

НАУЧНИ ПУБЛИКАЦИИ

Заглавие	Impact	
	Scopus IR	Thomson IF
Статии в списания		
1. Пащенко В.З., Аврамов Л.А., Васильев В.В., Горохов В.В., Корватовский Б.Н., Тусов В.Б., Пикуленко А.Я., Кононенко А.А., Гришанова Н.Н., Рубин А.Б., Кинетика разделения зарядов в реакционных центрах фотосинтезирующих бактерий по данным флуоресцентной и абсорбционной спектроскопии, ДАН АН СССР, т.285, № 4, с. 1004-1008, 1985.		0.885
2. Pashchenko, V.Z.; Avramov, L.A.; Vasil'ev, S.S.; Gorokhov, V.V.; Korvatovskii, B.N.; Kukarskikh, G.P.; Rubin, A.B., Picosecond spectroscopy of charge separation and recombination processes in reaction centers of photosystem 1 in higher plants, Molecular biology (USA) (Jul-Aug 1986) Volume: 20 Issue: 4 Pages: 936-946		0.801
3. Аврамов Л.А., Верхотуров В.Н., Горохов В.В., Корватовский Б.Н., Комаров А.А., Лазарев А.А., Пикуленко А.Я., Пащенко В.З., Автоматизированный абсорбционный спектрометр для кинетических и спектральных исследований в пикосекундном временном диапазоне, "Автометрия", т. 6, с.16-23, 1988.		0.678
4. Avramov, L.A., Verkhoturov, V.N., Gorokhov, V.V., Komarov, A.I., Korvatovskii, B.N., Lazarev, A.A., Pashchenko, V.Z., Pikulenko, A.Ya., Rubin, A.B Computer-controlled absorption spectrometer for kinetic and spectral studies in the picosecond range, Optoelectronics, instrumentation, and data processing, Issue 6, 1988, Pages 15-21.	0.178	2.514
5. K.Kirilov, E.Angelova, G.Popov, V.Umlenski, L.Avramov, V.Tsanev "Colour variations in the zenith skylight during the total solar eclipse on august 11, 1999, , Comtes rendus de l'Academy bulgare des Sciences, Tome 54, № 9. 2001		0.123
6. К. Коев, В. Танев, Л. Аврамов, "Нова He-Ne лазерна система за биостимулация и терапия в офталмологията "МЕДИРЕЙ 04", "Офталмология", 2000, 5, 21-25.		
7. К. Коев, Л. Аврамов, "Клетъчна система за лазерна телеофталмология", "Офталмология", 2000, 5. 30-32.		
8. Л. Аврамов, Концепция "Лазер и здраве", Наука, 6/2001, 30-39.		
9. К. Коев, Л. Аврамов, "Телемедицинска мрежа за офталмоонкология", "Офталмология", 2001, 2. 43-47.		
10. L. Avramov, "Laser and Health Concept", Journal of the Bulgarian Academy of Sciences, Year CXIV, 4-6/2001, 8-15.		
11. Л. Аврамов, "Перспективи за приложението на хелий-неонова нискоинтензивна лазерна терапия в офталмологията при заболявания на роговицата", Медицински преглед - обзор,		

39, 2003, 3, стр. 50-53.		
12. E. G. Borisova, T. Uzunov, L. Avramov, "Early Differentiation between Caries and Tooth Demineralization using Laser-Induced Autofluorescence Spectroscopy", <i>Lasers Surg Med</i> 2004; 34 (3):249-253.	0.156	2,150
13. Stela Minkovska, Bojana Jeliaskova, Ekaterina Borisova, Latchezar Avramov and Todor Deligeorgiev: "Substituent and solvent effect on the photochromic properties of a series of spiroindolinophthoxazines", <i>J Photochem PhotoBiol A: Chemistry</i> 2004; 163:121-126.	1.270	2,235
14. P. Troyanova, E. Borisova, L. Avramov, "Imaging methods in diagnostics of cutaneous tumors", <i>Dermatology Venerology (in Bulgarian)</i> 2004, 43(2):3-9.		
15. L. Avramov, E. Borisova, P. Townsend, and L. Valberg, "Potential and current uses of luminescence in medical diagnosis", <i>Mater Sci Forum</i> 2005; Vol. 480-481, p. 411-416.	0.450	0,399
16. V. Mantareva, D. Petrova, L. Avramov, I. Angelov, E. Borisova, M. Peeva, D. Woehrle, "Long wavelength absorbing cationic Zn (II) - phthalocyanines as fluorescent contrast agents for B16 pigmented melanoma", <i>J Porphyr Phthalocyan</i> 2005; 9:47-53.	0.092	1,339
17. E. Borisova, P. Troyanova, L. Avramov, "Laser-induced autofluorescence spectroscopy for diagnostics and differentiation of malignant melanoma - results and perspectives, <i>Journal of Bulgarian Academy of Sciences (in Bulgarian)</i> 2005; 6:62-65.	0.380	
18. P. Pavlova, L. Avramov, H. Naradikian, T. Angelov, A. G. Petrov, "Temperature dependence of chromaticity in polymer-dispersed cholesteric liquid crystal: Reflection and transmission characteristics", <i>Journal of Optoelectronics and Advanced Materials</i> Vol. 7, No. 1, February 2005, p. 285-288.	1.120	1,138
19. L. Avramov, "New Generation of Medical Lasers", <i>Journal of the Bulgarian Academy of Sciences, (in Bulgarian), Year CXVIII, 5/2005, 42-49.</i>		
20. E. Borisova, Tz. Uzunov, L. Avramov "Laser-induced autofluorescence study of caries model in vitro", <i>Las Med Sci</i> 2006; Vol. 21, p. 34-41.	0.790	1,270
21. E. Borisova, T. Uzunov, L. Avramov, "Investigation of dental caries using laser and light-induced autofluorescence methods", <i>Bulg J Phys</i> 2006; Vol. 33(1), p. 55-67.	0.360	
22. E. Drakaki, E. Borisova, M. Makropoulou, L. Avramov, A. A. Serafetinides, I. Angelov, "Laser induced autofluorescence studies of animal skin used in modeling of human cutaneous tissue spectroscopic measurements", <i>Skin Res&Tech</i> 2007,13: doi:10.1111/j.1600-0846.2007.00237.x	0.970	1,280
23. E. G. Borisova, P. P. Troyanova, L. A. Avramov, "Fluorescence spectroscopy for early detection and differentiation of cutaneous pigmented lesions", <i>Optoelectronics and Advanced Materials - JOAM-Rapid Communications</i> , 1:388-393 (2007).	0.570	1,138
24. I. Bliznakova, E. Borisova, L. Avramov, "Laser- and Light-	0.048	0.394

