

Списък на публикациите
на Гергана Емилова Алексиева,
представени за участие в конкурса

№	Публикация	Съществен принос	Точки	Група
1	V. Strashilov, G. Alexieva, B. Vincent, V. S. Nguyen, D. Rouxel, <i>Structural impact on piezoelectricity in PVDF and P(VDF-TrFE) thin films</i> , Applied Physics A: Materials Science and Processing 118(4), 1469-1477 (2015); https://doi.org/10.1007/s00339-014-8911-4		20	I(Q2)
2	I. Kolev, G. Alexieva*, V. Strashilov, I. B. Youssef, F. Sarry, H. Alem, <i>Layer thickness impact on the capacity of poly(urethaneimide) for sorbing toxic gases</i> , Journal of Applied Polymer Science 133(48) (2016); DOI: 10.1002/app.44214	*да (автор за кореспонденция)	25	I(Q1)
3	I. B. Youseff, F. Sarry, B. Nysten, G. Alexieva, V. Strashilov, I. Kolev, H. Alem, <i>Growth and toxic gas sensing properties of poly(urethaneimide) thin films</i> , Talanta 153, 145-151 (2016); DOI:10.1016/j.talanta.2016.03.021		25	I(Q1)
4	V. L. Strashilov, G. E. Alexieva*, G. G. Tsutsumanova, I. N. Kolev, I. D. Avramov, <i>Gas adsorption on ZnO nanowires as studied by surface acoustic wave resonators</i> , Bulgarian Chemical Communications 48(1), 134-140 (2016).	*да (автор за кореспонденция)	12	II(Q4)
5	H. Nichev, B. Georgieva, M. Petrov, K. Lovchinov, V. Georgieva, L. Vergov, G. Alexieva, D. Dimova-Malinovska, <i>Effect of quartz plate roughness on ZnO/QCM response to NO₂</i> , Bulgarian Chemical Communications 48 Special Issue-B, 60-65 (2016).		12	II(Q4)
6	P. Petkova, L. Nedelchev, D. Nazarova, K. Boubaker, R. Mimouni, P. Vasilev, G. Alexieva, D. Bachvarova, <i>Single oscillator model of undoped and co-doped ZnO thin films</i> , Optik 139, 217-221 (2017); http://dx.doi.org/10.1016/j.ijleo.2017.03.089		20	I(Q2)
7	T. Babeva, V. Vassilev, P. Gushterova, A. Amova, G. Alexieva, V. Strashilov, P. Petkova, <i>Optical properties of chalcogenide glasses from the system As₂Se₃-Ag₄SSe-PbTe</i> , Journal of Optoelectronics and Advanced Materials 19(3-4), 204-210 (2017).		15	II(Q3)

8	G. Alexieva, P. Petkova, I. Kolev, I. Ismailov, A. Amova, V. Vassilev, V. Strashilov, <i>Mid-infrared optical spectra of chalcogenide glasses from the system $As_2Se_3-Ag_4SSe-PbTe$</i> , Comptes rendus de l'Acad'emie bulgare des Sciences 70(11) (2017).	да	20	I(Q2)
9	S. A. Yaneva, G. E. Alexieva, T. S. Velinov, <i>Layer by layer deposition of chitosan/xanthan thin films studied in situ by QCM</i> , Bulgarian Chemical Communications 49 Special Issue F, 70-75 (2017).		12	II(Q4)
10	P. Vasilev, P. Petkova, G. Alexieva, B. Bedzhev, Y. Tzoukrovsky, <i>Acoustics properties of anisotropic $Bi_{12}SiO_{20}:Fe$</i> , Optik 130, 184-188 (2017); http://dx.doi.org/10.1016/j.ijleo.2016.11.024		20	I(Q2)
11	P. Petkova, G. Alexieva, A. Amova, P. Vasilev, <i>A study of optical microscopic parameters of chalcogenide glasses from the system $As_2Se_3-Ag_4SSe-PbTe$</i> , Comptes rendus de l'Acad'emie bulgare des Sciences 70(4), 489-496 (2017).		20	I(Q2)
12	P. Petkova, K. Boubaker, M.T. Soltani, P. Vasilev, G. Alexieva*, <i>Chromium doped $(80-x)Sb_2O_3-20K_2O-xPbO$ glasses: Effects of PbO on the optical properties in Urbach's rule region</i> , Journal of Optoelectronics and Advanced Materials, 20 (9-10), 547-550 (2018).	*да (автор за кореспонденция)	15	II(Q3)
13	G. Alexieva, A. Amova, <i>Acoustic and optical properties of $Ag_4SSe.2PbTe$</i> , Journal of Chemical Technology and Metallurgy, 54 (5), 1035-1039 (2019).	да	15	II(Q3)
14	I. N. Kolev, N. A. Ivanova, M. K. Marinov, G. E. Alexieva, V. L. Strashilov, <i>A QCM-based assay of drug content in Eudragit RS 100-based delivery systems</i> , Talanta, 202, 531-539 (2019); https://doi.org/10.1016/j.talanta.2019.05.033		25	I(Q1)
15	K. Lovchinov, G. Marinov, M. Petrov, N. Tyutyundzhiev, G. Alexieva*, T. Babeva, <i>Influence of Deposition Temperature on the Structural and Optical Properties of Electrochemically Nanostructured ZnO Films</i> , Comptes rendus de l'Acad'emie bulgare des Sciences, 73(2), 190-196 (2020); DOI:10.7546/CRABS.2020.02.06	*да (автор за кореспонденция)	20	I(Q2)
16	K. Lovchinov, L. Slavov, G. Alexieva, P. Ivanov, G. Marinov, R. Gergova, V. Strijkova, Tz. Babeva, <i>Study of ZrO_2 nanolayers deposited electrochemically on different conductive substrates</i> , Materials Science in Semiconductor Processing, 131, 105843 (2021); https://doi.org/10.1016/j.mssp.2021.105843		25	I(Q1)

17	K. Lovchinov, G. Alexieva, B. Georgieva, M. Petrov, R. Gergova, Y. Tzoukrovsky, N. Tyutyundzhiev, <i>Study of the sensitivity of ZrO₂ and ZnO layers electrochemically deposited on a quartz resonator</i> , J. Phys.: Conf. Ser. 1762 012033 (2021); doi:10.1088/1742-6596/1762/1/012033		12	II(Q4)
18	I. N. Kolev, S. Y. Ivanova, A. K. Amova, G. E. Alexieva, V. L. Strashilov, <i>A new FTIR-based technique in the polymorphic analysis of Nitrofuraz</i> , Journal of Molecular Structure, 1233, 130098 (2021); https://doi.org/10.1016/j.molstruc.2021.130098		20	I(Q2)
19	G. Alexieva, K. Lovchinov, M. Petrov, R. Gergova, N. Tyutyundzhiev, <i>Influence of Al Doping on the Morphological, Structural and Gas Sensing Properties of Electrochemically Deposited ZnO Films on Quartz Resonators</i> , Coatings 12(1), 81 (2022); https://doi.org/10.3390/coatings12010081	да	20	I(Q2)