

Scientific publications from the Journal Citation Reports database (JRC)

	MNiSW	IF	Finance from
1. A. Blat, J. Dybas, M. Kaczmarska, K. Chrabaszcz, K. Bulat, R.B. Kostogrys, A.Cernescu, K. Malek*, K.M. Marzec* , An Analysis of Isolated and Intact RBC Membranes - a Comparison of a Semiquantitative Approach by Means of FTIR, Nano-FTIR and Raman Spectroscopies, Anal. Chem. 2019 , 91(15), 9867-9874.	140	6.350	Opus, NCN
2. K. Augustyniak, K. Chrabaszcz, A. Jaształ, M. Smeda, G. Quintas, J. Kuligowski, K. M. Marzec* , K. Malek*, High- and Ultra-High definition of IR spectral histopathology gives an insight into chemical environment of lung metastases in breast cancer, J. Biophot. 2019 , 12(4), e201800345.	100	3.768	Juventus Plus, MNiSW
3. A. Wajda* , W.H. Goldmann, R. Detsch, A.R. Boccaccini, M. Sitarz, <i>Influence of zinc ions on structure, bioactivity, biocompatibility and antibacterial potential of melt-derived and gel-derived glasses from CaO-SiO₂ system</i> , J. Non-Cryst. Solids 2019 , 511, 86-99.	70	2.600	Etiuda, NCN
4. K. Chrabaszcz, K. Kochan, A. Fedorowicz, A. Jaształ, E. Buczek, L. S. Leslie, R. Bhargava, K. Malek, S. Chlopicki, K.M. Marzec* , <i>FT-IR- and Raman-based biochemical profiling of the early stage of pulmonary metastasis of breast cancer in mice</i> , Analyst 2018 , 143, 2042-2050.	40	3.864	Juventus Plus, MNiSW
5. J. Dybas, P. Berkowicz, B. Proniewski, K. Dziedzic-Kocurek, J. Stanek, M. Baranska, S.Chlopicki*, K.M. Marzec* , <i>Spectroscopy-based characterization of Hb-NO adducts in human red blood cells exposed to NO-donor and endothelium-derived NO</i> , Analyst 2018 , 143, 4335-4346.	40	3.864	Lider, NCBiR
6. Chrabaszcz, A. Jaształ, M. Smeda, B. Zieliński, A. Blat, M. Diem, S. Chlopicki, K. Malek*, K.M. Marzec* , <i>Label-free FTIR spectroscopy detects and visualizes the early stage of pulmonary micrometastasis seeded from breast carcinoma</i> , Biochim. Biophys. Acta- Mol. Basis Dis. 2018 , 1864, 3574-3584.	40	5.108	Juventus Plus, MNiSW
7. D. Perez-Guaita, K.M. Marzec , A. Hudson, C. Evans, T. Chernenko, C. Matthäus, M. Miljkovic, M. Diem, P. Heraud, J. Richards, D. Andrew, D. Anderson, C. Doerig, J. Garcia-Bustos, D. McNaughton, B.R. Wood*, <i>Parasites under the spotlight: Applications of vibrational spectroscopy to malaria research</i> , Chem. Rev. 2018 , 118, 5330-5358.	50	52.613	Opus, NCN
8. J. Dybas, M. Grosicki, M. Baranska*, K.M. Marzec* , <i>Raman imaging of haem metabolism in situ in macrophages and Kupffer cells</i> , Analyst 2018 , 143, 3489-3498.	40	3.864	Opus, NCN
9. P. Heraud, M.F. Cowan, K.M. Marzec , B.L. Moller, C.K. Blomstedt, R. Gleadow*, <i>Label-free Raman hyperspectral imaging analysis localizes the cyanogenic glucoside dhurrin to</i>	40	4.122	-