Induced Autofluorescence Spectroscopy of Human Skin in Dependence on Excitation Wavelengths", <i>Acta Physica Polonica A</i> , 2007, Vol. 112, № 5, pp. 1131-1137.		
25. N. Momchilov, I. Bliznakova, E. Borisova, P. Troyanova, L. Avramov, "Development of Low-cost Photodynamic Therapy Device", <i>Acta Physica Polonica A</i> , 2007, Vol. 112, № 5, pp. 1125-1130.	0.048	0.394
26. L. Avramov, E. Borisova, B. Vladimirov, "Biomedical Photonics - New Direction in the Science and Technologies", <i>Bulgarian Academy of Sciences News</i> , No 9 (49), Year V, p.1-2.		
27. Mantareva, V., Kussovski, V., Angelov, I., Borisova, E., Avramov, L., Schnurpfeil, G., Wöhrle, D. Photodynamic activity of water-soluble phthalocyanine zinc (II) complexes against pathogenic microorganisms, 2007, <i>Bioorganic and Medicinal Chemistry</i> 15 (14), pp. 4829-4835.	1.040	2,92
28. Borisova, E., Troyanova, P., Pavlova, P., Avramov, L. Diagnostics of pigmented skin tumors based on laser-induced autofluorescence and diffuse reflectance spectroscopy, 2008, <i>Quantum Electronics</i> 38 (6), pp. 597-605.	0.810	0.985
29. Borisova, E.G., Nikolova, E., Troyanova, P.P., Avramov, L.A. Autofluorescence and diffuse reflectance spectroscopy of pigment disorders in human skin, 2008, <i>Journal of Optoelectronics and Advanced Materials</i> 10 (3), pp. 717-722.	0.047	1,138
30. Balabanov, S., Tsvetkova, T., Borisova, E., Avramov, L., Bischoff, L. Dose dependence of visible range diffuse reflectivity for Si ⁺ and C ⁺ ion implanted polymers, 2008, <i>Journal of Physics: Conference Series</i> 113 (1), art. no. 012038.	0.043	
31. Balabanov, S., Tsvetkova, T., Borisova, E., Avramov, L., Bischoff, L. Spectral distribution of UV range diffuse reflectivity for Si ⁺ ion implanted polymers, 2008, <i>Journal of Physics: Conference Series</i> 113 (1), art. no. 012039.	0.043	
32. E. Borisova, B. Vladimirov, L. Avramov, "5-ALA Mediated Fluorescence Detection of Gastrointestinal Tumors", <i>Advances in Optical Technologies</i> , Volume 2008 (2008), Article ID 862081, 7 pages doi:10.1155/2008/862081		
33. P. Troyanova, E. Borisova, L. Avramov, Photodynamic medicine - perspectives of development, <i>Oncology</i> , 36(1): 45-54 (2008)		
34. Borisova, E., Pavlova, P., Troyanova, P., Avramov, L. Automation of cancer diagnosis based on colorimetric transformation of cutaneous reflectance spectra, 2007, <i>Conference on Lasers and Electro-Optics Europe - Technical Digest</i> , art. no. 4386657.		
35. Borisova, E., Bliznakova, I., Troyanova, P., Avramov, L. Endogenous and exogenous fluorescence spectroscopy of base-cell carcinoma, 2008, <i>Comptes Rendus de L'Academie Bulgare des Sciences</i> 61 (7), pp. 871-878.	0.140	0.106
36. T.Tsvetkova, S.Balabanov, L.Avramov, E.Borisova, L.Bischoff: "Si ⁺ implantation induced photoluminescence enhancement in PMMA", <i>Przeglad Elektrotechniczny</i> R84 (3) 2008, 72-74.	0.310	0.196

