共发表论文274篇，其中第一作者或学生第一作者而本人为第二作者的文章136篇，SCI检索255篇，多数发表在机械、应用物理、光学、化学物理领域、材料的国际著名期刊，例如，Optics Letters，Optics Express，Advanced Materials, Nano Letters, Crystal Growth & Design，Applied Physics Letters，Nanoscale, ASME Journal of Heat Transfer，International Journal of Heat and Mass Transfer，Journal of Chemical Physic, Carbon, Nanotechnology等。影响因子2以上183篇，影响因子3以上147篇，影响因子12以上27篇，封面文章3篇。在主流国际大会做主题/特邀报告60次，大会报告总数86次，申请专利83项（第一发明人74项），已授权专利25项（第一发明人24项）。截止到2018年2月28日，发表的SCI论文google总引5119次，H因子40。

**Journal publications:**

1. **L. Jiang**, A.D. Wang, B. Li, T.H. Cui, and Y.F. Lu, "Electrons Dynamics Control by Shaping Femtosecond Laser Pulses in Micro/Nanofabrication: Modeling, Method, Measurement and Application", ***Light:Science & Applications*,** 7(17134) (2018)**.** (SCI, EI, Impact Factor: 14.098)
2. **B**. Li, **L. Jiang**, X. Li, Z.H. Cheng, P. Ran, P. Zuo, L.T. Qu, J.T. Zhang, and Y.F. Lu, "Controllable Synthesis of Nanosized Amorphous MoSx Using Temporally Shaped Femtosecond Laser for Highly Efficient Electrochemical Hydrogen Production", ***Advanced Functional Materials*,** 29(18062291) (2019). (SCI, EI, Impact Factor: 13.325)
3. P. Zuo, **L. Jiang**, X. Li, P. Ran, B. Li, A.S. Song, M.Y. Tian, T.B. Ma, B.S. Guo, L.T. Qu, and Y.F. Lu, "Enhancing Charge Transfer with Foreign Molecules through Femtosecond Laser Induced MoS2 Defect Sites for Photoluminescence Control and SERS Enhancement", ***Nanoscale*,** 11(2), 485-494 (2019). (SCI, EI, Impact Factor: 7.233)
4. S.C. Wang, J. Hu, **L. Jiang**, X. Li, J. Cao, Q.S. Wang, A.D. Wang, X.J. Li, L.T. Qu, and Y.F. Lu, "High-Performance 3D CuO/Cu Flowers Supercapacitor Electrodes by Femtosecond Laser Enhanced Electrochemical Anodization", ***Electrochimica Acta***, 293, 273-282 (2019). (SCI, EI, Impact Factor:5.116)
5. K. Du, **L. Jiang**, X.W. Li, H. Zhang, A.D. Wang, Z.L. Yao, C.J. Pan, Z. Wang, M. Li, C.P. Grigoropoulos, and Y.F. Lu, "Chemical Etching Mechanisms and Crater Morphologies Pre-Irradiated by Temporally Decreasing Pulse Trains of Femtosecond Laser", ***Applied Surface Science***, 469, 44-49 (2019). (SCI, EI, Impact Factor:4.439)
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7. C. Yang, Y.X. Huang, H.H. Cheng, **L. Jiang**, and L.T. Qu, "Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators", ***Advanced Materials***, 31(18057052) (2019). (SCI, EI, Impact Factor: 21.950)
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[**备注**: 已接收文章未列入发表论文总数中]

