

Списък на научните трудове

на гл. ас. д-р Тина Рагмилова Ташева, представени за участие в конкурс за „доцент“ по научна специалност 5.6. Материали и материалознание (Силикатни материали), обявен от ХТМУ в ДВ, брой 64/05.08.2025г.

Група от показатели В, показател 4. Хабилюационен труд, под формата на научни публикации (не по-малко от 10) в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация, 60/п за всяка публикация; п = брой автори.

№	Научни публикации, представени за хабилюационен труд (автори, заглавие, списание (издателство), том, книжка, година, страници).
1.	V. Dimitrov, T. Tasheva, T. Komatsu, Group optical basicity and single bond strength of lead borate glasses, Journal of Chemical Technology and Metallurgy, 53, 6, 2018, 1031-7.
2.	Vesselin Dimitrov, Takayuki Komatsu, <u>Tina Tasheva</u> , Group optical basicity and single bond strength of oxide glasses, Journal of Chemical Technology and Metallurgy, 53, 6, 2018, 1038-1046.
3.	T. Komatsu, V. Dimitrov, <u>T. Tasheva</u> , T. Honma, A review: A new insight for electronic polarizability and chemical bond strength in Bi ₂ O ₃ -based glasses, Journal of Non-Crystalline Solids, 550, 120365, 2020. 10.1016/j.jnoncrysol.2020.120365
4.	Takayuki Komatsu, Vesselin Dimitrov, <u>Tina Tasheva</u> , Tsuyoshi Honma, Electronic polarizability in silicate glasses by comparison of experimental and theoretical optical basicities, International Journal of Applied Glass Science, 12, 3, 2021, 424-442. https://doi.org/10.1111/ijag.16009
5.	Takayuki Komatsu, Tsuyoshi Honma, <u>Tina Tasheva</u> , Vesselin Dimitrov, Structural role of Nb ₂ O ₅ in glass-forming ability, electronic polarizability and nanocrystallization in glasses: A review, Journal of Non-Crystalline Solids, 581, 2022, 121414. https://doi.org/10.1016/j.jnoncrysol.2022.121414
6.	Irena Mihailova, Ruzha Harizanova, <u>Tina Tasheva</u> , Nikoleta Dimova, Christian Rüssel, Physicochemical and structural characterization of silicate glasses containing iron oxides, Journal of Chemical Technology and Metallurgy, 58, 1, 2023, 3-7. https://doi.org/10.59957/jctm.v58i1.1
7.	<u>Tina Tasheva</u> , Ruzha Harizanova, Irena Mihailova, Zara Cherkezova-Zheleva, Daniela Paneva, Milena Nedkova, Christian Rüssel, Structure and redox ratio of soda-lime-silica glasses with high iron oxide concentrations, International Journal of Applied Glass Science, 14, 3, 2023, 445-454. http://doi.org/10.1111/ijag.16626 .
8.	R. Harizanova, <u>T. Tasheva</u> , V. Gaydarov, I. Avramova, V. Lilova, S. Nedev, G. Zamfirova, M. Nedkova-Shtipska, C. Rüssel, Structure and physicochemical characteristics of the glasses in the system Na ₂ O/BaO/ZrO ₂ /TiO ₂ /SiO ₂ B ₂ O ₃ /Al ₂ O ₃ - Influence of the ZrO ₂ addition on the physico-chemical and mechanical properties, Solid State Sciences, 151, 2024, 107515. https://doi.org/10.1016/j.solidstatesciences.2024.107515
9.	A. Yoleva, <u>T. Tasheva</u> , S. Djambazov, A. Batsova, Development of multicomponent glasses for application as a glazing layer on dental zirconia, International Journal of Applied Glass Science, 16, 1, e16684, 2024, 1-8. https://doi.org/10.1111/ijag.16684
10.	<u>Tina Tasheva</u> , Albena Yoleva, Janna Mateeva, Hristo Georgiev, Study on preparation of glassceramic and dense ceramic biomaterials on the base of hydroxyapatite, Materials, 18, 13, 2025, 3059. https://doi.org/10.3390/ma18133059

Група от показатели Г, показател 7. Научна публикация в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация, 40/n или разпределени в съотношение на базата на протокол за приноса. n = брой автори.