37. Kussovski, V., Mantareva, V., Angelov, I., Orozova, P., Wöhrle, D., Schnurpfeil, G., Borisova, E., Avramov, L. Photodynamic inactivation of aeromonas hydrophila by cationic phthalocyanines with different hydrophobicity, 2009, FEMS Microbiology Letters 294 (2), pp. 133-140.	0.910	2.274
38. Tsvetkova, T., Balabanov, S., Avramov, L., Borisova, E., Angelov, I., Sinning, S., Bischoff, L. Photoluminescence enhancement in Si ⁺ implanted PMMA, 2009, <i>Vacuum</i> 83 (SUPPL.1), pp. S252-S255.	0.950	0.881
39. Л. Аврамов, Съвременни форми на научен и технологичен трансфер, <i>Наука</i> , 3/2009, 20-25.		
40. I. Bliznakova, O. Vankov, T. Dreischuh, L. Avramov and D. Stoyanov, Measurement of Small Variations in Optical Properties of Turbid Inclusions with Respect to Surrounding Turbid Medium, ACTA PHYSICA POLONICA A, No. 4, Vol. 116 (2009), 681-683.	0.290	0.53
41. E. Borisova, E. Carstea, L. Cristescu, E. Pavlova, N. Hadjiolov, P. Troyanova, L. Avramov, "Light-induced fluorescence spectroscopy and optical coherence tomography of basal cell carcinoma", <i>Journal of Innovative Optical Health Sciences</i> vol.2(3), pp 261-268 (2009)	0.262	0.63
42. P. Pavlova, E. Borisova, L. Avramov, El. Petkova, and P. Troyanova, Investigation of relations between skin cancer lesion's images and their fluorescent spectra, <i>Laser Physics</i> , 2010, Vol. 20, No. 3, 20(3):596-603. DOI:10.1134/S1054660X10050142	0.530	3.61
43. K. Koev, E. Borisova and L. Avramov, He-Ne low level laser therapeutic applications for treatment of acute iridocyclitis, ACTA MEDICA BULGARICA 1/2010, Vol. XXXVII, 22-29.	0.050	
44. K. Koev, E. Borisova and L. Avramov, Laser-induced autofluorescence spectroscopy of basal cell carcinoma and papilloma of eyelids and comparison with the results from the histological investigation, ACTA MEDICA BULGARICA 1/2010, Vol. XXXVII, 51-54.	0.050	
45. Tsvetkova, T., Balabanov, S., Avramov, L., Borisova, E., Angelov, I., Bischoff, L., Photoluminescence of Si ⁺ and C ⁺ implanted polymers, <i>Journal of Physics: Conference Series</i> , Volume 223, Issue 1, 2010, Article number 012033, ISSN: 17426588, DOI: 10.1088/1742-6596/223/1/012033	0.043	
46. Balabanov, S., Tsvetkova, T., Borisova, E. , Avramov, L. , Bischoff, L. , Zuk, J., Optical properties of Si ⁺ implanted PMMA, <i>Journal of Physics: Conference Series</i> , Volume 223, Issue 1, 2010, Article number 012032, ISSN: 17426588, DOI: 10.1088/1742-6596/223/1/012032	0.043	
47. T.Dreischuh, D. Stoyanov, L. Gurdev, Orlin Vankov, I.Bliznakova, L.Avramov, E. Borisova, Method for detection and analysis of small turbid inclusions in turbid media using single-sided laser sensing, BULGARIAN ACADEMY OF SCIENCES, NEWS, No 1 (89), Year IX, January 2011, ISSN 1312-2436.		
48. Аврамов, Лъчезар. Актуални проблеми на академичната автономия, <i>Стратегии на образователната и научната политика</i> , XIX, 2011, N 1, с. 56-65.		

49. Damyanov ChA, Gherasimova DM, Avramov LA and Maslev IK, Insulin Potentiation Therapy in the Treatment of Malignant Neoplastic Diseases: A Three Year Study, J Cancer Sci Ther 2012, 4.4, http://dx.doi.org/10.4172/1948-5956.1000117	0.032	5.62
50. Ljuan Gurdev, Tanja Dreischuh, Irina Bliznakova, Orlin Vankov, Lachezar Avramov and Dimitar Stoyanov, Scattering of a laser beam in turbid media with forward-peaked Henyey-Greenstein indicatrices, 2012 <i>Phys. Scr.</i> 2012 014074 doi:10.1088/0031-8949/2012/T149/014074	0.367	1.24
51. Ekaterina Borisova, Petya Pavlova, Elmira Pavlova, Petranka Troyanova, Latchezar Avramov, Optical Biopsy of Human Skin - A Tool for Cutaneous Tumours' Diagnosis, INT. J. BIOAUTOMATION, 2012, 16(1), 53-72		
52. Ch. Damyanov, J. Sirova, D. Gerasimova, I. Maslev, L. Avramov, A. Gisbreht, "Intravenous laser (405 nm) irradiation of blood for treatment of oncological diseases. Initial investigations." <i>Laser Medicine</i> , v.16, N3, pp. 25-28(2012) ISSN 2071-8004		
53. K. Koev, L. Avramov, E. Borissova, Two year follow-up of low-level laser therapy (LLLT) in patients with age-related macular degeneration (AMD), <i>Acta ophthalmologica</i> 09/2012; 90(s249). DOI: 10.1111/j.1755-3768.2012.S053.x	1.545	2.44
54. Gurdev, L., Dreischuh, T., Vankov, O., Bliznakova, I., Avramov, L., Stoyanov, D., Turbid media optical properties derived from the characteristics of propagating laser radiation beams, <i>Applied Physics B: Lasers and Optics</i> , Volume 115, Issue 3, June 2014, Pages 427-441	1.193	1.782
55. Prasanth, C.S., Karunakaran, S.C., Paul, A.K., Kussovski, V., Mantareva, V., Ramaiah, D., Selvaraj, L., Angelov, I., Avramov, L., Nandakumar, K., Subhash, N., Antimicrobial Photodynamic Efficiency of Novel Cationic Porphyrins towards Periodontal Gram-positive and Gram-negative Pathogenic Bacteria, <i>Photochemistry and Photobiology</i> , 2014, 90 (3), pp. 628 - 640	0.896	2.29
56. E. BORISOVA, L. ANGELOVA, AL. ZHELYAZKOVA, TS. GENOVA, O. SEMYACHKINA-GLUSHKOVSKAYA, M. KEREMEDCHIEV, N. PENKOV, B. VLADIMIROV, L. AVRAMOV Endogenous and exogenous fluorescence spectroscopy of gastrointestinal tumours - in vitro studies <i>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</i> Vol. 16, No. 9-10, September - October 2014, p. 1196 - 1205	0.277	0,562
Глави в монографии		
57. E. Borisova, P. Pavlova, P. Troyanova, L. Avramov, "Chapter 8.4: Chromatic monitoring of biological tissue and fluids - Skin cancer diagnosis", in <i>Chromatic monitoring of complex conditions</i> , ed. G. Jones, A Deakin, J. Spencer, Taylor and Francis 2007, ISBN 978-158-488-988-5.		
58. Ekaterina G. Borisova, Borislav Vladimirov, Radina Ivanova, Latchezar Avramov, "Light-induced fluorescence techniques for		

