

## PUBLICATIONS

### BOOKS or BOOK CHAPTERS

1. N. E. Protonotarios, **G. A. Kastis** and A. S. Fokas, “A New Approach for the Inversion of the Attenuated Radon Transform,” chapter in *Mathematical Analysis and Applications*, eds T.M. Rassias and P.M. Pardalos, Springer, pp. 433-457, 2019.
2. A. S. Fokas and **G. A. Kastis**, “Mathematical Methods in PET and SPECT Imaging” chapter in *Handbook of Mathematical Methods of Imaging*, Springer, pp. 903-936, 2015.  
**Non-self Book Citations: 282 (Google Scholar)**
3. **G. A. Kastis**, “Multi-Modality Imaging of Small-Animals”, Ph. D. Thesis, UMI Press, Michigan, USA, 2002.

### PEER-REVIEWED JOURNALS (21)

1. C. E. Giannakopoulou, A. Sotiriou, M. Dettoraki, M. Yang, F. Perlikos, D. Toumpanakis, G. Prezerakos, I. Koutsourelakis, **G. A. Kastis**, V. Vassilakopoulou, E. Mizi, J. J. Greer, T. Vassilakopoulos, “Interleukin-10 affects the control of breathing,” *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 2018. (doi: 10.1152/ajpregu.00065.2019)  
**IF: 3.334**
2. N. E. Protonotarios, A. S. Fokas, K. Kostarellos, **G. A. Kastis**, “The attenuated spline reconstruction technique for single photon emission computed tomography,” *Journal of the Royal Society Interface*, vol. 15, 20180509, 2018 (doi: 10.1098/rsif.2018.05092018).  
**IF: 3.224 Non-self Citations: 2**
3. C. Tsoukalas, D. Psimadas, **G. A. Kastis**, V. Koutoulides, A. L. Harris, M. Paravatou-Petsotas, M. Karageorgou, L. R. Furenlid, L. A. Mouloupoulos, D. Stamopoulos, P. Bouziotis, “A novel metal-based imaging probe for targeted dual-modality SPECT/MR imaging of angiogenesis,” *Frontiers in Chemistry*, vol. 6, pp. 224, 2018. (doi: 10.3389/fchem.2018.00224)  
**IF: 3.782 Non-self Citations: 3**
4. M. Papachristou, **G. A. Kastis**, P. Z. Stavrou, S. Xanthopoulos, L. R. Furenlid, I. E. Datsaris and P. Bouziotis, “Radiolabelled Methotrexate as a diagnostic agent of inflammatory target sites in patients with rheumatoid arthritis,” *Molecular Medicine Reports*, vol 17, pp. 2442-2448, 2018. (doi:10.3892/mmr.2017.8166)  
**IF: 1.851 Non-self Citations: 1**
5. N. E. Protonotarios, G. M. Spyrou and **G. A. Kastis**, “Automatic contour determination of multi-object nuclear medicine images”, *Computers in Biology and Medicine*, vol 85, pp. 43-52, 2017. (doi: 10.1016/j.combiomed.2017.04.010)  
**IF: 2.286 Non-self Citations: 1**
6. A. Gaitanis, **G. A. Kastis**, E. Vlastou, P. Bouziotis, P. Verginis and C. D. Anagnostopoulos, “Investigation of image reconstruction parameters of the Mediso NanoScan PC small-animal PET/CT scanner for two different positron emitters under NEMA NU 4-2008 standards”, *Molecular Imaging and Biology*, vol 19 (4), pp. 550-559, 2017. (doi: 10.1007/s11307-016-1035-9).  
**IF: 3.341 Non-self Citations: 2**
7. **G. A. Kastis**, A. Gaitanis, A. P. Samartzis, A. S. Fokas, “The SRT reconstruction algorithm for semiquantification in PET imaging,” *Medical Physics*, vol. 42, no. 10, 5970–5982. doi: 10.1118/1.4931409, Oct 2015.  
**IF: 3.177 Non-self Citations: 1**
8. **G. A. Kastis**, D. Kyriakopoulou, A. Gaitanis, Y. Fernandez, B. F. Hutton, A. S. Fokas, “Evaluation of the Spline Reconstruction Technique for PET,” *Medical Physics*, vol. 41, no 4, Art. no 042501, 2014.  
**IF: 3.177 Non-self Citations: 1**
9. **G. A. Kastis**, D. Toumpanakis, K. Loverdos, A. Anaplioti, A. Samartzis, P. Argyriou, G. Loudos, V. Karavana, V. Tzouda, I. Datsaris, D. Rontogianni, C. Roussos, S. E. Theocharis, T. Vassilakopoulos, “Dose- and time-dependent effects of lipopolysaccharide on technetium-99m-labeled diethylene-triamine pentaacetic acid clearance, respiratory system mechanics and pulmonary inflammation,” *Experimental Biology and Medicine*, vol. 238, pp 209–222, 2013.