<i>the cytoplasm in sorghum cells</i> , Sci. Rep. 2018 , 8, 2691, 1–9.			
10. E. Szafraniec, E. Wiercigroch, K. Czamara, K. Majzner, E. Staniszevska–Slezak, K.M. Marzec , K. Malek, A. Kaczor, M. Baranska*, <i>Diversity among endothelial cell lines revealed by Raman and Fourier–transform infrared spectroscopic imaging</i> , Analyst 2018 , 143, 4323–4334.	40	3.864	-
11. M. Acosta, R. Detsch, A. Grünewald, V. Rojas, J. Schultheiß, A. Wajda , R. Stark, S. Narayan, M. Sitarz, J. Koruza, A. Boccaccini, <i>Cytotoxicity, chemical stability, and surface properties of ferroelectric ceramics for biomaterials</i> , J. Am. Ceram. Soc. 2018 , 101(1), 440-449.	45	3.094	-
12. M. Gawęda, P. Jeleń, E. Długoń, A. Wajda , M. Leśniak, W. Simka, M. Sowa, R. Detsch, A. Boccaccini, M. Sitarz, <i>Bioactive layers based on black glasses on titanium substrates</i> , J. Am. Ceram. Soc. 2018 , 101(2), pp. 590-601.	45	3.094	-
13. A. Wajda* , M. Sitarz, <i>Structural and microstructural comparison of bioactive melt-derived and gel-derived glasses from CaO-SiO₂ binary system</i> , Ceram. Int. 2018 , 44(8), 8856-8863.	40	3.450	Etiuda, NCN
14. M. Gawęda, P. Jeleń, E. Długoń, A. Wajda , M. Leśniak, W. Simka, M. Sowa, R. Detsch, A.R. Boccaccini, M. Sitarz, <i>Erratum to: Bioactive layers based on black glasses on titanium substrates</i> , J. Am. Ceram. Soc. 2018 , 101(7), 3246.	45	3.094	-
15. M. Gawęda, E. Długoń, P. Jeleń, R. Jadach, A. Wajda , M. Nocuń, M. Szymańska, M. Sitarz, <i>Examination of doped zirconia-based layers deposited on metallic substrates</i> , J. Mol. Struct. 2018 , 1166, 321-325.	20	2.120	-
16. A. Wajda* , W. Goldmann, R. Detsch, A. Grünewald, A.R. Boccaccini*, M. Sitarz, <i>Structural characterization and evaluation of antibacterial and angiogenic potential of gallium-containing melt-derived and gel-derived glasses from CaO-SiO₂ system</i> , Ceram. Int. 2018 , 44(18), 22698-22709.	40	3.450	Etiuda, NCN
17. P. Heraud, K.M. Marzec , Q.H. Zhang, W. S. Yuen, J. Carroll, B.R. Wood*, <i>Label-free in vivo Raman microspectroscopic imaging of the macromolecular architecture of oocytes</i> , Sci. Rep. 2017 , 7, 8945, 1–10.	40	4.122	-
18. M. Dulski*, K.M. Marzec , J. Kusz, I. Galuskina, K. Majzner, E. Galuskin, <i>Different route of hydroxide incorporation and thermal stability of new type of water clathrate: X-ray single crystal and Raman investigation</i> , Sci. Rep. 2017 , 7, 9046, 1–9.	40	4.122	-
19. K. Bulat , A. Rygula, E. Szafraniec, Y. Ozaki, M. Baranska*, <i>Live endothelial cells imaged by Scanning Near-field Optical Microscopy (SNOM): capabilities and challenges</i> , J. Biophot. 2017 , 10(6), 928-938.	35	3.768	-