gastrointestinal tumors' detection", in "Endoscopy", 2011, ISBN 978-953-307-385-9, 232-252.		
59. Ekaterina Borisova, Irina Bliznakova, Vanya Mantareva, Ivan Angelov, Lachezar Avramov, Elmira Petkova, "Photodiagnosis and photodynamic therapy of cutaneous melanoma", in "Melanoma", 2011, ISBN 978-953-307-264-7, 141-156.		2.52
60. Petya Pavlova, Ekaterina Borisova, Lachezar Avramov, Elmira Petkova and Petranka Troyanova, "Investigation of Relations Between Skin Cancer Lesions' Images and Their Reflectance and Fluorescent Spectra", in "Melanoma in the Clinic - Diagnosis, Management and Complications of Malignancy", Edited by: Prof. Mandi Murph, Publisher: InTech, August 2011, ISBN 978-953-307-571-6, 87-104.		2.55
Публикации в специализирани научни сборници		
61. Л.А.Аврамов, В.В.Горохов, В.Н.Верхотуров, Б.Н.Корватовский, А.Я.Пикуленко, В.З.Пащенко, Пикосекундный спектрометр для биологических исследований, автоматизированный на базе ЭВМ "Электроника 60" и средств сопряжения в стандарте КАМАК, Люминисцентный анализ в медико-биологических исследованиях", Сборник научных статей, с. 113-117, Рига, 1986.		
62. П.Атанасов, В.Бърнеков, Ч.Гелев, Л.Аврамов, Изследване възможността за рязане на ПДВ с помощта на лазер, т-8, 28, Първи Национален симпозиум "Физика и електронизация", Пловдив, 1979.		
63. П.Атанасов, М.Петрова, Ч.Гелев, Л.Аврамов, Изследване на ТЕ-СО ₂ лазер с УВ преионизация, НТ конференция на НИИО, 14.09.1981.		
64. М.Петрова, П.Атанасов, Ч.Гелев, Л.Аврамов, Влияние на органични примеси с нисък потенциал на йонизация върху работата на ТЕ-СО ₂ лазер, НТ конференция на НИИО, 14.09.1981.		
65. M.Petrova, P.Atanassov, C.Ghelev, L.Avramov, Investigation of UV-preionized TE-CO ₂ Lasers, 4 th Int. Conf. on Lasers and their Application, Oct. 19-23, 1981, Leipzig.		
66. Корватовский Б.Н., Аврамов Л.А., Логунов С.Л., Возняк В.М., Пащенко В.З., Кинетика рекомбинации зарядов в первичной радикальной паре реакционных центров пурпурных бактерий, IV Всесоюзная школа "Применение лазеров в биологии", с.104-105, 1986, Кишинев.		
67. L.Avramov, O.Vankov, C.Ghelev, N.Mihailov, Laser system for semiconductor material analysis and processing, 4 th Summer Scool on Quantum electronics, 1986, Sl.briag.		
68. Горохов В.В., Аврамов Л.А., Верхотуров В.Н., Комаров А.А., Програмное обеспечение системы управления пикосекундным абсорбционным спектрометром, Труды III межинститутского семинара "Применение микро-ЭВМ в физическом эксперименте", ИФ АН ЛитССР, Вильнюс, с. 9-21, 1984.		

69. Atanasov, Peter A.; Tomov, R. I.; Serbesov, V. S.; Grunchev, A.; Avramov, L., Laser patterning and modification of thin YBCO films, (1996), Proc. SPIE Volume: 2777, ALT'95 International Symposium: Advanced Materials for Optics and Optoelectronics, p. 163-173.	0.203	
70. L.Avramov, A.Grantchev, J.Poleganova, Computerized surgical laser system, Proc. SPIE , (1999) 3571, pp. 397-401.	0.180	0,127
71. G.Todorov, D. Zhechev, L. Avramov, Z. Yordanova, A. Grynchev "Laser induced galvanic signals and magneto-galvanic resonances in a hollow cathode discharge" - X-th School on Quantum Electronics, Varna, September 1998, Bulgaria, Proc. SPIE (1999), 3571, pp. 219-223.	0.180	
72. G. Todorov, D. Zhechev, S. Atanasova, L. Avramov, V. Arsov, N. Durmenov, Z. Yordanova "Optogalvanic, magnetogalvanic and self-alignment effects in glow discharge" 31-th EGAS, Marseilles 6-9 th July (1999), pp. 482-483.		
73. E. Borisova, L. Avramov, "Laser System for Optical Biopsy and in vivo Study of the Human Skin", Proceedings of SPIE Vol. 4397, 405-409 (2001).	0.340	0,077
74. K. Koev, V. Tanev, E. Borisova, L. Avramov, "New ophthalmological system for low-level laser therapy "MEDIRAY 04", Proc. of Intern. Symp. Laser Technologies and Lasers LTL'2001, Smolyan - Bulgaria, p. 143-149.		
75. Tz. Uzunov, E.Borisova, A. Gisbrecht, L. Avramov, "Autofluorescence – potential method for early diagnosis of dental caries (in vitro preliminary study)", Proc. of Intern. Symp. Laser Technologies and Lasers LTL'2001, Smolyan - Bulgaria, p.197-203.		
76. S.Dimitrov, E.Borisova, A.Gisbrecht, R.Todorovska, L.Avramov, G.Todorov, "Comparative investigation of the tooth whitening processes using Ar ⁺ and CuBr lasers", in 11 th International School on Quantum Electronics: Laser Physics and Applications, Peter A. Atanasov, Stefka Cartaleva, Editors, Proceedings of SPIE Vol. 4397,400-404 (2001).	0.340	0.077
77. H. Hristov, E. Borisova, L. Avramov, I. Kolev, "Applications of laser-induced fluorescence for remote sensing", in 11 th International School on Quantum Electronics: Laser Physics and Applications, Peter A. Atanasov, Stefka Cartaleva, Editors, Proceedings of SPIE Vol. 4397, 496-500 (2001).	0.340	0.077
78. E. Borisova, Tz. Uzunov, A. Gisbreht, L. Avramov, "Early detection of the carious conditions by laser-induced fluorescence spectroscopy" (invited paper), in Proceeding of SPIE Vol. 5149 (2003), p. 39 - 44.	0.290	0.132
79. Борисова Е., Аврамов Л., Коев К., "Лазерно-индуцированная автофлуоресцентная диагностика рака кожи", Фотобиология та Фотомедицина, Міжнародний науково-практичний журнал, т. IV, № 1,2`2001		
80. Гизбрехт А., Борисова Е., Аврамов Л. "Лазерные методы в терапевтической стоматологии, , Фотобиология та Фотомедицина, Міжнародний науково-практичний журнал, т. IV, № 1,2`2001.		