**IF: 3.005**                      **Non-self Citations: 1**

10. D. Toumpanakis, **G. A. Kastis**, P. Zacharatos, I. Sigala, T. Michailidou, M. Kouvela, C. Glynos, M. Divangahi, C. Roussos, S. E. Theocharis, T. Vassilakopoulos, "Inspiratory Resistive Breathing Induces Acute Lung Injury," *American Journal of Respiratory and Critical Care Medicine*, vol. 182, pp 1129–1136, 2010.

**IF: 16.494**                      **Non-self Citations: 32**

11. Z. Liu, G. D. Stevenson, H. H. Barrett, **G. A. Kastis**, M. Bettan, L. R. Furenlid, D. W. Wilson and J. M. Woolfenden, "Imaging Recognition of Inhibition of Multidrug Resistance in Human Breast Cancer Xenografts Using <sup>99m</sup>Tc-labeled Sestamibi and Tetrofosmin," *Nuclear Medicine and Biology*, vol. 32, no. 6, pp. 573–583, Aug. 2005.

**IF: 2.492**                      **Non-self Citations: 22**

12. Z Liu, H. H. Barrett, G. D. Stevenson, **G. A. Kastis**, M. Bettan, L. R. Furenlid, D. W. Wilson, and K. Y. Pak, "High-Resolution Imaging with <sup>99m</sup>Tc-Glucarate for Assessing Myocardial Injury in Rat Heart Models Exposed to Different Durations of Ischemia with Reperfusion," *Journal of Nuclear Medicine*, vol. 45, no. 7, pp. 1251–1259, Jul. 2004.

**IF: 7.354**                      **Non-self Citations: 25**

13. Z. Liu, G. D. Stevenson, H. H. Barrett, **G. A. Kastis**, M Bettan, L. R. Furenlid, D. W. Wilson, J. M. Woolfenden and K.Y. Pak, "<sup>99m</sup>Tc-Glucarate High-Resolution Imaging of Drug-Sensitive and Drug-Resistant Human Breast Cancer Xenografts in SCID Mice," *Nuclear Medicine Communications*, vol. 25, no. 7, pp. 711–720, Jul. 2004.

**IF: 1.465**                      **Non-self Citations: 28**

14. **G. A. Kastis**, L. R. Furenlid, D. W. Wilson, T. E. Peterson, H. B. Barber, and H. H. Barrett, "Compact CT/SPECT Small-Animal Imaging System," *IEEE Transactions on Nuclear Sciences*, vol. 51, no. 1, pp. 63–67, Feb. 2004.

**IF: 1.428**                      **Non-self Citations: 84**

15. Z. Liu, G. D. Stevenson, H. H. Barrett, **G. A. Kastis**, M. Bettan, L. R. Furenlid, D. W. Wilson, and J. M. Woolfenden, "Imaging Recognition of Multidrug Resistance in Human Breast Tumors Using <sup>99m</sup>Tc-Labeled Monocationic Agents and a High-Resolution Stationary SPECT System," *Nuclear Medicine and Biology*, vol. 31, no. 1, pp. 53–65, Jan. 2004.