20. M. Kaczmarska , D. Zydek, J. Wiklacz-Potoczny, M. Fornal, T. Gordzicki, E. Kochowska, K. Kozak, L. Gocal, W. Pohorecki, K. Matlak, J. Korecki, K. Burda, <i>Influence of very small doses of alpha radiation on the stability of erythrocytes</i> , Microscopy. Res. Tech. 2017 , 80 (1), 131-143.	25	1.087	-
21. E. Długoń, K. Pach, M. Gawęda, R. Jadach, A. Wajda , M. Leśniak, A. Benko, M. Dziadek, M. Sowa, W. Simka, M. Sitarz, <i>Anticorrosive ZrO₂ and ZrO₂-SiO₂ layers on titanium substrates for biomedical applications</i> , Surf. Coat. Tech. 2017 , 331, 221-229.	35	2.906	-
22. K.M. Marzec* , J. Dybas, S. Chlopicki, M. Baranska, <i>Resonance Raman in vitro detection and differentiation of the nitrite-induced hemoglobin adducts in functional human red blood cells</i> , J. Phys. Chem. B 2016 , 120, 12249–12260.	30	3.177	Go8 Fellowship
23. K. Kochan, K. Chrabąszcz, B. Szczur, E. Maślak, J. Dybas, K.M. Marzec* , <i>IR and Raman imaging of murine brain from control and ApoE/LDLR–/– mice with advanced atherosclerosis</i> , Analyst 2016 , 141, 5329–5338.	40	3.885	Sonata, NCN
24. J. Dybas, K.M. Marzec , M. Z. Pacia, K. Kochan, K. Czamara, K. Chrabąszcz, E. Staniszewska–Slezak, K. Malek, M. Baranska, A. Kaczor*, <i>Raman spectroscopy as a sensitive probe of soft tissue composition – imaging of cross-sections of various organs vs. single spectra of tissue homogenates</i> , Trends Anal. Chem. 2016 , 85, 117–127.	50	7.487	Sonata, NCN
25. S. Talu, S. Stach, M. Kaczmarska , M. Fornal, T. Grodzicki, W. Pohorecki, K. Burda*, <i>Multifractal characterization of morphology of human red blood cells membrane skeleton</i> , J. Microsc. 2016 , 262(1), 59-72.	35	1.692	NCN
26. M. Kaczmarska , I. Habina, A. Orzechowska, K. Niemiec-Murzyn, M. Fornal, W. Pohorecki, K. Matlak, J. Korecki, T. Grodzicki, K. Burda*, <i>Influence of neutron radiation on the stability of the erythrocyte membrane and oxyhemoglobin formation – Petkau effect studies</i> , Acta Phys. Pol. B 2016 , 47 (2), 425-440.	20	0.904	NCN
27. A. Wajda* , K. Bulat , M. Sitarz, <i>Structure and microstructure of the glasses from NaCaPO₄–SiO₂ and NaCaPO₄–SiO₂–AlPO₄ systems</i> , J. Mol. Struct. 2016 , 1126, 47-62.	20	1.753	-
28. A. Wajda , M. Sitarz, <i>Structural and microstructural studies of zinc-doped glasses from NaCaPO₄–SiO₂ system</i> , J. Non-Cryst. Solids 2016 , 441, 66-73.	30	2.124	-
29. J. Suchanicz, V. Bovtun, E.M. Dutkiewicz, K. Konieczny, D. Sitko, K. Kluczevska, A. Wajda , A. Kalvane, A. Sternberg, <i>Dielectric, thermal and Raman spectroscopy studies of lead-free (Na_{0.5}Bi_{0.5})_{1-x}Sr_xTiO₃ (x = 0, 0.04 and 0.06) ceramics</i> , Phase Transit. 2016 , 89(7-8), 856-862.	20	1.060	-
30. M. Sitarz, M. Drajewicz, R. Jadach, E. Długoń, M. Lesniak, M.	30	0.571	-