81. E. Borisova, K. Koev, L. Avramov, "Laser-induced autofluorescence spectroscopy of base-cell carcinoma" (invited paper), Proc. EGAS'34, Sofia 2002, p. 63-64.		
82. Pl. Djorev, E. Borisova, L. Avramov, "Interaction of the IR laser radiation with human skin - Monte-Carlo simulation", in Proceeding of SPIE Vol. 5226 (2003), p. 403 - 407.	0.290	0.132
83. Tz. Uzunov, E. Borisova, Al. Gisbreht, L. Avramov, "Investigation of pathological changes of human teeth by the method of laser-induced autofluorescence spectroscopy", in Proceeding of SPIE Vol. 5226 (2003), p. 428 - 432.	0.290	0.132
84. E. Borisova, S. Valkanov, Tz. Uzunov, L. Avramov, "Correlation between photophysical characteristics and morphological structures of dental tissues", in Proceeding of SPIE Vol. 5226 (2003), p. 433 - 436.	0.290	0.132
85. E. G. Borisova, P. P. Troyanova, and L.A.Avramov, "Noninvasive optical methods for pigmented skin lesion diagnosis", Proc. of the Fifth General Conference of the Balkan Physical Union BPU-5, Vrnjacka Banja, Serbia and Montenegro, August 25-29, 2003, ed. S. Jokic, I. Milosevic, A. Balaz, Z. Nikolic, - Elektronska interaktivna multimedia - Belgrade: Serbian Physical Society, ISBN 86-902537-4-2, p. 1771-1774.		
86. T. T. Uzunov, E. G. Borisova, and L.A.Avramov, "Reflectance spectroscopy of human teeth (in vitro preliminary study)", Proc. of the Fifth General Conference of the Balkan Physical Union BPU-5, Vrnjacka Banja, Serbia and Montenegro, August 25-29, 2003, ed. S. Jokic, I. Milosevic, A. Balaz, Z. Nikolic, - Elektronska interaktivna multimedia. - Belgrade: Serbian Physical Society, ISBN 86-902537-4-2, p. 1775-1778.		
87. Ekaterina G. Borisova, Latchezar A. Avramov, Tzonko T. Uzunov, "Laser-induced fluorescence studies of caries model", Proceedings of SPIE Vol. 5449 (2004) 235-242.	0.390	
88. P. Pavlova, E. Borisova, L. Avramov, "Automation of the skin cancer diagnostics on the bases of reflectance spectroscopy", Proc. 9 th National Confer on Biomed Phys Eng, ISBN 954-91589-1-8, 2004, p.260-265.	0.390	
89. E. Borisova, I. Angelov, V. Mantareva, D. Petrova, P. Townsend, L. Valberg, L. Avramov, "Tumor detection by exogenous fluorescent dyes using new generation photo-multiplier tubes", Proc. SPIE Vol.5830,(2005), p. 399-403.	0.380	
90. E.G. Borisova, P.P. Troyanova, V. P. Stoyanova, L.A. Avramov, "Laser-induced fluorescence spectroscopy of benign and malignant cutaneous lesions", roc. SPIE Vol.5830 (2005), 394-399.	0.380	
91. I.S. Atanasov, E.G. Borisova, O.I. Yordanov, Tz.T. Uzunov, L.A. Avramov, "Classification of dental lesions using fluorescence analysis by support vector machine method", Proc. SPIE Vol.5830 (2005), p. 389-393.	0.380	
92. D. Dobrikov, L. Avramov, "Study of laser mediated cartilage reshaping", Proceedings of SPIE, Volume 5830, April 2005, pp. 439-	0.380	