**IF: 2.492**                      **Non-self Citations: 26**

16. Z. Liu, **G. A. Kastis**, G. Stevenson, H. H. Barrett, L. R. Furenlid, M. A. Kupinski, D. Patton, and D. W. Wilson, "Quantitative Analysis of Acute Myocardial Infarct in Rat Hearts with Ischemia-Reperfusion Using a High-Resolution Stationary SPECT System," *Journal of Nuclear Medicine*, vol. 43, no. 7, pp. 933–939, Jul. 2002. *The Journal of Nuclear Medicine's 2<sup>nd</sup> Place Award for Basic Science Investigations.*

**IF: 7.354**                      **Non-self Citations: 132**

17. J. W. Hoppin, M. A. Kupinski, **G. A. Kastis**, E. Clarkson, and H. H. Barrett, "Objective Comparison of Quantitative Imaging Modalities Without the Use of a Gold Standard," *IEEE Transactions on Medical Imaging*, vol. 21, no. 5, pp. 441–449, May 2002.

**IF: 7.816**                      **Non-self Citations: 39**

18. M. A. Kupinski, J. W. Hoppin, E. Clarkson, H. H. Barrett, and **G. A Kastis**, "Estimation in Medical Imaging without a Gold Standard," *Academic Radiology*, vol. 9, no. 3, pp. 290–297, Mar. 2002.

**IF: 2.267**                      **Non-self Citations: 28**

19. **G. A. Kastis**, M. C. Wu, S. J. Balzer, D. W. Wilson, L. Furenlid, G. Stevenson, H. H. Barrett, H. B. Barber, J. M. Woolfenden, P. Kelly, and M. Appleby, "Tomographic Small-Animal Imaging Using a High-Resolution Semiconductor Camera," *IEEE Transactions on Nuclear Sciences*, vol. 49, no. 1, part 1, pp. 172–175, Feb. 2002.

**IF: 1.428**                      **Non-self Citations: 43**

20. **G. A. Kastis**, H. B. Barber, H. H. Barrett, S. J. Balzer, D. Lu, D. G. Marks, G. Stevenson, J. M. Woolfenden, M. Appleby, and J. Tueller, "Gamma-Ray Imaging Using a CdZnTe Pixel Array and a High-Resolution Parallel-Hole Collimator," *IEEE Transactions on Nuclear Sciences*, vol. 47, no. 6, pp. 1923–1927, Dec. 2000.

**IF: 1.428**                      **Non-self Citations: 34**

21. T. Juhasz, **G. A. Kastis**, C. Suarez, Z. Bor, and W. E. Bron, "Time-Resolved Observations of Shock Waves and Cavitation Bubbles Generated by Femtosecond Laser Pulses in Corneal Tissue and Water," *Lasers in Surgery and Medicine*, vol. 19, no. 1, pp. 23–31, 1996.

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**Non-self Citations: 209**

#### **FULL-PAPER CONFERENCE PROCEEDINGS (15)**

1. N. E. Protonotarios, A. Charalambopoulos, **G. A. Kastis**, **Krzysztof Kacperski** and A. S. Fokas, "A spline approach to parallel-hole collimator deblurring for aSRT-reconstructed SPECT images," *The 19<sup>th</sup> IEEE International Conference on Bioinformatics and Bioengineering, BIBE 2019*, Oct 28–30, 2019, Athens, Greece.
2. N. E. Protonotarios, A. S. Fokas, A. Gaitanis and **G. A. Kastis**, "aSRT: a new analytic reconstruction algorithm for SPECT", *Conference Record of the 2016 IEEE Nuclear Science Symposium and Medical Imaging Conference*, 29 Oct. –6 Nov. 2016, Strasbourg, France, pp. 1-6 (doi: 10.1109/NSSMIC.2016.8069451)
3. N. E. Protonotarios, G. M. Spyrou and **G. A. Kastis**, "Cumulative sums for edge determination of a single object in PET and SPECT images", *Journal of Physics: Conference Series 738(1)*, 012010, 2016. (*5th International Conference on Mathematical Modeling in Physical Sciences 2016*, Athens, Greece)
4. A. S. Fokas and **G. A. Kastis**, "Boundary value problems and medical imaging," *Journal of Physics: Conference Series 490*, 012017, 2014. (*2nd International Conference on Mathematical Modeling in Physical Sciences 2013*, Prague, Czech Republic)
5. **G. A. Kastis**, D. Kyriakopoulou, A. S. Fokas, "An Analytic Reconstruction Method for PET Based on Cubic Splines," *Journal of Physics: Conference Series 490*, 012128, 2014. (*2nd International Conference on Mathematical Modeling in Physical Sciences 2013*, Prague, Czech Republic).
6. **G. A. Kastis**, A. Gaitanis, T. Skouras, A. S. Fokas, "Evaluation of a Spline Reconstruction Technique for SPECT: Comparison with FBP and OSEM," *Conference Record of the 2011 IEEE Nuclear Science Symposium and Medical Imaging Conference*, 23–29 Oct. 2011, Valencia, Spain.