Reben, A. Wajda , M. Gawęda, B. Burtan-Gwizdała, <i>Optical and Mechanical Characterization of Zirconium Based Sol-Gel Coatings on Glass</i> , Arch. Metall. Mater. 2016 , 61(4), 1747-1752.			
31. K.M. Marzec* , A. Ryguła, B.R. Wood, S. Chlopicki, M. Baranska, <i>High-resolution Raman imaging reveals spatial location of heme oxidation sites in single RBCs of dried smears</i> , J. Raman Spectrosc. 2015 , 46, 76–83.	30	2.395	Sonata, NCN; Go8 Fellowship
32. T.P Wrobel, K.M. Marzec , S. Chlopicki, E. Maślak, A. Jaształ, M. Franczyk–Żarów, I. Czyżyńska–Cichoń, T. Moszkowski, R.B. Kostogryś*, M. Baranska*, <i>Effects of low carbohydrate high protein (LCHP) diet on atherosclerotic plaque phenotype in ApoE/LDLR^{-/-} mice: FT-IR and raman imaging</i> , Sci. Rep. 2015 , 5, 14002, 1–9.	40	5.228	Sonata, NCN
33. K.M. Marzec* , K. Kochan, A. Fedorowicz, A. Jaształ, K. Chruszcz–Lipska, J.C. Dobrowolski, S. Chlopicki, M. Baranska, <i>Raman microimaging of murine lungs: insight into the vitamin A content</i> , Analyst 2015 , 140, 2171–2177.	40	4.033	Sonata, NCN
34. K.M. Marzec , A. Ryguła, M. Gąsior–Glogowska, K. Kochan, K. Czamara, K. Bulat , K. Malek, A. Kaczor, M. Baranska*, <i>Vascular diseases investigated ex vivo by using Raman, FT-IR and other methods</i> , Pharm. Rep. 2015 , 67, 744–750.	25	2.096	-
35. K. Kochan, K.M. Marzec , E. Maślak, S. Chlopicki, M. Baranska*, <i>Raman spectroscopic studies of vitamin A content in the liver: a biomarker of healthy liver</i> , Analyst 2015 , 140, 2074–2079.	40	4.033	Sonata, NCN
36. A.B. Andrews*, D. Wang, K.M. Marzec , O.C. Mullins, K.B. Crozier, <i>Surface enhanced Raman spectroscopy of polycyclic aromatic hydrocarbons and molecular asphaltenes</i> , Chem. Phys. Lett. 2015 , 620, 139–143.	25	1.897	-
37. D. Perez–Guaita, P. Heraud, K.M. Marzec , , M. Guardia, M. Kiupel, B. R. Wood*, <i>Comparison of transfection and transmission FTIR imaging measurements performed on differentially fixed tissue sections</i> , Analyst 2015 , 140, 2376–2382.	40	4.033	-
38. M. Roman, K.M. Marzec , E. Grzebelus, P.W. Simon, M. Baranska, R. Baranski*, <i>Composition and (in)homogeneity of carotenoid crystals in carrot cells revealed by high resolution Raman imaging</i> , Spectrochim. Acta A: Mol. Biomol. Spectrosc. 2015 , 136(C), 1395–1400.	30	2.653	-
39. K.M. Marzec , D. Perez–Guaita, M. de Veij, D. McNaughton, M. Baranska, M.W.A. Dixon, L. Tilley, B.R. Wood*, <i>Red blood cells polarize green laser light revealing hemoglobin's enhanced non-fundamental Raman modes</i> , Chem.Phys.Chem. 2014 , 15, 3963–3968.	35	3.419	Sonata, NCN; Go8 Fellowship