443.		
93. Kr. Koev, V. Tanev, M. Rousseva, A. Mihova, L. Avramov, "Comparative study on the effect of He-Ne laser radiation and polarized monochromatic light on the changes of the cornea after chemical burning", Proceedings of SPIE, Volume 5830, 2005, p. 459-462.	0.380	
94. E. Borisova, P. Troyanova, L. Avramov, "Optical biopsy of non-melanin pigmented cutaneous benign and malignant lesions", Proc. SPIE 2006, Vol. 6257, 0U-1-0U-8.	0.360	
95. P. Troyanova, E. Borisova, V. Stoyanova, L. Avramov, "Laser-induced autofluorescence spectroscopy of benign and dysplastic nevi and malignant melanoma", Proc. SPIE 2006, Vol. 6284, 62840K-1-62840K-8.	0.360	
96. E. Borisova, P. Troyanova, L. Avramov, "Laser-induced autofluorescence properties of base-cell lesions - analysis and algorithms for diagnosis and differentiation", Proc. SPIE 2006, Vol. 6284, 62840F-1-62840F-7.	0.360	
97. E. Borisova, P. Troyanova, L. Avramov, "Reflectance measurements of skin lesions - noninvasive method for diagnostic evaluation of pigmented neoplasia", Proc. SPIE Vol. 5862 "Diagnostic Optical Spectroscopy in Biomedicine III" 2005, 20A1-20A11.	0.380	
98. E. Borisova, Tz. Uzunov, L. Avramov, "Reflectance properties of carious lesions", in Proc. of the Fourth International Symposium LTL'05, Plovdiv, Bulgaria 2005, ISSN 1312-0638, p. 126-130.		
99. V. Stoyanova, P. Troyanova, E. Borisova, L. Avramov, "Multispectral discriminant analysis of cutaneous tumor fluorescence and reflectance spectra", in Proc. of the Fourth International Symposium LTL'05, Plovdiv, Bulgaria, 2006, ISSN 1312-0638, p. 256 - 260.		
100. E. Borisova, V. Stoyanova, N. Momchilov, P. Troyanova, L. Avramov, "Simplified experimental set-up for fluorescence and reflectance spectroscopy of normal skin and neoplasia", in Proc. of the Fourth International Symposium LTL'05, Plovdiv, Bulgaria, 2006, ISSN 1312-0638, p. 131-136.		
101. V. Mantareva, I. Angelov, I. Goshev, E. Borisova, L. Avramov, "Laser-induced fluorescence studies of the interaction of zinc phthalocyanine and serum albumins", in Proc. of the Fourth International Symposium LTL'05, Plovdiv, Bulgaria, 2006, ISSN 1312-0638, p. 194-198.		
102. I. Angelov, V. Mantareva, E. Borisova, L. Avramov, "Laser scattering detection of protein conformation changes induced by phthalocyanine binding to serum albumins", in Proc. of the Fourth International Symposium LTL'05, Plovdiv, Bulgaria, 2006, ISSN 1312-0638, p. 101-105.		
103. Б. Владимиров, И. Цакова, Е. Борисова, Н. Момчилов, Л. Аврамов, "Нови измерения на медицинската диагностика на гастроинтестинални тумори - флуоресцентна ендоскопия", Сборник Доклади на XXXIV Национална Конференция по		

Въпросите на Обучението по Физика на тема: "Физиката в Биологията и медицината", ISBN: 10:954-91841-1-0, (2006) стр.165-168.		
104. Л. Аврамов, Е. Борисова, "Лазерна биомедицина", Сборник Доклади на XXXIV Национална Конференция по Въпросите на Обучението по Физика на тема: "Физиката в Биологията и медицината", ISBN: 10:954-91841-1-0, (2006) стр.46-51.		
105. E. Borisova, I. Bliznakova, N. Momchilov, P. Troyanova, L. Avramov, "Fluorescence Spectroscopy Investigations of Cutaneous Tissues", AIP Conference Proceedings "VI International Conference of BPU", 2007, Vol. 899, p. 465-466.	0.050	
106. E. Borisova, B. Vladimirov, I. Angelov, L. Avramov, "Fluorescent Endoscopy of Tumors in Upper Part of Gastrointestinal Tract", AIP Conference Proceedings "VI International Conference of BPU", 2007, Vol. 899, p. 467-468.	0.050	
107. I. Bliznakova, E. Borisova, P. Troyanova, N. Momchilov, L. Avramov, "Autofluorescence spectroscopy for noninvasive skin phototypes differentiation", Proc. SPIE, 2007, Vol. 6604, 6604-29.	0.260	
108. V. Mantareva, I. Angelov, E. Borisova, L. Avramov, V. Kussovski, "Phthalocyanine-assisted photodynamic inactivation of pathogenic microorganisms", Proc. SPIE, 2007, Vol. 6604, 6604-2A.	0.260	
109. E.G. Borisova, Tz. T. Uzunov, L.A. Avramov, "Laser-induced autofluorescence of oral cavity hard tissues", Proc. SPIE, 2007, Vol. 6604, 6604-2F.	0.260	
110. E.G. Borisova, B. G. Vladimirov, I.G. Angelov, L.A. Avramov, "Fluorescence spectroscopy of gastrointestinal tumors using δ -ALA", Proc. SPIE, 2007, Vol. 6604, 6604-2H.	0.260	
111. E. Drakaki, M. Makropoulou, A. Serafetinides, E. Borisova, L. Avramov, J. Sianoudis, "Optical spectroscopic studies of animal skin used in modelling of human cutaneous tissue", Proc. SPIE, 2007, Vol. 6604, 6604-2K.	0.260	
112. K. Koev, V. Tanev, L. Avramov, E. Borisova, "Clinical investigation of combined therapy influence over Keratitis Herpetica Dendrica with He-Ne laser, Pandavir and Acycovir", Proc. SPIE, 2007, Vol. 6604, 6604-2E.	0.260	
113. E. Borisova, Tz. Uzunov, S. Valkanov, L. Avramov, "Light diffuse reflectance for detection and differentiation of teeth caries lesions (invited)", Proc. SPIE "Optical Technologies in Biophysics and Medicine VIII" 2007, 6535, 6535-10.	0.260	
114. E. Borisova, Tz. Uzunov, B. Vladimirov, L. Avramov, "Investigation of formalin influence over hard and soft biological tissues fluorescent spectra in vitro", Proc. SPIE "Optical Technologies in Biophysics and Medicine VIII" 2007, 6535, 6535-49.	0.260	
115. E. Borisova, L. Avramov, "Applications of exogenous sensitizers in photodiagnosis, photodynamic therapy, radiation therapy, and boron neutron capture therapy", Proc. of the Third International Summer Student School "Nuclear Physics Methods and Accelerators in Biology and Medicine", Dubna, Russia, July 2005.		