**Non-self Citations: 1**

7. **G. A. Kastis**, A. Gaitanis, Y. Fernandez, G. Kontaxakis, A. S. Fokas, "Evaluation of a Spline Reconstruction Technique: Comparison with FBP, MLEM and OSEM," *Conference Record of the 2010 IEEE Nuclear Science Symposium and Medical Imaging Conference*, 30 Oct–6 Nov. 2010, Knoxville, TN, USA.

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8. Barbano P. E., Fokas A. S., **Kastis G. A.**, "Analytical Reconstructions for PET and SPECT Employing  $L^1$ -Denoising," *DSP 2009, Proceedings of the 16<sup>th</sup> International Conference on Digital Signal Processing*, 5–7 July, 2009, Santorini, Greece, pp 1301–1305.

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9. J. W. Hoppin, M. A. Kupinski, D. W. Wilson, T. E. Peterson, B. Gershman, **G. Kastis**, E. Clarkson, L. Furenlid, H. H. Barrett, "Evaluating Estimation Techniques in Medical Imaging Without a Gold Standard: Experimental Validation", *Proceedings of SPIE, vol. 5034, Medical Imaging 2003: Image Perception, Observer Performance, and Technology Assessment*, D. P. Chakraborty and E.A. Krupinski, eds., May 2003, The International Society for Optical Engineering (SPIE), Bellingham, USA. *Best Student Paper Award Cum Laude*

**Non-self Citations: 5**

10. **G. A. Kastis**, L. R. Furenlid, D. W. Wilson, T. E. Peterson, H. B. Barber, H. H. Barrett, "Compact CT/SPECT Small-Animal Imaging System" *Conference Record of the 2002 IEEE Nuclear Science Symposium and Medical Imaging Conference*, 10–16 Nov. 2002, Norfolk, VA, USA.

**Non-self Citations: 11**

11. J. W. Hoppin, M. A. Kupinski, **G. A. Kastis**, E. Clarkson, H. H. Barrett, "Objective Comparison of Quantitative Imaging Modalities Without the Use of a Gold Standard", *Information Processing in Medical Imaging, 17<sup>th</sup> International Conference, IPMI 2001, Lecture Notes in Computer Science*, vol. 2082, M. F. Insana and R. M. Leahy, eds., 2001, Springer, New York, USA.

**Non-self Citations: 3**

12. **G. A. Kastis**, M. C. Wu, S. J. Balzer, D. W. Wilson, L. Furenlid, G. Stevenson, H. H. Barrett, H. B. Barber, J. M. Woolfenden, P. Kelly, M. Appleby, “Tomographic Small-Animal Imaging Using a High-Resolution Semiconductor Camera”, *Conference Record of the 2000 IEEE Nuclear Science Symposium and Medical Imaging Conference*, vol. 3, Oct. 2000, Institute of Electrical and Electronics Engineers (IEEE), New York, USA.

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13. M. C. Wu, **G. A. Kastis**, S. J. Balzer, D. W. Wilson, H. B. Barber, H. H. Barrett, M. W. Dae, B. H. Hasegawa, “High-Resolution SPECT With CdZnTe Detector Array and a Scintillation Camera”, *Conference Record of the 2000 IEEE Nuclear Science Symposium and Medical Imaging Conference*, vol. 3, Oct. 2000, Institute of Electrical and Electronics Engineers (IEEE), New York, USA.

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14. **G. A. Kastis**, H. B. Barber, H. H. Barrett, S. J. Balzer, D. Lu, D. G. Marks, G. Stevenson, J. M. Woolfenden, M. Appleby, J. Tueller, “Gamma-Ray Imaging Using a CdZnTe Pixel Array and a High-Resolution Parallel-Hole Collimator”, *Conference Record of the 1999 IEEE Nuclear Science Symposium and Medical Imaging Conference*, vol. 1, Oct. 1999, Institute of Electrical and Electronics Engineers (IEEE), New York, USA.

