

# Journal of Biomedical Optics

[SPIDigitalLibrary.org/jbo](http://SPIDigitalLibrary.org/jbo)

## **JBO Setting New Records**

Lihong V. Wang



**SPIE**



## JBO Setting New Records

2011 was another record year for JBO. The number of manuscript submissions reached nearly 750. The impact factor leaped to 3.188, with the 5-year combined impact factor at 3.659. The publication frequency changed to monthly starting in January. The manuscript review cycles have been shortened considerably without sacrificing quality of review. JBO is deeply indebted to the authors, reviewers, and editorial board members for their contributions to such marvelous achievements.

I thank the following guest editors for their tireless efforts in editing the following special sections:

1. Pioneers in Biomedical Optics: Michael Feld (January 2011) Guest editors: Ramachandra Dasari, Rebecca Richards-Kortum, and Andrew Berger<sup>1,2</sup>
2. Coherent Raman Imaging Techniques and Biomedical Applications (February 2011) Guest editors: Eric O. Potma, Ji-Xin Cheng, and X. Sunney Xie<sup>3</sup>
3. Photonics and Nanotechnology in Biophysics and Biomedical Research (May 2011) Guest editors: Bahman Anvari, Raoul Kopelman, and Luke P. Lee<sup>4</sup>
4. Hard-Tissue Optics and Related Methods (July 2011) Guest editors: Daniel Fried, Andreas Mandelis, and Michael Morris<sup>5</sup>

I appreciate the following authors' contributions of insightful review articles, which have been granted online open access by SPIE immediately upon publication:

1. P. Shumyatsky, and R. R. Alfano, "Terahertz sources."<sup>6</sup>
2. C. R. Sun, B. Standish, and V. X. D. Yang, "Optical coherence elastography: current status and future applications."<sup>7</sup>
3. J. Wu, and M. Gu, "Microfluidic sensing: state of the art fabrication and detection techniques."<sup>8</sup>
4. E. Sobol, A. Shekhter, A. Guller, O. Baum, and A. Baskov, "Laser-induced regeneration of cartilage."<sup>9</sup>

I also thank Barry Masters<sup>10</sup> and Bob Alfano<sup>11</sup> for reviewing two books. Their reviews are also freely available online.

The following authors are to be congratulated on earning the top 10 most cited papers among the JBO papers published in 2010, as of this writing (according to citations in

the Web of Science).<sup>12-21</sup> Top 10 papers published in 2011 will be calculated next year.

1. D. A. Boas and A. K. Dunn, "Laser speckle contrast imaging in biomedical optics"
2. S. Hu and L. V. Wang, "Photoacoustic imaging and characterization of the microvasculature"
3. Y. A. Zhang, J. Yu, D. J. S. Birch and Y. Chen, "Gold nanorods for fluorescence lifetime imaging in biology"
4. Z. W. Huang, M. S. Bergholt, W. Zheng, K. Lin, K. Y. Ho, M. Teh and K. G. Yeoh, "In vivo early diagnosis of gastric dysplasia using narrow-band image-guided Raman endoscopy"
5. D. M. de Bruin, R. H. Bremmer, V. M. Kodach, R. de Kinkelder, J. van Marle, T. G. van Leeuwen and D. J. Faber, "Optical phantoms of varying geometry based on thin building blocks with controlled optical properties"
6. S. Belanger, M. Abran, X. Intes, C. Casanova and F. Lesage, "Real-time diffuse optical tomography based on structured illumination"
7. A. Liemert and A. Kienle, "Light diffusion in N-layered turbid media: frequency and time domains"
8. C. H. Li, A. Aguirre, J. Gamelin, A. Maurudis, Q. Zhu and L. V. Wang, "Real-time photoacoustic tomography of cortical hemodynamics in small animals"
9. A. Mazhar, D. J. Cuccia, S. Gioux, A. J. Durkin, J. V. Frangioni and B. J. Tromberg, "Structured illumination enhances resolution and contrast in thick tissue fluorescence imaging"
10. N. T. Shaked, J. D. Finan, F. Guilak and A. Wax, "Quantitative phase microscopy of articular chondrocyte dynamics by wide-field digital interferometry"

I am especially grateful to the following top 10 reviewers, who reviewed the highest number of manuscripts in 2011:

1. Yu Chen, University of Maryland, USA
2. Igor Meglinski, University of Otago, New Zealand
3. Daniel Fried, University of California/San Francisco, USA
4. Gereon Huettmann, University of Lübeck, Germany
5. Yicong Wu, National Institutes of Health, USA
6. Yuansheng Sun, University of Virginia, USA
7. Chulhong Kim, University at Buffalo, SUNY, USA
8. Adam Wax, Duke University, USA
9. Alexey Bashkatov, Saratov State University, Russian Federation
10. Bradley Treeby, Australian National University, Australia

In addition to the original types of manuscripts, we have added technical notes, tutorials, outlooks, and opinions as new paper categories. See manuscript preparation instructions online at <http://spie.org/x1826.xml>.

