

## Всички цитати (първа част - на научни публикации)

- **Звено: ( ИФХ ) Институт по физикохимия „Академик Ростислав Каишев”**
- **Година: 2025 ÷ 2025**
- **Тип записи: Записи, които влизат в отчета на звеното**

Брой цитирани публикации: 654

Брой цитиращи източници: 1821

Коригиран брой: 1821.000

### 1968

1. **Nanev, C.N., Iwanov, D.** Alteration of the growth form of zinc single crystals as a result of the diffusion non-homogeneity of the supersaturation. Journal of Crystal Growth, 3, 4, 1968, DOI:DOI: 10.1016/0022-0248(68)90214-5, 530-534 [Линк](#)

Цитирани са в:

1. Zhang, Z., He, Z., Li, K., Liu, J., Liu, X., Luo, Y., Ding, T., Liu, Z., Ye, X., Shi, G. "Organic Molecules Induce the Formation of Hopper-Like NaCl Crystals under Rapid Evaporation As Microcatalytic Reactors To Facilitate Micro/Nanoplastic Degradation". Nano Letters. 25 (6), pp. 2334 - 2341, 2025, @2025 [Линк](#) 1.000

### 1969

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

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2. Houghton, O., Greer, A. "Sample-Size Effects in Calorimetric Studies of Structural Relaxation and Crystallization of a Gold-Based Metallic Glass". Acta Materialia. 288, art. no. 120862, 2025, @2025 [Линк](#) 1.000
3. Sahami, M., Ghassemi, H., Terziev, A., Pitchurov, G. "Homogeneous Condensation in High-Speed Flows: A Review on Droplet Nucleation and Growth Models". Journal of the Brazilian Society of Mechanical Sciences and Engineering. 47 (12), art. no. 661, 2025, @2025 [Линк](#) 1.000
4. Shen, Z., Su, H., Yu, M., Cao, Y., Guo, Y., Jiang, H., Liu, Y., Li, X., Dong, D., Yang, P., Zhang, Z., Guo, M., Yan, W. "Unveiling Exotic Multi-Scale Microstructure Transformation and Crack Formation Mechanisms in Eutectic Ceramic Composite by Laser Powder Bed Fusion". Composites Part B: Engineering. 288, art. no. 111883, 2025, @2025 [Линк](#) 1.000
5. Tzini, M., Haidemenopoulos, G. "A Physically Based Mean Field Model for Strain-Induced Precipitation and Recrystallization in High-Strength Low-Alloy Steels". Steel Research International. 96 (1), art. no. 2400493, 2025, @2025 [Линк](#) 1.000
6. Wang, Z., Qian, Y., Sun, T., Xiao, Y., Tang, Z., Wu, Y., Sun, H., Liu, X., Wang, H., Hongze, H. "Rapid Defect Prediction and Optimisation Method for Ti-Modified AlCuMg Alloys Processed by Laser Powder-Bed Fusion". Virtual and Physical Prototyping. 20 (1), art. no. e2441946, 2025, @2025 [Линк](#) 1.000
7. Wang, Z., Qian, Y., Xiao, Y., Tang, Z., Wu, Y., Sun, H., Sun, T., Liu, X., Wang, H., Hongze, H. "A Quantitative Model to Determine the Ti Content for Crack-Free AlCuMg Alloy in Laser Powder-Bed Fusion". Journal of Manufacturing Processes. 134, pp. 721 - 738, 2025, @2025 [Линк](#) 1.000

### 1972

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 [Линк](#)

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8. D'Adamo, M.; Badenhorst, W.; Murtoimäki, L.; Cordoba, P.; Derbeli, M.; Saez-Zamora, J.A.; Trilla, L. Modeling an All-Copper Redox Flow Battery for Microgrid Applications: Impact of Current and Flow Rate on Capacity Fading and Deposition. Energies 18(8) 2084, 2025. <https://doi.org/10.3390/en18082084>, @2025 [Линк](#) 1.000
9. Tian, Q.-H., Duan, L.-H., Xu, Z.-P. Pulsed electrolysis: An efficient approach to enhancing purity from 4N to 6N copper, Hydrometallurgy, Volume 236, 106513, 2025, DOI 10.1016/j.hydromet.2025.106513, @2025 [Линк](#) 1.000
10. Wan, Changjie and Li, Zihao and Geng, Yanfei and Chen, Xizhang and Xue, Wei and Fang, T. H. and Lang, Wenchang, Additive Manufacturing of Bulk Nanotwin Copper by Deformation Assisted Jet Electrodeposition. Available at SSRN: <https://ssrn.com/abstract=5153024> or <http://dx.doi.org/10.2139/ssrn.5153024>, @2025 [Линк](#) 1.000

