

Списък на всички публикации
на Гергана Емилова Алексиева

№	Публикация	Съществен принос	Точки	Група
	Публикации в реномирани издания от групи I, II и III, съгласно допълнителните изисквания на ФзФ			
A1	G. Alexieva, I. Traykov, V. Strashilov, <i>Web camera-enabled material research: an acoustooptic example</i> , <i>Optica Applicata</i> 37(3), 313-322 (2007).	да	12	II(Q4)
A2	V. L. Strashilov, G. E. Alexieva, V. N. Velichkov, I. D. Avramov, S. D. Evans, <i>STW Resonator With Organo-Functionalized Metallic Nanoparticle Film for Vapor Sensing</i> , <i>IEEE Trans. Ultrason. Ferroelec. Freq. Control</i> , 56(5), 1018-1023 (2009); DOI: 10.1109/TUFFC.2009.1133		25	I(Q1)
A3	V. L. Strashilov, G. E. Alexieva, V. N. Velichkov, R. P. Mateva, I. D. Avramov, <i>Polymer-coated quartz microbalance sensors for volatile organic compound gases</i> , <i>Sensor Lett.</i> 7(2), 203-211 (2009); DOI:10.1166/sl.2009.1032		15	II(Q3)
A4	I. Kolev, V. Mavrodinova, G. Alexieva, V. Strashilov, <i>Pore volume probing of Boron- modified MCM-22 zeolite by quartz crystal microbalance assisted study of o- and p-xylene adsorption</i> , <i>Sensors and Actuators B</i> 149(2), 389-394 (2010); doi:10.1016/j.snb.2010.06.044		25	I(Q1)
A5	L. Arapan, G. Alexieva, I. Avramov, E. Radeva, V. Strashilov, I. Katardjiev, V. Yantchev, <i>Highly Mass-Sensitive Thin Film Plate Acoustic Resonators (FPAR)</i> , <i>Sensors</i> 11(7), 6942-6953 (2011); doi:10.3390/s110706942		25	I(Q1)
A6	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> , <i>Applied Physics A: Materials Science and Processing</i> 118(4), 1469-1477 (2015); https://doi.org/10.1007/s00339-014-8911-4		20	I(Q2)
A7	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> , <i>Journal of Applied Polymer Science</i> 133(48) (2016); DOI: 10.1002/app.44214	да	25	I(Q1)
A8	I. B. Yousseff, 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> , <i>Talanta</i> 153, 145-151 (2016); DOI:10.1016/j.talanta.2016.03.021		25	I(Q1)

A9	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	12	II(Q4)
A10	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)
A11	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)
A12	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)
A13	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 As₂Se₃-Ag₄SSe-PbTe</i> , Comptes rendus de l'Acad'emie bulgare des Sciences 70(11) (2017).	да	20	I(Q2)
A14	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)
A15	P. Vasilev, P. Petkova, G. Alexieva, B. Bedzhev, Y. Tzoukrovsky, <i>Acoustics properties of anisotropic Bi₁₂SiO₂₀:Fe</i> , Optik 130, 184-188 (2017); http://dx.doi.org/10.1016/j.ijleo.2016.11.024		20	I(Q2)
A16	P. Petkova, G. Alexieva, A. Amova, P. Vasilev, <i>A study of optical microscopic parameters of chalcogenide glasses from the system As₂Se₃-Ag₄SSe-PbTe</i> , Comptes rendus de l'Acad'emie bulgare des Sciences 70(4), 489-496 (2017).		20	I(Q2)
A17	P. Petkova, K. Boubaker, M.T. Soltani, P. Vasilev, G. Alexieva, <i>Chromium doped (80-x)Sb₂O₃-20K₂O-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	15	II(Q3)
A18	G. Alexieva, A. Amova, <i>Acoustic and optical properties of Ag₄SSe.2PbTe</i> , Journal of Chemical Technology and Metallurgy, 54 (5), 1035-1039 (2019).	да	15	II(Q3)