I cannot overemphasize that all JBO Letters enjoy immediate open access without mandatory publication fees. Authors

are encouraged to take advantage of this generous offer from SPIE. If JBO Letters were considered separately, the impact factor would be 3.816 (excluding citations by proceedings), which is higher than those of most peer-reviewed journals.

As always, I welcome any suggestions for improving JBO and look forward to working with you.

**Lihong V. Wang**  
Editor-in-Chief

### References

1. R. Dasari, R. Richards-Kortum, and A. Berger, "Special section guest editorial: special section honoring professor Michael Feld," *J. Biomed. Opt.* **16**(1), 011001 (2011).
2. C. H. Holbrow, "Remembering Michael Stephen Feld: Physics and Biomedicine Pioneer (1940-2010)," *J. Biomed. Opt.* **16**(1), 011002 (2011).
3. E. O. Potma, J.-X. Cheng, and X. S. Xie, "Coherent Raman Imaging Techniques and Biomedical Applications," *J. Biomed. Opt.* **16**(2), 021101 (2011).
4. B. Anvari, R. Kopelman, and L. P. Lee, "Special section guest editorial: Photonics and nanotechnology in biophysics and biomedical research," *J. Biomed. Opt.* **16**(5), 051301 (2011).
5. D. Fried, A. Mandelis, and M. Morris, "Hard Tissue Optics and Related Methods," *J. Biomed. Opt.* **16**(7), 071401 (2011).
6. P. Shumyatsky and R. R. Alfano, "Terahertz sources," *J. Biomed. Opt.* **16**(3), 033001 (2011).
7. C. R. Sun, B. Standish, and V. X. D. Yang, "Optical coherence elastography: current status and future applications," *J. Biomed. Opt.* **16**(4), 043001 (2011).
8. J. Wu and M. Gu, "Microfluidic sensing: state of the art fabrication and detection techniques," *J. Biomed. Opt.* **16**(8), 080901 (2011).
9. E. Sobol, A. Shekhter, A. Guller, O. Baum, and A. Baskov, "Laser-induced regeneration of cartilage," *J. Biomed. Opt.* **16**(8), 080902 (2011).
10. B. R. Masters, "Imaging: a Laboratory Manual, by Rafael Yuste, Editor," *J. Biomed. Opt.* **16**(3), 039901 (2011).
11. R. R. Alfano, "Handbook of Biomedical Optics, by David A Boas, Constantinos Pitris, and Nimmi Ramanujam, Editors," *J. Biomed. Opt.* **16**(12), 129901 (2011).
12. D. A. Boas and A. K. Dunn, "Laser speckle contrast imaging in biomedical optics," *J. Biomed. Opt.* **15**(1), 011109 (2010).
13. S. Hu and L. V. Wang, "Photoacoustic imaging and characterization of the microvasculature," *J. Biomed. Opt.* **15**(1), 011101 (2010).
14. Y. A. Zhang, J. Yu, D. J. S. Birch, and Y. Chen, "Gold nanorods for fluorescence lifetime imaging in biology," *J. Biomed. Opt.* **15**(2), 020504 (2010).
15. Z. W. Huang, M. S. Bergholt, W. Zheng, K. Lin, K. Y. Ho, M. Teh, and K. G. Yeoh, "In vivo early diagnosis of gastric dysplasia using narrow-band image-guided Raman endoscopy," *J. Biomed. Opt.* **15**(3), 037017 (2010).
16. D. M. de Bruin, R. H. Bremmer, V. M. Kodach, R. de Kinkelder, J. van Marle, T. G. van Leeuwen, and D. J. Faber, "Optical phantoms of varying geometry based on thin building blocks with controlled optical properties," *J. Biomed. Opt.* **15**(2), 025001 (2010).
17. S. Belanger, M. Abran, X. Intes, C. Casanova, and F. Lesage, "Real-time diffuse optical tomography based on structured illumination," *J. Biomed. Opt.* **15**(1), 016006 (2010).
18. A. Liemert and A. Kienle, "Light diffusion in N-layered turbid media: frequency and time domains," *J. Biomed. Opt.* **15**(2), 025002 (2010).
19. C. H. Li, A. Aguirre, J. Gamelin, A. Maurudis, Q. Zhu, and L. V. Wang, "Real-time photoacoustic tomography of cortical hemodynamics in small animals," *J. Biomed. Opt.* **15**(1), 010509 (2010).
20. A. Mazhar, D. J. Cuccia, S. Gioux, A. J. Durkin, J. V. Frangioni, and B. J. Tromberg, "Structured illumination enhances resolution and contrast in thick tissue fluorescence imaging," *J. Biomed. Opt.* **15**(1), 010506 (2010).
21. N. T. Shaked, J. D. Finan, F. Guilak, and A. Wax, "Quantitative phase microscopy of articular chondrocyte dynamics by wide-field digital interferometry," *J. Biomed. Opt.* **15**(1), 010505 (2010).