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15. T. Juhasz, **G. Kastis**, C. G. Suarez, L. Turi, Z. Bor, W. E. Bron, “Shock Wave and Cavitation Bubble Dynamics During Photodisruption in Ocular Media and Their Dependence on the Pulses Duration”, *Proceedings of SPIE, vol. 2681, Laser Tissue Interaction VII*, S.L. Jacques, ed., May 1996, The International Society for Optical Engineering (SPIE), Bellingham, USA.

**Non-self Citations: 13**

#### **ORAL OR POSTER CONFERENCE PRESENTATIONS (ABSTRACTS) (50)**

1. M. Papachristou, P. Bouziotis, **G. A. Kastis**, I. Datseris, “Επισημασμένη Μεθοτρεξάτη με  $^{99m}\text{Tc}$  ως ιχνηθέτης φλεγμονών σε ασθενείς με ρευματοειδή αρθρίτιδα – Προκλινικά αποτελέσματα,” 44ο Ετήσιο Πανελλήνιο Ιατρικό Συνέδριο, Αθήνα, Ελλάδα, 9-12 Μαΐου, 2018.
2. A. Gkolfinopoulou, **G. A. Kastis**, A. Gaitanis, “Towards a Standardization Method for Textural Analysis in Preclinical FDG PET images”, BIOMEPE 2017 - Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences, Athens, Greece, Oct 12-13, 2017.
3. N. E. Protonotarios, G. M. Spyrou, **G. A. Kastis**, “Cumulative Sums for Masking in Nuclear Medicine Image Reconstruction”, BIOMEPE 2017 - Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences, Athens, Greece, Oct 12-13, 2017.
4. A. Vrachliotis, **G. A. Kastis**, A. Gaitanis, L. Costaridou, “Evaluation of the Spline Reconstruction Technique under the NEMA NU 4-2008 Standards”, BIOMEPE 2017 - Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences, Athens, Greece, Oct 12-13, 2017.
5. N. E. Protonotarios, A. S. Fokas, and **G. A. Kastis**, “Attenuated spline reconstruction technique for SPECT/CT”, 9<sup>th</sup> Conference of the Eastern Mediterranean Region and the Italian Region of the International Biometric Society EMR-IBS, Thessaloniki, May 8–12, 2017.
6. A. Samartzis, G. Fountos, **G. A. Kastis**, E. Kounadi, I. Datseris, I. Kandarakis and G. Nikiforidis, “Towards task-based assessment of PET performance: System and object DQE across different reconstruction algorithms”, *Physica Medica: European Journal of Medical Physics*, vol 32, pp. 319, 2016, 1st European Congress of Medical Physics - ECMP 2016, Athens, Greece, September 1–4, 2016.
7. N. E. Protonotarios, A. S. Fokas, A. Gaitanis and **G. A. Kastis**, “Inversion of the Attenuated Radon Transform Using Cubic Splines”, *Physica Medica: European Journal of Medical Physics*, vol 32, pp. 242 – 243, 2016, 1st European Congress of Medical Physics - ECMP 2016, Athens, Greece, September 1–4, 2016.

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8. M. Papachristou, P. Bouziotis, **G. A. Kastis**, S. Xanthopoulos, I. Datseris, “Methotrexate Labeling with  $^{99m}\text{Tc}$  Preclinical Studies”, 5<sup>th</sup> Balkan Congress & 13<sup>th</sup> National Congress of Nuclear Medicine, Thessaloniki, Greece, June 17–20, 2016. (Abstract Book)