№	Публикация (автори, заглавие, списание (издателство), том, книжка, година, страници).
1.	<u>T. Tasheva</u> , V. Dimitrov, Optical properties and chemical bonding of $\text{TiO}_2\text{-BaO-V}_2\text{O}_5$ glasses, <i>Journal of Chemical Technology and Metallurgy</i> , 51, 5, 2016, 525-535.
2.	<u>T. Tasheva</u> , V. Dimitrov, Electronic polarizability, optical basicity and chemical bonding of zinc oxide-barium oxide-vanadium oxide glasses, <i>Bulgarian Chemical Communications</i> , 49, F, 2017, 76-83.
3.	<u>T. Tasheva</u> , V. Dimitrov, Synthesis, polarizability approach and structure of $\text{TeO}_2\text{-BaO-V}_2\text{O}_5$ glasses, <i>Journal of Chemical Technology and Metallurgy</i> , 55, 2, 2020, 345-354.
4.	<u>T. Tasheva</u> and V. Dimitrov, Correlations between optical characteristics and structure of sodium oxide-bismuth oxide-boron oxide glasses, <i>Bulgarian Chemical Communications</i> , 53, 1, 2021, 18-25.
5.	<u>T.R. Tasheva</u> , S.S. Slavov, Structure and dielectric behaviour of glasses in the $\text{TeO}_2\text{-BaO-V}_2\text{O}_5$ system, <i>Journal of Physics: Conference Series</i> , 1762, 2021, 012027. doi:10.1088/1742-6596/1762/1/012027
6.	<u>Tina Tasheva</u> , Vesselin Dimitrov, Polarizability approach, structure and nonlinear optical characteristics of tellurite glasses in the $\text{V}_2\text{O}_5\text{-BaO-TeO}_2$ system, <i>Journal of Chemical Technology and Metallurgy</i> , 56, 5, 2021, 945-954.
7.	<u>Tina Tasheva</u> , Vesselin Dimitrov, Correlation between structure and optical basicity of glasses in the $\text{TeO}_2\text{-V}_2\text{O}_5\text{-MoO}_3$ system, <i>Journal of Non-Crystalline Solids</i> , 570, 2021, 120981. https://doi.org/10.1016/j.jnoncrysol.2021.120981
8.	Aleksandar Nikolov, Vladislav Kostov-Kytin, Mihail Tarasov, Liliya Tsvetanova, Hristina Lazarova, <u>Tina Tasheva</u> , Products of carbonation of cement kiln dust, <i>Review of the Bulgarian Geological Society</i> , 85, 3, 2024, 163-166. https://doi.org/10.52215/rev.bgs.2024.85.3.163
9.	<u>Tina Tasheva</u> , Gabriela Valova, FT-IR and Raman spectroscopy of ZnO and MgO containing glasses in the $\text{B}_2\text{O}_3\text{/Na}_2\text{O/CaO/P}_2\text{O}_5$ system, <i>Journal of Chemical Technology and Metallurgy</i> , 59, 6, 2024, 1391-1398. https://doi.org/10.59957/jctm.v59.i6.2024.14
10.	<u>Tina Tasheva</u> , The influence of the crucible and cooling rate on the structure of glasses and glass-ceramics in the $\text{CaO-Na}_2\text{O-P}_2\text{O}_5\text{-B}_2\text{O}_3$ system, <i>Journal of Chemical Technology and Metallurgy</i> , 60, 5, 2025, 843-852. https://doi.org/10.59957/jctm.v60.i5.2025.15

Група от показател А, показател 1. Дисертационен труд за присъждане на образователна и научна степен „доктор“ (публикации по дисертационен труд).

№	Публикация (автори, заглавие, списание (издателство), том, книжка, година, страници)
1.	<u>T. Tasheva</u> and V. Dimitrov, Optical properties and structure of $\text{B}_2\text{O}_3\text{-BaO-V}_2\text{O}_5$ glasses, <i>Journal of Chemical Technology and Metallurgy</i> , 50, 4, 2015, 441-448.
2.	V. Dimitrov, <u>T. Tasheva</u> , T. Komatsu, Group optical basicity of sodium borate and sodium silicate glasses, <i>Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B</i> , 57, 6, 2016, 285-290.
3.	<u>T. Tasheva</u> , V. Dimitrov, Structure, optical properties and chemical bonding of $\text{NiO-BaO-V}_2\text{O}_5$ glasses, <i>Journal of Chemical Technology and Metallurgy</i> , 52, 2, 2017, 369-378.
4.	<u>T. Tasheva</u> , V. Dimitrov, Synthesis, structure and nonlinear optical properties of tellurium oxide - bismuth oxide - boron oxide glasses, <i>Bul. Chem. Commun.</i> , 49, G, 2017, 43-48.
5.	T. Komatsu, T. Inoue, <u>T. Tasheva</u> , T. Honma, V. Dimitrov, Correlation between thermal expansion coefficient and interionic interaction parameter in $\text{ZnO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses, <i>Journal of the Ceramic Society of Japan</i> , 126, 1, 2018, 8-15.