

Всички цитати (първа част - на научни публикации)

- **Звено: (ИФХ) Институт по физикохимия „Академик Ростислав Каишев”**
- **Година: 2024 ÷ 2024**
- **Тип записи: Записи, които влизат в отчета на звеното**

Брой цитирани публикации: 579

Брой цитиращи източници: 1568

Коригиран брой: 1568.000

1969

1. **Kashchiev, D.** Nucleation at existing cluster size distributions. *Surface Science*, 18, 2, 1969, ISSN:396028, 389-397

Цитирани са в:

1. Ramírez, M., Cassar, D., Rodrigues, L., Baldin, J., Zanotto, E. "Diffusion Proxies Reveal the Dynamic Process in Supercooled and Glassy Lithium Diborate". *Ceramics International*. 50 (19), pp. 35549-35556, 2024, DOI: 10.1016/j.ceramint.2024.06.369, @2024 [Линк](#) 1.000

2. **Kashchiev, D.** Solution of the non-steady state problem in nucleation kinetics. *Surface Science*, 14, 1, 1969, ISSN:396028, 209-220

Цитирани са в:

2. Bilodeau, M., Baker, D. "Quantification of Feldspar and Quartz Nucleation Delay in a Hydrous Peraluminous Granitic Melt". *Minerals*. 14 (6), art. no. 611, 2024, DOI: 10.3390/min14060611, @2024 [Линк](#) 1.000
3. Gardner, D., Wang, H. "Critical Review of Modeling, Measurement, and Prediction of Ice Nucleation on Surfaces". *International Journal of Refrigeration*. 163, pp. 32-44, 2024, DOI: 10.1016/j.ijrefrig.2024.04.005, @2024 [Линк](#) 1.000
4. Mao, M., Yan, Y., Chen, X., Zhou, X., Zhang, X. "Insight into the Nucleation Behavior of Tiamulin Hydrogen Fumarate Methanol Solvate in Methanol-Ethyl Acetate Binary Mixtures", *Journal of Molecular Liquids*. 398, art. no. 124179, 2024, DOI: 10.1016/j.molliq.2024.124179, @2024 [Линк](#) 1.000
5. Ramírez, M., Cassar, D., Rodrigues, L., Baldin, J., Zanotto, E. "Diffusion Proxies Reveal the Dynamic Process in Supercooled and Glassy Lithium Diborate". *Ceramics International*. 50 (19), pp. 35549-35556, 2024, DOI: 10.1016/j.ceramint.2024.06.369, @2024 [Линк](#) 1.000
6. Tipeev, A., Zanotto, E. "Exploring Ice Ic Nucleation and Structural Relaxation in Supercooled Water". *Journal of Molecular Liquids*. 407, art. no. 125165, 2024, DOI: 10.1016/j.molliq.2024.125165, @2024 [Линк](#) 1.000
7. Zuo, D., Yang, K., Wei, H., Wang, Q., Jiang, S., Lin, H., Huan, C., Xu, Z. "Crystallization Kinetics and Thermodynamics of Granitic Pegmatite and Metallogenic Mechanisms of Rare Metals in Pegmatite". *Dizhi Xuebao/Acta Geologica Sinica*. 98 (5), pp. 1489-1506, 2024, DOI: 10.19762/j.cnki.dizhixuebao.2024065, @2024 [Линк](#) 1.000

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3. Rashkov, St., **Stoychev, D.**, Tomov, I.. Influence of Current Density and Temperature on the Morphology and Preferred Orientation of Electrodeposited Copper Coatings. *Electrochimica Acta*, 17, 11, Elsevier, 1972, ISSN:0013-4686, DOI:10.1016/0013-4686(72)80020-3, 1955-1964. SJR:1.288, ISI IF:4.504

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8. Duan, L., Tian, Q., & Xu, Z. Efficient Pulse Electrolysis for Preparing High-Purity Copper. Available at SSRN 4978185. *papers.ssrn.com* Duan, Lianghong and Tian, Qinghua and Xu, Zhipeng, Efficient Pulse Electrolysis for Preparing High-Purity Copper. Available at SSRN: <https://ssrn.com/abstract=4978185> or <http://dx.doi.org/10.2139/ssrn.4978185>, @2024 1.000
9. Zhang, Y., Zhang, H., Tao, J., (...), ye, D., Yi, J., Synergistic optimization of properties in carbon nanotubes reinforced Cu matrix composites prepared by co-deposition, *Ceramics International* 50(11), pp. 18337-18346, 2024, @2024 1.000

4. **Kashchiev D.** On the influence of the electric field on nucleation kinetics. *Philosophical Magazine*, 25, 2, 1972, 459-470