9. N. E. Protonotarios, A. S. Fokas and **G. A. Kastis**, “Attenuated Radon transform inversion through piecewise polynomial interpolation of SPECT/CT data”, 5th *International Conference on Mathematical Modeling in Physical Sciences 2016*, Athens, Greece, May 23–26, 2016. (Abstract Book)
10. A. Gaitanis, E. Vlastou, P. Bouziotis, **G. Kastis**, C. D. Anagnostopoulos, “The effect of image reconstruction parameters in Mediso NanoScan PC PET/CT images obtained by two different positron emitting tracers under NEMA standards NU 4-2008,” *European Journal Of Nuclear Medicine And Molecular Imaging*, vol 42, Suppl. 1, pp S185–S186, Oct 2015, Annual Congress of the European Association of Nuclear Medicine EANM 2015, Hamburg, Germany, Oct 10–14, 2015.
11. M. Papachristou, P. Bouziotis, **G. Kastis**, S. Xanthopoulos and I. Datsaris, “Methotrexate labeling with  $^{99m}\text{Tc}$  – Preclinical studies” *European Journal Of Nuclear Medicine And Molecular Imaging*, vol 42, Suppl. 1, pp S495, Oct 2015, Annual Congress of the European Association of Nuclear Medicine EANM 2015, Hamburg, Germany, Oct 10–14, 2015.
12. A. S. Fokas, **G. A. Kastis** and N. E. Protonotarios, “Analytic reconstructions for PET, SPECT, MEG and EEG”, Applied Inverse Problems, Helsinki, Finland, May 25–29, 2015. (Abstract Book)
13. **George Kastis**, New analytical algorithms for PET and SPECT, *Physica Medica*, vol 30, Suppl 1, pp. e10, doi: <http://dx.doi.org/10.1016/j.ejmp.2014.07.041>, 2014. (invited talk)
14. **G. A. Kastis**, A. Gaitanis and A. S. Fokas, “Quantitative evaluation of SRT for PET imaging: Comparison with FBP and OSEM”, NumAn 2014 Recent Approaches to Numerical Analysis: Theory, Methods and Applications, Chania, Crete, Greece, September 2–5, 2014. (Abstract Book)
15. N. Kiza, C. Tsoukalas, T. Tsotakos, S. Xanthopoulos, M. Paravatou-Petsotas, **G. Kastis**, P. Bouziotis, “Imaging of VEGF expression with  $^{99m}\text{Tc(I)}$  and  $^{99m}\text{Tc(V)}$  bevacizumab conjugates”, 2nd International Symposium on Technetium and other Radiometals in Chemistry and Medicine, Bressanone (Bolzano) – Italy September 10–13, 2014, *Nuclear Medicine and Biology*, vol. 41, Issue 7, p. 622, 2014.
16. M. Papachristou, P. Bouziotis, **G. Kastis**, S. Xanthopoulos and I. Datsaris, “Επισήμανση μεθοτρεξάτης με  $^{99m}\text{Tc}$  – Προκλινικά αποτελέσματα,” 12<sup>th</sup> Panhellenic Conference on Nuclear Medicine, Ioannina, Greece, May 30–June 1, 2014. (Abstract Book)
17. P. Bouziotis, E. Gourni, N. Kyza, **G. A. Kastis**, T. Tsotakos, S. Xanthopoulos, L. R. Furenlid, M. Paravatou, C. Tsoukalas, D. Stamopoulos, “Iron Oxide Nanoparticles conjugated with an anti-VEGF monoclonal antibody for targeted dual-modality molecular imaging of angiogenesis,” 8<sup>th</sup> *European Molecular Imaging Meeting - the EMIM 2013*, Torino, Italy, May 26–28, 2013.
18. **G. A. Kastis**, A. Samartzis, A. S. Fokas, “Comparison between Filtered Back-Projection and Spline and Chebyshev Reconstruction Techniques,” *European Journal Of Nuclear Medicine And Molecular Imaging*, vol 37, Suppl. 2, pp S221–S221, Oct 2010, Annual Congress of the European Association of Nuclear Medicine EANM 2010, Vienna, Austria, Oct 9–13, 2010.
19. A. Sotiriou, M. Dettoraki, Ch. E. Giannakopoulou, **G. A. Kastis**, D. Parthenis, C. Roussos, T. Vassilakopoulos, “Interleukin 6 Affects the Control of Breathing Before and After Application of Respiratory Load in Mice,” 14<sup>th</sup> *State-of-the-Art Interdisciplinary Review Course on Pulmonary Diseases, Critical Care, Emergency Medicine & Nursing Care*, Athens, Greece, June 18–19, 2010. (Abstract Book)
20. A. Sotiriou, M. Dettoraki, H. E. Giannakopoulou, D. Parthenis, **G. A. Kastis**, C. Roussos, T. Vassilakopoulos, “Exogenous administration of interleukin-6 affects the control of breathing in respiratory loaded mice,” *European Respiratory Society ERS 2010 Annual Congress*, Barcelona, Spain, September 18–22, 2010. (Abstract Book)
21. D. Toumpanakis, I. Sigala, **G. A. Kastis**, M. Divangahi, P. Zacharatos, D. Parthenis, A. Makri, T. Michailidou, A. Anaplioti, C. Roussos, T. Vassilakopoulos, “Resistive Breathing Induces Acute Lung Injury”, *American Thoracic Society ATS 2008*, Toronto, Canada, May 16–21, 2008.
22. A. Sotiriou, M. Dettoraki, **G. Kastis**, I. Rentziou, G. Priona, C. Roussos, T. Vassilakopoulos, “Η Ιντερλευκίνη 6 Επιδρά στον Έλεγχο της Αναπνοής”, 16<sup>th</sup> Annual Panhellenic Congress on Chest Diseases, Athens, Greece, Dec 6–9, 2007. (Abstract Book)
23. D. Toumpanakis, **G. A. Kastis**, A. Anaplioti, I. Sigala, G. Loudos, A. Samartzis, P. Mavroxfalos, C. Roussos, T. Vassilakopoulos, “Η Εργώδης Αναπνοή Προκαλεί Πνευμονικό Οίδημα Υψηλής Διαπερατότητας”, 16<sup>th</sup> Annual Panhellenic Congress on Chest Diseases, Athens, Greece, Dec 6–9, 2007. (Abstract Book) (Best Poster)

