.G.Kochur, N.Kumar, K.Panda, A.V.Nikolskii, A.V.Sidashov Determination of sp^2 and sp^3 phase fractions on the surface of diamond films from C1s, valence band X-ray photoelectron spectra and CKVV X-ray-excited Auger spectra Applied Surface Science v., 15 January 2021, 147807, DOI <https://doi.org/10.1016/j.apsusc.2020.147807>
8. A.G.Kochur, A.P.Chaynikov, V.A.Yavna Production of secondary electrons and photons and energy absorption mechanisms in amorphous carbon irradiated by photons in the energy range of 0.03 to 17.4 keV J. Electron Spectrosc. Relat. Phenom. 252 (2021) 147111
9. A.G.Kochur, A.P.Chaynikov, V.A.Yavna Monte Carlo study of the relative role of energy absorption mechanisms in water under irradiation by photons in the energy range of 3–1000 Ry J. Electron Spectrosc. Relat. Phenom. 256 (2022) 147171 DOI: <https://doi.org/10.1016/j.elspec.2022.147171>
10. A.G.Kochur, A.P.Chaynikov, A.I.Dudenko, V.A.Yavna Cascade reemission of energy by inner-shell-ionized iron atom J. Quant. Spectrosc. Radiat. Transf. 286 (2022) 108200 DOI: <https://doi.org/10.1016/j.jqsrt.2022.108200>

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12. A.P.Chaynikov, A.G.Kochur, A.I.Dudenko, I.D.Petrov, V.A.Yavna Final ion charge spectra upon cascade decay of inner-shell vacancies in atomic Au Phys. Scr. 98 (2023) 0254066 21pp. DOI: <https://doi.org/10.1088/1402-4896/acb407>
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14. Alexander P. Chaynikov, Andrei G. Kochur, Alexey Dudenko, Victor A. Yavna Cascade production of secondary electrons and photons and energy absorption mechanisms in liquid nitrogen irradiated by photons in the energy range of 0.027–17.4 keV Radiation Effects and Defects in Solids, 2023, 178:7-8, 820-842 DOI: 10.1080/10420150.2023.2185890
15. A.P.Chaynikov, A.G.Kochur, A.I.Dudenko, V.A.Yavna Final ion yields upon the cascade decay of single K, L, M, and N vacancies in atomic silver Phys. Scr. 98 095402 <https://doi.org/10.1088/1402-4896/aceae6>

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Подпись



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