

СПИСЪК
на цитиранията (без автоцитати)
на гл. ас. д-р инж. Калин Симеонов Крумов
представени за участие в конкурс за заемане на академичната
длъжност „доцент” в Професионално направление 5.4 Енергетика,
специалност “Промислена топлотехника”, обявен от ХТМУ в ДВ,
бр. 67/ 04.08.2023г.

Показатели 12 - Цитирания и/или рецензии в научни издания, реферирани и индексирани в световноизвестни бази данни с научна информация и 14 - Цитирания и/или рецензии в нереферирани списания с научно рецензиране

№	Научен труд, където е цитирана публикацията (автори, заглавие, списание (издателство), том, книжка, години, страници)	Тип на публикацията (№ на съответния показател от приложение 2з*)	Точки
	Nina Penkova, Kalin Krumov , Liliana Zashkova, Ivan Kassabov, Heat Transfer and Climatic Loads at Insulating Glass Units in Window Systems, International Journal of Management and Applied Science (IJMAS), 2017, Volume-5, Issue-2, Spl. Iss-2, pp. 22-28		
1	Respondek, Zbigniew, and Izabela Major. "Study of Deflection in Insulating Glass Units Under Climatic Loads Simulation." IOP Conference Series: Materials Science and Engineering. Vol. 603. No. 3. IOP Publishing, 2019, p. 032060	12	10
2	Respondek, Zbigniew, Heat Transfer Through Insulating Glass Units Subjected to Climatic Loads, Materials 13.2 (2020): 286.	12	10
3	Zlateva, P. and K. Yordanov. Comparative analysis of the study of microclimate parameters in wooden houses in North-Eastern Bulgaria, IOP Publishing, In IOP Conference Series: Materials Science and Engineering, vol. 595, no. 1, (2019) p. 012017.	12	10
4	Respondek, Zbigniew. "Rozkład obciążeń środowiskowych w jednokomorowych szybach zespolonych usytuowanych niepionowo." Budownictwo o Zoptymalizowanym Potencjale Energetycznym, 2019 ,№ 1, 147-154	12	10
5	Zbigniew Respondek, Marcin Kozłowski and Maciej Wiśniowski, Deflections and Stresses in Rectangular, Circular and Elliptical Insulating Glass Units, Materials 2022, 15(7), 2427; https://doi.org/10.3390/ma15072427	12	10
6	Zbigniew Respondek, Gas interaction in insulating glass units in the case of elastic support of component glass panes, DOI: 10.17512/bozpe.2022.11.11	12	10
7	M Kozłowski, Z Respondek, M Wiśniowski, D Cornik and Kinga Zemła, Experimental and Numerical Simulations of Climatic Loads in Insulating Glass Units by Controlled Change of Pressure in the Gap, Appl. Sci. 2023, 13(3), 1269; https://doi.org/10.3390/app13031269	12	10
8	Z Respondek, Gas interaction in insulating glass units in the case of elastic support of component glass panes, Construction of optimized energy potential, Vol. 11, 2022, 93-101, DOI: 10.17512/bozpe.2022.11.11	12	10
	Nina Penkova, Kalin Krumov , Ivan Kassabov, Liliana Zashkova, Solar energy gains and thermal loads at large scale transparent building envelopes in the presence of indoor solar ray tracing, Engineered Transparency 2016. Glass in Architecture and Structural Engineering, Wiley, 2016, 373-381 Indexed by www.engineeredtransparency.eu ; https://www.ernst-und-sohn.de		
9	P Zlateva and K Yordanov, Comparative analysis of the study of microclimate parameters in wooden houses in North-Eastern Bulgaria, IOP Conf. Series: Materials Science and Engineering 595, 2019, 012017	12	10
	Н Пенкова, К Крумов , Изследване на възможностите за повишаване на енергийната и технологична ефективност на високотемпературна камерна пещ за изпичане на керамика, E-Journal Mathematical Modeling and Computer Simulation, Volume I, Number 1, Year 2013, 15-18		
10	М Младенов, Възможности за приложение на компютърна симулация при моделиране на почвени процеси – начален опит с флуиден пренос в порьозна почвена среда, E-Journal Mathematical Modeling and Computer	14	2