**Accepted Paper:**

1. “Temporal-spatial measurement of electron relaxation time in femtosecond laser induced plasma using two-color pump-probe imaging technique”
2. “Femtosecond laser induced concentric semi-circular periodic surface structures on Silicon based on the quasi-plasmonic annular nanostructure”
3. “Ablation Enhancement of Metal in Ultrashort Double-Pulse Experiments”
4. P. Ran, L. Jiang, X. Li, P. Zuo, B. Li, X. J. Li, X. Y. Cheng, J. T. Zhang and Y. F. Lu, Redox shuttle enhances nonthermal femtosecond two-photon self-doping of rGO–TiO2−x photocatalysts under visible light，Journal of Materials Chemistry A, 2018. （SCI，EI，Impact Factor: 9.93）
5. Yao Z, Jiang L, Li X, et al. Non-diffraction-length, tunable, Bessel-like beams generation by spatially shaping a femtosecond laser beam for high-aspect-ratio micro-hole drilling[J]. Optics express, 2018, 26(17): 21960-21968.
6. S. C. Wang, J. Hu, L. Jiang, X. Li, J. Cao, Q. S. Wang, A. D. Wang, X. J. Lia, L. T. Qu, Y. F. Lu, “High–Performance 3D CuO/Cu Flowers Supercapacitor Electrodes by Femtosecond Laser Enhanced Electrochemical Anodization”, Electrochimica Acta. (SCI, EI, Impact Factor: 5.116)
7. B. Li, L. Jiang, X. Li, Z. Lin, L. Huang, A. Wang, W. Han, Z. Wang, Y. Lu, Flexible Gray-Scale Surface Patterning Through Spatiotemporal-Interference-Based Femtosecond Laser Shaping. Advanced Optical Materials, (2018). (SCI, EI, Impact Factor: 7.43)

[**备注**: 评审中的文章(不在统计之列)]

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2. X.X Su, **L. Jiang**, F. Wang, G.S. Su, L.T. Qu, and Y.F. Lu, “Electron dynamics and optical properties modulation of monolayer MoS2 by a few-cycle femtosecond laser pulse: a simulation using time-dependent density functional theory”, ***Applied Physics A***, (2017). (SCI, EI, Impact Factor:1.444)

**Invited/Keynote/Plenary Conference Talks and Invited Journal Review Papers:**

Keynote/ Plenary talk: [1]-[19]; Invited talk/ paper: [20]-[60]; Else: [61]-[86];

Keynote/ Plenary talk:

1. **姜澜，**“电子动态调控的超快激光微纳制造：模型、方法、观测及应用”，***第二届微米纳米技术应用创新大会***，2018 年5 月19日-21 日，中国西安，(plenary talk)
2. **姜澜，**“飞秒激光电子动态调控微纳制造”**，*第三十八届航天精密加工技术交流会***，2017 年11 月15 日-17 日，中国湖南长沙。(plenary talk)
3. **L. Jiang**, “Femtosecond Laser Micro/NanoFabrication Based on Electron Dynamics Control”, ***China Laser High-end Precision Processing Innovation Conference,*** Shenzhen, China, September 6-9, (2017). (plenary talk)
4. **L. Jiang**, “电子动态调控超快激光微纳制造：理论、实验、应用和检测”, ***Forum on Applications of Laser Manufacturing (FALM2017)***, Beijing, China, April 14-16, (2017). (plenary talk)
5. X.W. Li, **L. Jiang**, H. Zhang, S.M. Wang, Q.S. Wang, Z.T. Cao and Y.F. Lu, “Multiscale Measurement of Electron Dynamics in High-Speed High-Quality High-Aspect-Ratio Femtosecond Laser Drilling”, ***The 35th International Congress on Applications of Lasers and Electro-Optics (ICALEO 2016)***, San Diego, USA, October 16-20, (2016). (Sub-plenary talk)
6. **L. Jiang**, “Electron dynamics control in ultrafast laser micro/nano fabrication”, ***12th National Conference on Laser Processing (NCLP)***, Hunan, China, August 17-19, (2016). (Plenary talk)