116. E. Borisova, I. Angelov, V. Mantareva, M. Marinova, I. Goshev, G. Likhtenshtein, L. Avramov, "Evaluation of protein hydrolysis by phthalocyanine labeling", Proc. ILLA/LTL'06, Smolyan, 2006, 236-244.		
117. M.M.Asimov, R.M.Asimov, S.A.Mamilov, Y.S.Plaksiy, A.N.Rubinov, A.I.Gisbrecht, L.A.Avramov, "Application of laser-induced tissue oxygenation for increasing the efficiency of the method of photodynamic therapy of solid tumors, Proc. ILLA/LTL'06, Smolyan, 2006, 231-235.		
118. T.Tsvetkova, S.Balabanov, E. Borisova, L. Avramov, J.Zuk and L.Bischoff, "Optical Properties of Si ⁺ and C ⁺ implanted Polimers", Proc. ILLA/LTL'06, Smolyan, 2006, 201-206.		
119. E. Borisova; I. Bliznakova; P. Troyanova M.D.; L. Avramov, Light-induced autofluorescence of animal skin used in tissue optical modeling, SPIE Proc. (2007), Vol. 6628, 6628-1J (2007).	0.260	
120. B. Vladimirov; E. Borisova; L. Avramov, Delta-ALA-mediated fluorescence spectroscopy of gastrointestinal tumors: comparison of in vivo and in vitro results, Proc. SPIE - Vol. 6727, 6727-1X (2007).	0.260	
121. P. Troyanova M.D.; E. Borisova; L. Avramov Fluorescence and reflectance properties of hemoglobin-pigmented skin disorders, Proc. SPIE - Vol. 6734, 6734-15 (2007).	0.260	
122. E. Borisova; P. Troyanova M.D.; L. Avramov, Influence of measurement geometry on the human skin reflectance spectra detection, Proc. SPIE - Vol. 6734, 6734-16 (2007).	0.260	
123. A. Deleva, Z. Peshev, I. Grigorov, V. Mitev, L. Avramov, "Development of a Lidar for Determination of Molecular Constituents of the Troposphere", Proc. ILLA/LTL'05, Plovdiv, 2005, 207-210.		
124. N. Momchilov, S. Tabakov, K. Koev, L. Avramov, "Low Level Laser System Microcontroller, Proc. ILLA/LTL'05, Plovdiv, 2005, 203-206.		
125. Angelov, I., Mantareva V., Kussovski, V., Woehrl, D., Borisova, E., Avramov, L. Improved antimicrobial therapy with cationic tetra- and octa-substituted phthalocyanines, Proceedings of SPIE - The International Society for Optical Engineering Volume 7027, 2008, Article number 702717.	0.240	
126. Borisova, E., Troyanova, P., Nikolova, E., Avramov, L. Cutaneous tumors in vivo investigations using fluorescence and diffuse reflectance techniques, (invited), 2008, Progress in Biomedical Optics and Imaging - Proceedings of SPIE 6791, art. no. 679105.	0.240	
127. Deleva, A.D., Grigorov, I.V., Avramov, L.A., Mitev, V.A., Slesar, A.S., Denisov, S. Raman-elastic-backscatter lidar for observations of tropospheric aerosol, 2008, Proceedings of SPIE - The International Society for Optical Engineering 7027, art. no. 70270Y.	0.240	
128. Borisova, E., Vladimirov, B., Avramov, L. 5-ALA/PpIX fluorescence detection of esophageal and stomach neoplasia: Effects of autofluorescence background from normal and inflammatory areas, 2008, Proceedings of SPIE - The International Society for Optical	0.240	