40. K.M. Marzec , T. P. Wrobel, A. Ryguła, E. Maślak, A. Jasztal, A. Fedorowicz, S. Chlopicki, M. Baranska*, <i>Visualization of the biochemical markers of atherosclerotic plaque with the use of Raman, IR and AFM</i> , J. Biophot. 2014 , 7, 744–756.	35	4.447	-
41. A. Jaworska, K. Malek, K.M. Marzec , M. Baranska*, <i>An impact of the ring substitution in nicorandil on its adsorption on silver nanoparticles. SERS studies</i> , Spectrochim. Acta A: Mol. Biomol. Spectrosc. 2014 , 129, 624–631.	30	2.353	-
42. E.V. Galuskin*, I.O. Galuskina, J. Kusz, T. Armbruster, K.M. Marzec , P. Dzierżanowski, M. Muraszko, <i>Vapnikite Ca_3UO_6 – a new double perovskite mineral from pyrometamorphic larnite rocks</i> , Mineral. Mag. 2014 , 78, 571–581.	25	2.026	-
43. K. Bulat* , M. Sitarz, A. Wajda , <i>Influence of aluminium and boron ions on the crystallization of silicate-phosphate glasses from the $NaCaPO_4$- SiO_2 system</i> , J. Non-Cryst. Solids 2014 , 401, 207-212.	30	1.766	Preludium, NCN
44. A. Ryguła, K. Majzner, K.M. Marzec , A. Kaczor, M. Pilarczyk, M. Baranska*, <i>Raman spectroscopy of proteins: a review</i> , J. Raman Spectrosc. 2013 , 44, 1061–1076.	30	2.519	-
45. K. Kochan, K.M. Marzec , K. Chruszcz–Lipska, A. Jasztal, E. Maślak, H. Musiolik, S. Chlopicki, M. Baranska*, <i>Pathological changes in the biochemical profile of the liver in atherosclerosis and diabetes assessed by RS</i> , Analyst 2013 , 138, 3885–3890.	40	3.906	-
46. K.M. Marzec , A. Jaworska, K. Malek, A. Kaczor, M. Baranska*, <i>Substituent effect on structure and surface activity of N–methylpyridinium salts (FT–IR, FT–RS, SERS and DFT)</i> , J. Raman Spectrosc. 2013 , 44, 155–165.	30	2.519	-
47. M. Dulski*, A. Bulou, K.M. Marzec , E. V. Galuskin and R. Wrzalik, <i>Structural characterization of rondorfite, calcium silica chlorine mineral containing magnesium in tetrahedral position $[MgO_4]^{6-}$, with the aid of the vibrational spectroscopies and fluorescence</i> , Spectrochim. Acta A: Mol. Biomol. Spectrosc. 2013 , 101, 382–388.	25	2.129	-
48. E. V. Galuskin*, J. Kusz, T. Armbruster, I. O. Galuskina, K.M. Marzec , Y. Vapnik, M. Murashko, <i>Actinides in Geology, Energy, and the Environment Vorlanite, $(CaU^{6+})O_4$, from Jabel Harmun</i> , American Mineralogist 2013 , 98, 1938–1942.	35	2.059	-
49. M. Kaczmarska , M. Fornal, F.H. Messerli, J. Korecki, T. Grodzicki, K. Burda*, <i>Erythrocyte membrane properties in patients with essential hypertension</i> , Cell Biochem. Biophys. 2013 , 67 (3), 1089-102.	25	2.380	NCN
50. M. Sitarz*, K. Bulat , A. Wajda , M. Szumera, <i>Direct crystallization of silicate-phosphate glasses of $NaCaPO_4$–SiO_2 system</i> , J. Therm. Anal. Calorim. 2013 , 113(3), 1363-1368	20	2.206	Preludium, NCN

51. A. Jaworska, K. Malek, K.M. Marzec , M. Baranska*, <i>Nicotinamide and trigonelline studied with surface-enhanced FT-Raman spectroscopy</i> , Vib. Spec. 2012 , 66, 469–476.	25	1.747	-
52. T.P. Wrobel, K.M. Marzec , K. Majzner, K. Kochan, M. Bartus, S. Chlopicki, M. Baranska*, <i>Attenuated Total Reflection Fourier Transform Infrared (ATR-FTIR) spectroscopy of a single endothelial cell</i> , Analyst 2012 , 137, 4135–4139.	45	3.969	-
53. T. Armbruster*, B. Lazic, I.O. Galuskina, E.V. Galuskin, E. Gnos, K.M. Marzec , V.M. Gazeev, <i>Trabzonite $Ca_4[Si_3O_9(OH)]OH$: Crystal structure, revised formula, new occurrence, and relation to killalaite</i> , Mineral. Mag. 2012 , 76, 455–472.	20	2.219	-
54. M. Sitarz*, K. Bulat , M. Szumera, <i>Influence of modifiers and glass-forming ions on the crystallization of glasses of the $NaCaPO_4-SiO_2$ system</i> , J. Therm. Anal. Calorim. 2012 , 109(2), 577-584.	25	1.982	Preludium, NCN
55. M. Sitarz*, K. Bulat , Z. Olejniczak, <i>Structure and microstructure of glasses from a $NaCaPO_4-SiO_2-BPO_4$ system</i> , Vib. Spectrosc. 2012 , 61, 72-77.	25	1.747	Preludium, NCN
56. K. Niemiec, M. Kaczmarska , M. Buczkowski, M. Fornal, W. Pohorecki, K. Matlak, J. Korecki, T. Gordzicki, K. Burda*, <i>Mössbauer studies of hemoglobin in erythrocytes exposed to neutron radiation</i> , Hyperfine Interact. 2012 . 206 (1-3), 95-100.	-	0.880	
57. K.M. Marzec , B. Gawel, K.K. Zborowski, W. Lasocha, L.M. Proniewicz*, K. Malek*, <i>Insight into coordination of dilead unit by molecules of 4-thiazolidinone-2-thione. Structural and computational studies</i> , Inorg. Chim. Act. 2011 , 376, 581–589.	27	1.846	-
58. K.M. Marzec , I. Reva, R. Fausto*, L. M. Proniewicz*, <i>Comparative Matrix Isolation Infrared Spectroscopy Study of 1,3- and 1,4-Diene Monoterpenes</i> , J. Phys. Chem. A 2011 , 115 (17), 4342–4353.	35	2.946	Grant Promotorski MNiSW
59. W. Jastrzebski*, M. Sitarz, M. Rokita, K. Bulat , <i>Infrared spectroscopy of different phosphates structures</i> , Spectrochim. Acta A: Molecular and Biomolecular Spectroscopy 2011 , 79(4), 722-727.	27	2.098	-
60. M. Kaczmarska , Z. Kopyscinska, M. Fornal, T. Gordzicki, K. Matlak, J. Korecki, K. Burda*, <i>Effects of low doses of gamma rays on the stability of normal and diabetic erythrocytes</i> , Acta Biochim. Pol. 2011 , 58 (4), 489-96.	15	1.491	
61. M. Sitarz*, K. Bulat , D. Suka, <i>Influence of modifiers and glass forming ions on the bioactivity of glasses in the $NaCaPO_4-SiO_2$ system</i> , Phys. Chem. Glasses - B 2011 , 52(3), 115-132.	27	0.628	-
62. K.M. Marzec , I. Reva, R. Fausto, K. Malek, L. M. Proniewicz*, <i>Conformational Space and Photochemistry of α-Terpinene</i> , J.	32	2.732	Grant Promotorski