24. A. Sotiriou, M. Dettoraki, **G. A. Kastis**, I. Rentziou, G. Priona, C. Roussos, T. Vassilakopoulos, "Interleukin-6 Affects the Control of Breathing", *European Respiratory Society ERS 2007 Annual Congress*, Stockholm, Sweden, September 15–19, 2007. (Abstract Book)
25. **G. A. Kastis**, D.G. Toumpanakis, A. Anaplioti, A. Samartzis, G Loudos, C. Roussos, T. Vassilakopoulos, "Inspiratory Resistive Loading Increases Lung Tc99m-DTPA Clearance in Rats", *11<sup>th</sup> State-of-the-Art Interdisciplinary Review Course on Pulmonary Diseases, Critical Care, Emergency Medicine & Nursing Care*, Athens, Greece, April 20–22, 2007. (Abstract Book)
26. A. Sotiriou, M. Dettoraki, **G. A. Kastis**, I. Rentziou, G. Priona, C. Roussos, T. Vassilakopoulos, "Interleukin-6 Affects the Control of Breathing", *11<sup>th</sup> State-of-the-Art Interdisciplinary Review Course on Pulmonary Diseases, Critical Care, Emergency Medicine & Nursing Care*, Athens, Greece, April 20–22, 2007. (Abstract Book)
27. D. S. Margolis, J. A. Szivek, Y. H. Lien, L. Lai, **G. A. Kastis**, H. H. Barrett, "Bone Remodeling in CAII deficient and Calbindin-D28k KO Mice", *Transactions of the 7<sup>th</sup> World Biomaterials Congress*, Sydney, Australia, May 17–21, 2004.
28. D. S. Margolis, D. Kim, L. Szivek, L. Lai, **G. Kastis**, Y. H. Lien, "Decreased Osteoblast Activity in Carbonic Anhydrase II Deficient Mice Causes Osteoporotic Bone", *Journal of Investigative Medicine*, vol. 52, no 1, pp. S80, January 2004, *Western Regional Meeting of the American Federation for Medical Research 2004*, Carmel, CA, January 28–31, 2004.
29. Z. Liu, G.D. Stevenson, H.H. Barrett, **G.A Kastis**, L.R. Furenlid, D.W. Wilson, "<sup>99m</sup>Tc-Glucarate Can Detect Breast Tumor with Multidrug Resistance: High-resolution SPECT Imaging Study in SCID Mice with Tumor Xenografts," *Molecular Imaging and Biology*, vol. 5, no. 3, pp. 159–160, Mar. 2003, *The 2003 International Conference of the Academy of Molecular Imaging*, Madrid, Spain, September 21–27, 2003.
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