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11. Fallah-Joshaqani, S., Hamdami, N., Keshavarzi, E., Le-Bail, A. "Nucleation Mechanism in the Absence and Presence of an Electric Field". **1.000** Journal of Food Engineering. 386, art. no. 112302, 2025, @2025 [Линк](#)
12. LaCount, M., Lambeets, S., Perea, D., Prozorov, T., Kathmann, S. "Electric Fields at Interfaces". Journal of Physical Chemistry C. 129 (35), **1.000** pp. 15489 - 15506, 2025, @2025 [Линк](#)

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6. **Stoychev, D.**, Tomov, I., Vitanova, I., Rashkov, St.. Determination of the size of the crystallites that form bright galvanic copper coatings. Surface Technology, 7, 6, Elsevier, 1978, ISSN:03764583, DOI:10.1016/0376-4583(78)90021-3, 433-441. ISI IF:0.892 [Линк](#)

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7. **Armyanov, S.**, Maksimov, M.. "Structure, internal stress and magnetic properties of electrodeposited Co-Ni alloys?". IEEE Transactions on Magnetics, 14, 5, 1978, ISSN:189464, DOI:10.1109/TMAG.1978.1059786, 855-857. JCR-IF (Web of Science):1.213 [Линк](#)

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15. Ignatova K., Lilova D., "Ultrasonic-assisted electrodeposition of SnNi(C) composite coatings", J. Chem. Technol. & Metall., 60, 833-841 **1.000** (2025), @2025 [Линк](#)

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10. **Kashchiev D., Exerowa D.** Nucleation mechanism of rupture of newtonian black films. I. Theory. Journal of Colloid and Interface Science Volume, 77, 2, 1980, 501-511

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18. Wang, Q., Zhao, H., Geng, X., Tao, J., Zhang, X., Liu, S., Qi, G., Pan, Y. "Experimental Study on the Effect of Nanocellulose Synergized with Nanosilica on the Stability of Fluorine-Free Foam". Surfaces and Interfaces. 58, art. no. 105918, 2025, @2025 [Линк](#)

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20. Guo, Y., Zhao, R., Xu, Z., Lai, C. "Enhancing Zn Anode Stability with Bioderived Electrolyte Additive for Aqueous Zn-Ion Batteries". Journal of Power Sources. 643, art. no. 237071, 2025, @2025 [Линк](#) 1.000
21. Manikandan, M., Yadav, R., Gupta, R. "Ferromagnetism in In2O3-Based Nanostructures: A Review on Structure, Shape, Electronic Structure, Magnetic Properties, DFT Modeling and Applications". Journal of Magnetism and Magnetic Materials. 616, art. no. 172815, 2025, @2025 [Линк](#) 1.000

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13. Rashkov, St., **Monev, M.**, Atanassov, N.. Stressed electrolytically deposited bright nickel coatings obtained during the cathodic formation and decomposition of nickel hydride in acidic media. Surface Technology, 17, 4, 1982, ISSN:3764583, DOI:10.1016/0376-4583(82)90069-3, 309-314 [Линк](#)

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24. Pilato, S., Carradori, S., Melfi, F., Di Giacomo, S., Ciavarella, S., Ciulla, M., Fontana, A., Di Profio, P., Aschi, M., Moffa, S., Siani, G. "Phenolic Terpenes in Liposomal Bilayers: Unraveling Physicochemical Interactions and Membrane Perturbation via Biophysical and Computational Approaches". Journal of Colloid and Interface Science. 700, art. no. 138358, 2025, @2025 [Линк](#) 1.000

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