	Simulation, Volume II, Number 5, Year 2014, 11-19		
	Ivanov, I.; Velchev, D.; Penkova, N.; Krumov, K. ; Iliev, V. Stress analysis of insulating glass units under transient thermal loadings. J. Chem. Technol. Metall. 2018, 53, 1095–1102		
11	Vyacheslav N. Burlayenko, Tomasz Sadowski, Svetlana Dimitrova, Three-Dimensional Free Vibration Analysis of Thermally Loaded FGM Sandwich Plates, Materials 2019, 12(15), 2377; https://doi.org/10.3390/ma12152377	12	10
12	Кръстин Красимиров Йорданов, Дисертационен труд за присъждане на образователна и научна степен “доктор” на тема: „ИДЕНТИФИКАЦИЯ НА ТЕРМИЧНИ РЕЖИМИ НА ПЕЩИ КАМЕРЕН ТИП ЗА ТЕРМИЧНА ОБРАБОТКА“ Професионално направление: 5.4. „Енергетика“, ТУ “Варна”, 2017	14	2
13	J Heiskari, On the design criteria of large insulating glass structures in cruise ships, Thesis submitted for examination for the degree of Master of Science in Technology, Espoo, Finland 18.09.2020	14	2
14	VN Burlayenko, IV Ivanov, SD Dimitrova, Explicit coupled eulerian-lagrangian simulation of friction stir welding, Proceedings of University of RUSE - 2022, volume 61, book 2.1	14	2
	P. Zlateva, N. Penkova, K. Krumov , Analysis of combustion efficiency at boilers operating on different fuels, 2020 7th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, 2020, IEEE Xplore, 1-4, DOI: 10.1109/EEAE49144.2020.9278784		
15	Beloev, H., Iliev, I., Terziev, A., Kibarın, A. and Aliyarova, M., 2021. Comparative technical and economic analysis of innovative methods for waste heat recovery from flue gases for boiler type BKZ 220-100. In E3S Web of Conferences (Vol. 327, p. 01004). EDP Sciences	12	10
16	P Kisyov, Increasing building`s self-sufficiency rates through PV plus storage hybrids, Journal of Physics: Conference Series, Volume 2339, International Conference on Electronics, Engineering Physics and Earth Science 2022 (EEPES 2022) 21/06/2022 - 24/06/2022 Varna, Bulgaria, DOI 10.1088/1742-6596/2339/1/012023	12	10
17	A.J. Extremera-Jiménez, A. Palomar-Torres, E. Torres-Jiménez, F.J. Gómez-de la Cruz, F. Cruz-Peragón, Combustion analysis using experimental equipment and matlab, 14th International Conference on Education and New Learning Technologies doi: 10.21125/edulearn.2022.0735	12	10
18	Daniela KOSTOVA-IVANOVA, Overview of the Bulgarian national energy transition targets by sectors, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. Vol. XI, 2022 Print ISSN 2285-6064, CD-ROM ISSN 2285-6072, Online ISSN 2393-5138, ISSN-L 2285-6064	12	10
	NY Penkova, BM Mladenov, KS Krumov , Finite elements analysis of mass transfer and mechanical processes in ceramic ware at convective drying, IOP Conference Series: Materials Science and Engineering		
19	Konstantin Kostov, Ivan Ivanov, Koycho Atanasov, Chavdar Nikolov and Stefan Kalchev, Experimental determination of the heat exchange coefficient of industrial steam pipelines, https://doi.org/10.21303/2461-4262.2022.002473	12	10
20	Nina Penkova, Boian Mladenov, Blagoi Zlatkov, Tsvetelina Georgieva, Oleg Panayotov, Analysis of transport phenomena and mechanical behavior in capillary-porous colloidal materials subjected to convective drying, Scientific Works of University of Food Technologies 2019 Volume 66 Issue 1	14	2
	N. Penkova, K. Krumov , B. Mladenov and Y. Stoyanov, Modelling and numerical simulation of the heat transfer and natural ventilation in storage halls, Proceedings of 25th International Conference of Power Engineering and Power Machines, E3S Web of Conferences, 207, 01005 (2020), https://doi.org/10.1051/e3sconf/202020701005		
21	Zoya TSONEVA, Penka ZLATEVA, Aleksandrina BANKOVA, Comparative analysis of the geometry of the envelope design elements of buildings with simple and complex forms of structure, Technical university of CLUJ-NAPOCA, Series: Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special IV, December, 2022	12	10
	Nina Penkova, Kalin Krumov , Penka Zlateva, Improvement of firing curve of ceramic ware via modelling and numerical simulation of the coupled thermo-mechanical processes in the material, Journal of Chemical Technology and Metallurgy, Volume 56, Issue 5		
22	Z Kolev, S Kadirova, Numerical modelling of thermal conduction processes in the fins of two-stage “water to air” heat exchanger, AIP Conference	12	10