Phys. Chem. A 2010 , 114, 5526–5536.			MNiSW
63. M. Sitarz*, K. Bulat , M. Szumera, <i>Aluminium influence on the crystallization and bioactivity of silico-phosphate glasses from NaCaPO₄-SiO₂ system</i> , J. Non-Cryst. Solids 2010 , 356(4-5), 224-231.	32	1.483	-
64. K.M. Marzec , B. Gawel, W. Lasocha, L.M. Proniewicz, K. Malek*, <i>Interaction model between rhodanine and silver species on a nanocolloidal surface and in the solid state</i> , J. Raman Spectrosc. 2009 , 41, 543–552.	32	3.137	-

B) Monographs, scientific publications in international and national journals other than those from the JRC database, listed in IIA

❖ INTERNATIONAL:

1. A. Kaczor, **K.M. Marzec**, K. Majzner, K. Kochan, M.Z. Pacia, M. Baranska*, *Raman Imaging of Biomedical Samples*, chapter 14 w *Confocal Raman Microscopy*, J. Toporski, T. Dieing, O. Hollricher (Eds.), **Springer Series in Surface Sciences** **2018**, 307–346.
2. D. Perez–Guaita, M. de Veij, **K.M. Marzec**, A.R.D. Almohammed, D. McNaughton, A.J. Hudson*, B.R. Wood*, *Resonance Raman and UV–Visible Microscopy Reveals that Conditioning Red Blood Cells with Repeated Doses of Sodium Dithionite Increases Haemoglobin Oxygen Uptake*, **Chemistry Select** **2017**, 2 (11), 3342–3346 (Go8 Fellowship).
3. T.P. Wrobel, A. Fedorowicz, L. Mateuszuk, E. Maślak, A. Jaształ, S. Chłopicki, **K.M. Marzec***, *Vibrational microspectroscopy for analysis of atherosclerotic arteries*, rozdział 17 w *Optical Spectroscopy and Computational Methods in Biology and Medicine*, M. Baranska (Ed.), **Springer Series: Challenges and Advances in Computational Chemistry and Physics** **2013**, 505–536 (ISBN 978–94–007–7831–3).