Engineering 7027, art. no. 70271A.		
129. E. Borisova, B. Vladimirov, L. Avramov, Fluorescence Detection of Esophageal Neoplasia, Proc. SPIE Vol. 6791, SFM'07 - Optical Technologies in Biophysics and Medicine IX, ed. V. Tuchin, 679104, (2008)	0.240	
130. I. Bliznakova, O. Vankov, T. Dreischuh, L. Avramov and D. Stoyanov, Spacial distribution of laser beam spreading in turbid tissue-like media containing ingredients, 2008, Proceedings of SPIE - The International Society for Optical Engineering 7027, art. no. 702719	0.240	
131. E. Borisova, B. Vladimirov, I. Terziev, R. Ivanova, L. Avramov, 5-ALA/PpIX fluorescence detection of gastrointestinal neoplasia, 2009, Proceedings of SPIE, Vol. 7368, 736824-1-6.	0.210	
132. E. Borisova, D. Dogandjiiska, I. Bliznakova, L. Avramov, E. Pavlova, P. Troyanova, Multispectral autofluorescence diagnosis of non-melanoma cutaneous tumors, SPIE Proc. 7368, "Clinical and Biomedical Spectroscopy", Irene Georgakoudi; Jürgen Popp; Katarina Svanberg M.D., Editors, 7368-23 (2009).	0.210	
133. L. L. Gurdev, I. A. Bliznakova, T. N. Dreischuh, O. I. Vankov, D. V. Stoyanov, L. A. Avramov, Quantitative analysis of experimental data on the effects accompanying the propagation of laser radiation through biological-tissue-like turbid media, 2010, AIP Conference Proceedings 1203, pp. 716-721.	0.088	
134. A. Deleva, Z. Peshev, Al. Slesar, S. Denisov, L. Avramov, D. Stoyanov, Vertical Profiling of Atmospheric Backscatter with a Raman-Aerosol Lidar, 2010, AIP Conference Proceedings 1203, pp. 388-393.	0.088	
135. E. Borisova, L. Avramov, P. Pavlova, E. Pavlova, P. Troyanova, "Qualitative optical evaluation of malignancies related to cutaneous phototype", Proc. SPIE - PhotonicsWEST- 2010, BiOS, Proceedings of SPIE Volume: 7563, ISBN: 9780819479594.	0.320	
136. Koev, K., Avramov, L., Borisova, E., He-Ne low level laser therapeutic applications for treatment of corneal trauma, 2011, Proceedings of SPIE - The International Society for Optical Engineering 7747, art. no. 774711	0.355	
137. Bliznakova, I., Gurdev, L., Dreischuh, T., Vankov, O., Stoyanov, D., Avramov, L., A dual interpretation of experimental data concerning the propagation of laser light through tissue-like turbid media, 2011, Proceedings of SPIE - The International Society for Optical Engineering 7747, art. no. 774710	0.355	
138. Deleva, A.D., Avramov, L.A., Stoyanov, D.V., Laser remote sensing of tropospheric aerosols and clouds, 2011, Proceedings of SPIE - The International Society for Optical Engineering 7747, art. no. 77470Q	0.333	
139. Mantareva V., Angelov I., Stambolieva N., Kussovski V., Dimitrov R., Borisova E., Avramov L., Wohrle D., Immobilized metallophthalocyanines and fullerene C ₆₀ for inactivation of human pathogens, Proceedings of the 13th IPA 2011, 2012, p.115-120.		

140. Mantareva, V., Kril, A., Angelov, I., Dimitrov, R., Borisova, E., Avramov, L., Effects of the position of galactose units to Zn(II) phthalocyanine on the uptake and photodynamic activity towards breast cancer cells, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, Volume 8427, 2012, Article number 842743, Biophotonics: Photonic Solutions for Better Health Care III; Brussels; Code90044	0.310	
141. Kussovski, V., Mantareva, V., Angelov, I., Avramov, L., Popova, E., Dimitrov, S, Al(III), Pd(II) and Zn(II) phthalocyanines for inactivation of dental pathogen Aggregatibacter actinomycetemcomitans as planktonic and biofilm-cultures, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, Volume 8427, 2012, Article number 84273X, Biophotonics: Photonic Solutions for Better Health Care III; Brussels; Code90044	0.310	
142. Borisova, E., Plamenova, L., Keremedchiev, M., Vladimirov, B., Avramov, L., Endogenous and exogenous fluorescence of gastrointestinal tumors-initial clinical observations, Proceedings of SPIE - The International Society for Optical Engineering 8770 , art. no. 87701C, 2013	0.310	
143. E. Borisova, E. Pavlova, P. Troyanova, L. Avramov, "Optical Biopsy of Cutaneous Tumours", Proc. CLSM, CLSM6-2, pp.42-43, (2012).		
144. E. Borisova, T. Uzunov, L. Avramov, "Laser-Induced Breakdown Spectroscopy of Dental Lesions - Tool for Real Time Optical Feedback During Laser Ablation of Caries", Proc. CLSM, CLSM7p-3, pp.48-49, (2012).		
145. E. Alipieva et al. Coherent populationtrapping for magnetic field measurement, Proceedings of SPIE - The International Society for Optical Engineering Volume 5883, 2005, Article number 91291O		
146. Mantareva, V., Kril, A., Angelov, I., Avramov, L., Specific light exposure of galactosylated Zn(II) phthalocyanines for selective PDT effects on breast cancer cells, Proceedings of SPIE - The International Society for Optical Engineering 8770 , art. no. 877015, 2013	0.203	
147. Angelova, L., Borisova, E., Zhelyazkova, Al., Keremedchiev, M., Vladimirov, B., Avramov, L., Fluorescence spectroscopy of gastrointestinal tumors - in vitro studies and in vivo clinical applications, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, Volume 9032, 2013, Article number 903209	0.203	
148. Л. Аврамов, Лаборатория "Биофотоника" към Института по електроника, Journal of BAS, Vol.6, 2013, p.119-126		
149. Borisova, E., Pavlova, E., Kundurjiev, T., Troyanova, P., Genova, T., Avramov, L., Light-induced autofluorescence and diffuse reflectance spectroscopy in clinical diagnosis of skin cancer, Proceedings of SPIE - The International Society for Optical Engineering Volume 9129, 2014, Article number 91291O	0.203	
150. Borisova, E., Angelova, L., Jeliaskova, A., Genova, T., Pavlova, E., Troyanova, P., Avramov, L., Polarization effects in cutaneous autofluorescent spectra, Proceedings of SPIE - The International	0.203	

Society for Optical Engineering, Volume 9129, 2014, Article number 91292G		
151. E. Borisova ; Al. Jeliaskova ; E. Pavlova ; P. Troyanova ; T. Kundurdjiev ; P. Pavlova ; L. Avramov, Reflectance spectroscopy of pigmented cutaneous benign and malignant lesions Proc. SPIE 9421, Eighth International Conference on Advanced Optical Materials and Devices (AOMD-8), 94210I (October 22, 2014); doi:10.1117/12.2082632	0.203	