

Journal publications of the academic staff of the Medical Instruments Technology Department of TEI Athens at 2010

Publication	Impact Factor 2009
1 Stamatia Tzanopoulou, Marina Sagnou, Maria Paravatou-Petsotas, Eleni Gourni, George Loudos , Stavros Xanthopoulos, Daniel Lafkas, Hippokratis Kiaris, Alexandra Varvarigou, Ioannis C. Pirmettis, Minas Papadopoulos, Maria Pelecanou <i>Evaluation of Re and 99mTc complexes of 2-(4-aminophenyl)benzothiazole as breast cancer radiopharmaceuticals</i> Journal of Medicinal Chemistry 53 , 4633-41 (2010)	4.802
2 G.E.Polychronaki ¹ , P.Y.Ktonas, S.Gatzonis, A.Siatouni, P.A.Asvestas , H.Tsekou, D.Sakas and K.S.Nikita, <i>Comparison of fractal dimension estimation algorithms towards epileptic seizure onset detection</i> , Journal of Neural Engineering , 7 , 46007, (2010)	3.739
3 C. M. Michail, G. P. Fountos , P. F. Liaparinos, N. E. Kalyvas , I. Valais and I. S. Kandarakis , G. S. Panayiotakis <i>Light emission efficiency and imaging performance of Gd₂O₂S:Eu powder scintillator under X-ray Radiography conditions</i> Medical Physics 37 , 3694-3703 (2010)	2.704
4 George C. Kagadis, George Loudos , Konstantinos Katsanos, Steve G. Langer, George C. Nikiforidis <i>In vivo small animal imaging: current status and future prospects</i> Medical Physics 37 , 6421-42 (2010)	2.704
5 Stellas D., El Hamidieh A. and Patsavoudi E. <i>Monoclonal antibody 4C5 prevents activation of MMP2 and MMP9 by disrupting their interaction with extracellular HSP90 and inhibits formation of metastatic breast cancer cell deposits.</i> BMC Cell Biology 11 , 51-60 (2010)	2.654
6 K.. Delibasis, P. A. Asvestas , and G. K. Matsopoulos <i>Multimodal Genetic Algorithms – Based Algorithm for Automatic Point Correspondence</i> Pattern Recognition 43 , 4011–4027 (2010)	2.554
7 I.S.Karanasiou, C.Papageorgiou, E.I.Tsianaka, M.Kyprianou, G.Matsopoulos, E.Ventouras and N.Uzunoglu <i>Mismatch Task Conditions and Error Related ERPs</i> Behavioral and Brain Functions 6 , 14, (2010)	2.336