❖ NATIONAL:

4. English version:
K.M. Marzec*, J. Dybas, *Resonance Raman scattering spectroscopy in Vibrational spectroscopy. From theory to practice*. red. K. Malek, **Polish Scientific Publisher (PWN SA)**, **2016**, Warszawa, str. 46–52 (ISBN: 978–83–01–18885–6).

Polish version:

K.M. Marzec*, J. Dybas, *Spektroskopia rezonansowego rozpraszania ramanowskiego w Spektroskopia oscylacyjna. Od teorii do praktyki*. red. K. Malek, **Polish Scientific Publisher (PWN SA)**, **2016**, Warszawa, str. 47–53 (ISBN: 978–83–01–18826–9).

5. English version:

K. Malek*, **K.M. Marzec**, *An effect of molecular symmetry and isotopic substitution on IR and Raman spectra of chloromethane derivatives* in *Vibrational spectroscopy. From theory to practice*. red. K. Malek, **Polish Scientific Publisher (PWN SA)**, 2016, Warszawa, str. 85–88 (ISBN: 978–83–01–18885–6).

Polish version:

K. Malek*, **K.M. Marzec**, *Symetria molekuly i wpływ podstawienia izotopowego w widmach IR i ramanowskich chloropochodnych metanu* w *Spektroskopia oscylacyjna. Od teorii do praktyki*. red. K. Malek, **Polish Scientific Publisher (PWN SA)**, 2016, Warszawa, str. 86–90 (ISBN: 978–83–01–18826–9).

My contribution to this work includes formulating of the research goals, cooperation during the data analysis and preparation of the manuscript. I estimate my percentage share at 40%.

6. English version:

J. Dybas, A. Chmura–Skirlińska, **K.M. Marzec***, *Resonance Raman scattering spectroscopy in hemoglobin structure studies* in *Vibrational spectroscopy. From theory to practice*. red. K. Malek, **Polish Scientific Publisher (PWN SA)**, 2016, Warszawa, str. 185–192 (ISBN: 978–83–01–18885–6).

Polish version:

J. Dybas, A. Chmura–Skirlińska, **K.M. Marzec***, *Spektroskopia rezonansowego rozpraszania ramanowskiego w badaniu struktury hemoglobiny* w *Spektroskopia oscylacyjna. Od teorii do praktyki*. red. K. Malek, **Polish Scientific Publisher (PWN SA)** 2016, str. 191–198 (ISBN: 978–83–01–18826–9).

7. **A. Wajda***, E. Długoń, M. Sitarz, *Direct crystallization of silicate-phosphate glass from NaMgPO₄-SiO₂ system*, **Inżynieria Biomateriałów (ang. Engineering of Biomaterials)** 2016, 19 (138), 121.

8. **A. Wajda***, M. Sitarz, *Charakterystyka szkieł pochodzenia żelowego z układu binarnego CaO-SiO₂ zawierających jony miedzi*, **Materiały Ceramiczne (ang. Ceramic Materials)** 2016, 68 (3), 280.

9. **A. Wajda***, M. Sitarz, *Wpływ jonów antybakteryjnych na właściwości termiczne szkieł krzemianowo-fosforanowych*, **Materiały Ceramiczne (ang. Ceramic Materials)** 2016, 68 (3), 280.

10. **A. Wajda***, **K. Bułat**, M. Sitarz, *Wpływ procesu kierowanej krystalizacji na bioaktywność szkieł krzemianowo-fosforanowych z układu NaCaPO₄-SiO₂*, **Materiały Ceramiczne (ang. Ceramic Materials)** 2015, 67 (2), 127–131.

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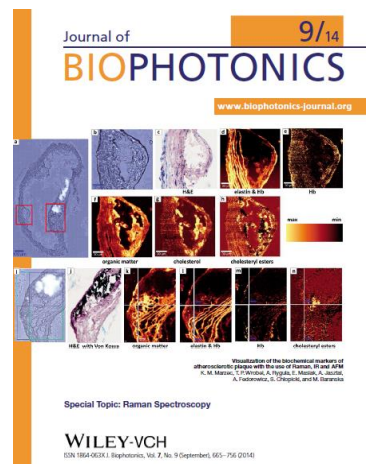
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