	Proceedings 2570, 030012 (2022); https://doi.org/10.1063/5.0100129		
23	Daniel LYUBENOV, Zhivko KOLEV, Seher KADIROVA, Georgi KADIKYANOV, Investigation of heating intensity during restoration of worn-out agricultural machinery parts by deposition of weld coatings, NMATEH - Agricultural Engineering, Vol. 67, No. 2 / 2022	12	10
Kalin Krumov , Nina Penkova, Penka Zlateva, CFD analysis of compressible flows through nozzles and diffusers, U.P.B. Sci. Bull., Series D, Vol. 83, Iss. 2, 2021			
24	Z Kolev, S Kadirova, Numerical modelling of thermal conduction processes in the fins of two-stage “water to air” heat exchanger, AIP Conference Proceedings 2570, 030012 (2022); https://doi.org/10.1063/5.0100129	12	10
Nina Y. Penkova, Petar I. Chervenliev, Boian M. Mladenov and Kalin S. Krumov , Modelling and numerical simulation of mass transfer and mechanical processes at ceramic ware in industrial dryers, Proceedings of 6th European Conference on Computational Mechanics and the 7th European Conference on Computational Fluid Dynamics; ISBN: 978-84-947311-6-7; 2018, 4368-4379 http://www.eccm-ecfd2018.org/frontal/docs/Ebook-Glasgow-2018-ECCM-VI-ECFD-VII.pdf			
25	Gencho Popov, Kliment Klimentov, Boris Kostov and Reneta Dimitrova, Determining the minor loss coefficient of cone diffusers, PEPM 2020, E3S Web of Conferences 207, 04004 (2020), https://doi.org/10.1051/e3sconf/202020704004	12	10
K S Krumov and N Y Penkova, Numerical analysis of the transient heat transfer in high temperature chamber furnaces, IOP Conference Series: Materials Science and Engineering, Volume 595 (1), 2019, 012005 doi:10.1088/1757-899X/595/1/012005			
26	Pozdieiev, S., Nizhnyk, V., Feshchuk, Y., Nekora, V., Nuianzin, O., Shnal, T. (2021). Investigation of the influence of the configuration of the fire furnace chamber on the temperature regime during the implementation of tests for fire resistance. Eastern-European Journal of Enterprise Technologies, 4 (1 (112)), 34–40. doi: https://doi.org/10.15587/1729-4061.2021.239235	12	10
27	P Zlateva, S Demirova, Research on the performance characteristics of rapeseed oil for its use as a diesel fuel additive, 2020, IOP Conf. Ser.: Mater. Sci. Eng. 977 012016, doi:10.1088/1757-899X/977/1/012016	12	10
28	Chartchai Dechpratoom, Arpiruk Hokpunna, Pracha Yeunyongkul, Ronnachart Munsin, Thanawat Watcharadumrongsak, Korawat Wuttikid, Numerical Simulation and Experimental Study of Thermal Distribution Behavior in Downdraft Ceramic Kiln, Journal of Technical Education Science, 2023, DOI: 10.54644/jte.78B.2023.1440	12	10
29	Gencho Popov, Kliment Klimentov, Boris Kostov and Reneta Dimitrova, Determining the minor loss coefficient of cone diffusers, PEPM 2020, E3S Web of Conferences 207, 04004 (2020), https://doi.org/10.1051/e3sconf/202020704004	12	10
30	A V Kalach, A P Parshina, A V Oblienko, E A Sushko and E V Kalach, Mathematical modeling of the fire within the premise equipped by the system of antismoke ventilation, Journal of Physics: Conference Series 1515 (2020) 032023 doi:10.1088/1742-6596/1515/3/032023	12	10
	Общо	(12)-250 / (14)-10	260

*Приложение 23 от ППНСЗД в ХТМУ