8	E. Ventouras , D. Triantis, P. Tsiakas, Ch. Stergiopoulos, <i>Comparison of examination methods based on multiple-choice questions and constructed-response questions using personal computers</i> , Computers & Education , 54 , 455-451 (2010)	2.059
9	B. Spyropoulos , A. Tzavaras, M. Botsivaly, K. Koutsourakis, <i>Ensuring the Continuity of Care of Cardio-respiratory Diseases at Home: Monitoring Equipment and Medical Data Exchange over Semantically annotated Web Services</i> Methods of Information in Medicine 49 , 156-160 (2010)	1.690
10	I. G. Valais , C. M. Michail, S. L. David, P. F. Liaparinos, G. P. Fountos , T. V. Paschalis, I. S. Kandarakis and G. S. Panayiotakis <i>Comparative Investigation of Ce³⁺ doped Scintillators in a wide Range of Photon Energies covering X-ray CT, Nuclear Medicine and Megavoltage Radiation Therapy Portal Imaging applications</i> IEEE Transactions on Nuclear Science 57 , 951-957 (2010)	1.591
11	S. L. David, C. M. Michail, M. Roussou, E. Nirgianaki, A. E. Toutountzis, I. G. Valais , G. Fountos , P. F. Liaparinos, I. Kandarakis , G. Panayiotakis <i>Evaluation of the luminescence efficiency of YAG:Ce powder scintillating screens for use in digital mammography detector</i> IEEE Transactions on Nuclear Science 57 , 951-957 (2010)	1.591
12	Ninos K., Cavouras D. , Fountos G. , Kandarakis I. , <i>The effect of scintillator response on signal difference to noise ratio in X-ray medical imaging</i> , Nuclear Instruments and Methods in Physics Research, Section A , 622 , 246-255 (2010)	1.317
13	George Loudos , Panagiotis Papadimitroulas, Panteleimon Zotos, Ioannis Tsougos, Panagiotis Georgoulas <i>Development and evaluation of QSPECT open-source software for the iterative reconstruction of SPECT images</i> Nuclear Medicine Communications 31 , 558-566 (2010)	1.315
14	K. Bliznakova, R. Speller, J. Horrocks, P. Liaparinos , Z. Kolitsi, N. Pallikarakis <i>Experimental validation of a radiographic simulation code using breast phantom for x-ray imaging</i> Computers in Biology and Medicine 40 , 208-214 (2010)	1.269
15	Bougioukos P., Glotsos D. , Cavouras D. , Daskalakis A., Kalatzis I. , Kostopoulos S., Nikiforidis G., Bezerianos A., <i>An intensity-region driven multiclassifier scheme for the identification of potential biomarkers to distinguish cancerous from normal ovarian proteomic MS-spectra</i> , Computer Methods and Programs in Biomedicine , 99 , 117-128 (2010)	1.144
16	Glotsos D. , Kalatzis I. , Theocharakis P., Georgiadis P., Daskalakis A., Ninos K., Zoumboulis P., Filippidou A., Cavouras D. <i>A multi-classifier system for the characterization of normal, infectious, and cancerous prostate tissues employing transrectal ultrasound images</i> Computer Methods and Programs in Biomedicine 97 , 53-61 (2010)	1.144

17	T. L. Economopoulos, P. A. Asvestas , and G. K. Matsopoulos <i>Automatic Correspondence on Medical Images: A Comparative Study of Four Methods for Allocating Corresponding Points</i> , Journal of Digital Imaging 23 , 399-421 (2010)	0.956
18	Ninos K., Kostopoulos S., Glotsos D. , Georgiadis P., Sidiropoulos K., Dimitropoulos N., Kalatzis I. , Cavouras D. , <i>Development and evaluation of a PDA-based teleradiology terminal in thyroid nodule diagnosis</i> , Journal of Telemedicine and Telecare , 16 , 232-236 (2010)	0.921
19	Bougioukos P., Glotsos D. , Kostopoulos S., Daskalakis A., Kalatzis I. , Dimitropoulos N., Nikiforidis G., Cavouras D. <i>Fuzzy C-means-driven FHCE contextual segmentation method for mammographic microcalcification detection</i> , Imaging Science Journal 58 , 146-154 (2010)	0.161
20	Land WH, Margolis D, Kallergji M , and Heine JJ. <i>A kernel approach for ensemble decision combinations with two-view mammography applications</i> , International Journal of Functional Informatics and Personalised Medicine 3 , 157-182 (2010)	
21	M. Rasouli, A. Takavar, M.R. Ay, S. Saber and G. Loudos , <i>Effects of Crystal Pixel Size and Collimator Geometry on the Performance of Pixelated Crystal Gamma Camera by Using Monte Carlo Simulation</i> , The Journal of Nuclear Medicine Technology 38 , 199-204 (2010)	
22	E.Ventouras , P.Ktonas, H.Tsekou, T.Paparrigopoulos, I. Kalatzis and C.R.Soldatos, <i>Independent Component Analysis for Source Localization of EEG Sleep Spindle Components</i> , Computational Intelligence and Neuroscience , Article ID 329436, 12 pages (2010)	
Average impact factor over all publications		1.929
Sum of impact factors of all publications		36.651
Not TEI Athens affiliation		
23	T. L. Economopoulos, P. A. Asvestas , and G. K. Matsopoulos <i>Contrast enhancement of images using Partitioned Iterated Function Systems</i> Image and Vision Computing 28 , 45–54 (2010)	1.474
24	A.N. Kastania, G. Loudos , N.P. Sgouros, I. Constantinou, M. Vavatsioula, H. Boudoulas, S.Kossida <i>e-Herophilus: 24-hour personalised telecardiology services</i> International Journal of Electronic Healthcare 5 , 340-354 (2010)	