A19	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> , <i>Talanta</i> , 202, 531-539 (2019); https://doi.org/10.1016/j.talanta.2019.05.033		25	I(Q1)
A20	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> , <i>Comptes rendus de l'Academie bulgare des Sciences</i> , 73(2), 190-196 (2020); DOI:10.7546/CRABS.2020.02.06	да	20	I(Q2)
A21	K. Lovchinov, L. Slavov, G. Alexieva, P. Ivanov, G. Marinov, R. Gergova, V. Strijkova, Tz. Babeva, <i>Study of ZrO₂ nanolayers deposited electrochemically on different conductive substrates</i> , <i>Materials Science in Semiconductor Processing</i> , 131, 105843 (2021); https://doi.org/10.1016/j.mssp.2021.105843		25	I(Q1)
A22	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> , <i>J. Phys.: Conf. Ser.</i> 1762 012033 (2021); doi:10.1088/1742-6596/1762/1/012033		12	II(Q4)
A23	N. Tyutyundzhiev, Ch. Angelov, T. Arsov, K. Lovchinov, Hr. Nitchev, G. Alexieva, <i>Development of Cost-efficient Wireless Network for Solar UV Irradiation Monitoring in Bulgaria</i> , <i>J. Phys.: Conf. Ser.</i> 1762(1) 012040 (2021); doi:10.1088/1742-6596/1762/1/012040		12	II(Q4)
A24	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 Nitrofurazone</i> , <i>Journal of Molecular Structure</i> , 1233, 130098 (2021); https://doi.org/10.1016/j.molstruc.2021.130098		20	I(Q2)
A25	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> , <i>Coatings</i> 12(1), 81 (2022); https://doi.org/10.3390/coatings12010081	да	20	I(Q2)
	Публикации в нереферирани издания, доклади в национални и международни конференции			
B1	N. Tankovsky, K. Nedev, G. Alexieva, <i>Influence of charged macromolecules (lysozyme) to electroacoustic signals excited in a solution</i> , <i>Bulgarian Journal of Physics</i> 27(3), 250-254 (2000).			

B2	В. Страшилов, Кл. Брънзалов, Г. Алексиева, В. Величков, Р. Матева, <i>Кварцови резонатори със селективни полимерни слоеве за сензори на летливи газове</i> , Дефектоскопия 07, Научни известия, год.XIV, бр.3 (98), стр. 405, Созопол (2007).			
B3	В. Страшилов, Кл. Брънзалов, Г. Алексиева, В. Величков, И. Аврамов, <i>Висококачествен кварцов сензор за летливи газове</i> , Дефектоскопия 08, Научни известия, год.XV, бр.2 (105), стр. 405, Созопол (2008).			
B4	G. Tzutsumanova, S. Rusev, V. Strashilov, G. Alexieva, Kl. Branzalov, A. Tzonev, <i>Quartz resonators with highly developed surface for gas sensors (in Bulgarian)</i> , Nauchni izvestiya, XVI, 292-299, Sozopol (2009).			
B5	L. Arapan, G. Alexieva, I. Avramov, V. Strashilov, E. Radeva, I. Katardjiev and V. Yantchev, <i>Polymer-coated Thin Film Plate Acoustic Resonators (FPAR) for Gas Sensing Applications</i> , Proc. 2011 Joint IEEE International Frequency Control Symposium (IFCS) and European Frequency and Time Forum (EFTF), 248-252, San Francisco, (2011).			
B6	Спаска Янева, Гергана Алексиева, Цветан Велинов, <i>Изследване динамиката на отлагане на тънки филми в системата ксантан/хитозан</i> , 5-ти Научен семинар по физикохимия за млади учени и докторанти, София (2016).			
B7	А. Амова, Л. Алжихмани, Т. Христова-Василева, В.Василев, Г. Алексиева, <i>Мултикомпонентни халкогенидни стъкла от системите $As_2Se_3-Ag_4SSe-PbTe$ ($SnTe$): области на стъклообразуване и влияние на модификаторите върху някои от техните основни физикохимични свойства</i> , Annual of the University of architecture, civil engineering and geodesy, 50(1) Sofia (2017).			
B8	I. Kolev, N. Ivanova, G. Alexieva, G. Tsutsumanova, V. Strashilov, <i>Diltiazem-loaded Eudragit RS 100 microparticles for drug delivery: the challenge of viscosity</i> , Scripta Scientifica Pharmaceutica, 5(1), 20-24 (2018); DOI:10.14748/ssp.v1i1.5004			
B9	I. Kolev, P. Koseva, M. Marinov, G. Alexieva, V. Strashilov, <i>A quartz crystal microbalance-assisted method for the assessment of iodine content in organoiodines</i> , Scripta Scientifica Pharmaceutica 5(2), 40-44 (2018); DOI:10.14748/ssp.v5i2.5629			

B10	В. Страшилов, Г. Алексиева, <i>Лаборатория по акустични вълни към катедра „Физика на твърдото тяло и микроелектроника“</i> , Юбилейно издание 130 години Софийски университет, 117-124 (2019).			
B11	K. Lovchinov, G. Alexieva, L. Slavov, P. Ivanov, G. Marinov, S. Stijkova, R. Gergova, T. Babeva, <i>Structural and optical properties of electrochemically deposited ZrO₂ layers on different substrate</i> , 21st INTERNATIONAL SCHOOL ON CONDENSED MATTER PHYSICS Progress and Perspectives in Functional Materials, Varna (2020).			
B12	K. Lovchinov, G. Alexieva, H. Nitchev, M. Petrov, B. Georgieva, N. Tyutyundzhiev, <i>Sensitivity study of quartz resonators with electrochemically deposited ZrO₂ and ZnO:Al layers</i> , TWENTY-SECOND INTERNATIONAL SUMMER SCHOOL ON VACUUM, ELECTRON AND ION TECHNOLOGIES, Varna (2021).			