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11. Mostany, J., Scharifker, B., Romero-Romo, M., Palomar-Pardavé, M. "Diffusion-Controlled Three-Dimensional Nucleation Phenomena: A Comprehensive Review of the Standard Model and Extensions". *Nucleation and Growth in Applied Materials*. pp. 15-40, 2024, DOI: 10.1016/B978-0-323-99537-5.00007-6, @2024 [Линк](#) 1.000
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- Цитира се в:
12. Dong, C., Jia, S., Lu, F., Wu, S., Chen, W. "Experimental Study on the Electrically-Triggered Crystallization Behavior of Supercooled Copper Foam-Based and Expanded Graphite-Based Sodium Acetate trihydrate". *Solar Energy Materials and Solar Cells*. 269, art. no. 112766, 2025, DOI: 10.1016/j.solmat.2024.112766, @2024 [Линк](#) 1.000
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15. Lu, F., Chen, W., Hu, S., Chen, L., Sharshir, S.W., Dong, C., Zhang, L. "Achieving a Smart Thermal Management for Lithium-Ion Batteries by Electrically-Controlled Crystallization of Supercooled Calcium Chloride Hexahydrate Solution". *Applied Energy*. 364, art. no. 123180, DOI: 10.1016/j.apenergy.2024.123180, @2024 [Линк](#) 1.000
16. Yuan, K., Rampal, N., Du, X., Shu, F., Wang, Y., Wang, H., Stack, A., Ishai, P., Anovitz, L., Xu, P. "Impact of Magnetic and Electric Fields on the Free Energy to Form a Calcium Carbonate Ion-Pair". *Physical Chemistry Chemical Physics*. 26 (44), pp. 27891-27901, 2024, DOI: 10.1039/d4cp02041c, @2024 [Линк](#) 1.000

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Цитира се в:

19. Katya Ignatova-Atanasova, Chapter IX "Electrodeposition and characterization of Ni and Co-based alloy coatings and powders", p.370 in "Electrochemical Methods for the Synthesis and Analysis of Advanced Functional Layers and Coatings", edited by Stephan Vladimirov Kozhukharov, CanbriScholars Publishing, 2024 ISBN 978-1-0364-1096-4, @2024 1.000

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12. **Kashchiev, D.** On the relation between nucleation work, nucleus size and nucleation rate. J.Chem.Phys., 76, 10, 1981, 5098-5102

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24. de Jager, M., Vega, C., Montero de Hijes, P., Smalenburg, F., Filion, L. "Statistical Mechanics of Crystal Nuclei of Hard Spheres". Journal of Chemical Physics. 161 (18), art. no. 184501, 2024, DOI: 10.1063/5.0226862, @2024 [Линк](#) 1.000
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27. Ma, Y., Huang, M., Mutschke, G., Zhang, X. "Nucleation of Surface Nanobubbles in Electrochemistry: Analysis with Nucleation Theorem". Journal of Colloid and Interface Science. 654, pp. 859-867, 2024, DOI: 10.1016/j.jcis.2023.10.102, @2024 [Линк](#) 1.000
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32. Moffa, S., Carradori, S., Melfi, F., Fontana, A., Ciulla, M., Di Profio, P., Aschi, M., Wolicki, R., Pilato, S., Siani, G. "Fine-Tuning of Membrane Permeability by Reversible Photoisomerization of Aryl-Azo Derivatives of Thymol Embedded in Lipid Nanoparticles". Colloids and Surfaces B: Biointerfaces. 241, art. no. 114043, 2024, DOI: 10.1016/j.colsurfb.2024.114043, @2024 [Линк](#) 1.000

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16. Tomov, I., Stoychev, D., Vitanova, I.. Recovery and recrystallization of electrodeposited bright copper coatings at room temperature. II. X-ray investigation of primary recrystallization. Journal of Applied Electrochemistry, 15, 6, Kluwer Academic Publishers, 1985, ISSN:0021891X, DOI:10.1007/BF00614364, 887-894. ISI IF:2.409

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36. Han, J., Wu, Y., & Liu, X. (2024). Correlation study of self-annealing-induced recrystallization and grain growth mechanism in copper foil. Materials & Design, 243, 113041, 2024, @2024

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51. Bantchev G.B., Ngo H., Chen Y., Winfield D.D., Cermak S.C. "Cold-Flow Properties of Estolides: The Older (D97 and D2500) versus the Mini- (D5773 and D5949) Methods", *Lubricants*, 12 (5), art. no. 141, 2024, @2024 [Линк](#) 1.000
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