7. **L. Jiang**, “Laser micro/nano fabrication based on electron dynamics control: model, experiment and application”, ***The 16th Non-Traditional Manufacturing Conference in China***, Xiamen, China, October 31-November 3, (2015). (Keynote talk)
8. **L. Jiang**, “Scientific frontiers and technical trends of laser-based manufacturing in China”, ***Xiangshan-Science Conference***, Beijing, China, September 17-18, (2015). (Keynote talk)
9. **L. Jiang**, “Strategic planning of advanced manufacturing of world major economies: an overview”, ***Summer Forum of China Securities Investment Fund Association 2015 (China Fortune Forum 2015)***, Qingdao, China, June 18, (2015). (Keynote talk)
10. **L. Jiang**, “Femtosecond laser micro/nano-fabrication”, ***Zigong Industry Forum***, Sichuan, China, June 25, (2015). (Two-Hour Keynote talk)
11. Y.F. Lu, Y.S. Zhou, W. Xiong, L.J. Jiang, X. Huang, J.F. Silvain, and **L. Jiang**, “Ultrafast lasers for material processing and imaging at miro/nanoscales”, ***Progress in Electromagnetics Research Symposium (PIERS)***, Guangzhou, China, August 25-28, (2014). (Keynote talk)
12. **L. Jiang**, H.L. Tsai, X. Li, and S.M. Wang, “Laser based micro/nano-fabrication: fundamentals and application”, ***Laser Based Micro/IDMME - Virtual Concept & CPEI Annual Conference***, Beijing, China, October 8-10, (2008). (Keynote talk)
13. H.L. Tsai and **L. Jiang**, “Fabrication of nano-structures using femtosecond lasers”, ***International Symposium on Thermal Science and Engineering***, Beijing, China, October 23–25, (2005). (Keynote speech and paper)
14. **L. Jiang**, Laser-based manufacturing in China: achievements and prospects, ***Laser Technology and Innovations Forum***, Wuhan, China, June 16-18, (2015). (Plenary talk)
15. **L. Jiang**, X.W. Li, X. Li, J. Hu, and Y.F. Lu, “Localized transient electrons dynamics control in femtosecond laser micro/nano fabrication”, ***10th International Laser Processing and Systems Conference***, Shanghai, China, March 17-18, (2015). (Plenary talk)
16. **L. Jiang**, X.W. Li, X. Li, and Y.F. Lu, “Shaped ultrafast laser pulse for micro/nanofabrication: from fundamentals to applications”, ***International Conference on Advanced Laser Technologies (ALT)***, Cassis, France, October 6-10, (2014). (Plenary talk)
17. **L. Jiang**, C. Wang, X.S. Shi, and D. Yu, “Electro n dynamics control by femtosecond laser pulse shaping in micro/nano fabrication”, ***International Society for Testing Materials(ISTM)***, Beijing, China, Jun 16-19, (2013). (Plenary talk)
18. Y.F. Lu, Y.S. Zhou, W. Xiong, J.B. Park, M. Qian, M. Mahjouri-Samani, Y. Gao, and **L. Jiang**, “Laser synthesis of carbon nanostructures”, ***20th International Conference on Advanced Laser Technologies (ALT 2012)***, Gwatt Zentrum, Thun, Switzerland, September 2-6, (2012). (Plenary talk)
19. J. Zhong and **L. Jiang**, “High energy density beam and nontraditional energy field manufacturing”, ***Manufacturing with Photons, Energetic Particles and Power Fields (MP3)***, Beijing, China, August 20-22, (2010). (Plenary talk)

Invited talk/ paper:

1. **L. Jiang**, “University-Industry Collaboration for Full-Cycle Multi-Level-Interaction Cross-Region Higher Education” , ***International Forum on Engineering Education Agenda***, Beijing, China, September 24-25, (2018). (Invited talk)
2. Q.S. Wang, J. Y. Sun, C.J. Pan, G.Y. Wang, **L. Jiang**, “Multiscale Measurement of Electron Dynamics in Femtosecond Laser- Material Interactions”, ***The 9th International Symposium on Advanced Optical Manufacturing and Testing Technology***, Chengdu, China , June 26-29,(2018). (Invited talk)
3. **L. Jiang**, “Multiscale Measurement of Electron Dynamics in High-Speed, High-Quality, High-Aspect- Ratio Femtosecond Laser Drilling”, ***ICFDM2016***, Shenyang, China, August 10-12, (2016). (Invited talk)
4. **L. Jiang**, W.N. Han, X. Li, X.W. Li, S.M. Wang, J. Hu and Y.F. Lu, “Electrons Dynamics Control by Temporally-Spatially Shaping Ultrafast Laser Pulses in Micro/Nanofabrication”, ***Light Conference 2016***, Changchun, China, July 4-8, (2016). (Invited talk)
5. A.D. Wang, X.W. Li, L.T. Qu, Y.F. Lu and **L. Jiang**, “Mask-free patterning of high-conductivity gold nanowire in open air by spatially modulated femtosecond laser pulses”, ***The International Symposium on Optoelectronic Technology and Application***, Beijing, China, May 9-11, (2016). (Invited talk)
6. **L. Jiang**, “Laser micro/nano fabrication”, ***The 16th International Manufacturing Conference in China***, Hangzhou, China, October 22-25, (2015). (Invited talk)
7. **L. Jiang**, X.W. Li, X. Li, J. Hu, S.M. Wang and Y.F. Lu, Micro/Nanofabrication Based on Localized Transient Electrons Dynamics Control, ***Applied Optics and Photonics China, 2015 (AOPC 2015)***, Beijing, China, May 5-7, (2015) (Invited talk)
8. X.W. Li, **L. Jiang**, Q. Cao, B. Xia, X.L. Yan, Y. Liu, and Y.F. Lu, Femtosecond laser Bessel beam drilling of high-aspect-ratio microholes based on electrons dynamics control, ***International Conference on Advanced Laser Technologies (ALT 2015)***, Faro, Portugal, September 7-11, (2015) (Invited talk)
9. W. Xiong, Y.S. Zhou, L.J. Jiang, J.F. Silvain, **L. Jiang**, and Y.F. Lu, “Laser direct writing of graphene patterns on glasses under ambient condition”, ***Photonics North 2014***, Montreal, Canada, May 28-30, (2014). (Invited talk)
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12. W.N. Han, X.S. Shi, P.J. Liu, X. Li, X.W. Li, J. Hu, Y.F. Lu, and **L. Jiang**, “Electron dynamics control in femtosecond laser induced periodic surface structures”, ***The International Congress on Applications of Lasers & Electro-Optics (ICALEO)***, San Diego, CA, USA, October 19-23, (2014). (Invited talk)
13. W.W. Zhao, X.W. Li, B. Xia, X.L. Yan, W.N. Han, Y.F. Lu, and **L. Jiang**, “Single-pulse femtosecond laser Bessel beams drilling of high-aspect-ratio microholes based on electron dynamics control”, ***International Conference on Optoelectronic Technology and Application***, Beijing, China, May 13-15, (2014). (Invited talk)
14. P. Feng, X. Li, W.L. Rong, X.S. Shi, K.H. Zhang, and **L. Jiang**, “Gold-film coating assisted femtosecond laser fabrication of large-area, uniform surface micro/nanostructures”, ***The 5th International Conference on Power Beam Processing Technologies (ICPBPT)***, Hangzhou, China, September 18-20, (2014). (Invited talk)
15. **L. Jiang**, Q. Cao, X. Li, J. Hu, S.M. Wang, X.W. Li, F. Wang, and Y.F. Lu, “Ultrashort laser electron dynamics control by spatial/temporal pulse shaping in micro/nanofabrication”, ***The 3rd Forum on Trends in Nano-manufacturing***, Nanjing, China, May 23-25, (2014). (Invited talk)
16. X.L. Yan, J. Hu, X.W. Li, B. Xia, P.J. Liu, Y.F. Lu, and **L. Jiang**, “Femtosecond laser microchannels fabrication based on electrons dynamics control using temporally or spatially shaped pulses”, ***Photonics Asia 2014***, Beijing, China, October 9-11, (2014). (Invited talk)
17. **L. Jiang**, C. Wang, X. S. Shi, P. J. Liu, W. N. Han, N. Zhang, and Y. F. Lu, “Nanoscale electrons dynamics control in ultrafast laser micro/nano fabrication”, ***Energy Materials Nanotechnology (EMN)***, Orland, FL, USA, (2013). (Invited talk)
18. **L. Jiang**, X.W. Li, and J. Hu, “Laser micro/nano fabrication based on electrons dynamics control” ***International Symposium on High-efficiency, Micro- and Precision Machining***, Tai’an, China, September 20-23, (2013). (Invited talk)
19. **L. Jiang**, C. Wang, Y.P. Yuan, X.S. Shi., P.J. Liu, D. Yu, and Y.F. Lu, “Femtosecond laser pulse train micro/nano fabrication based on electron dynamics control: modeling and experiments”, ***International Conference on Advanced Laser Technologies (ALT)***, Budva, Montenegro, September 16-20, (2013). (Invited talk)
20. S.M. Wang and **L. Jiang**, “Laser micro-nano manufacturing technology research and application”, 『***军工激光加工新技术会议***』，Beijing, China, August 13-15, (2013). (Invited talk)
21. Y.F. Lu, X.N. He, P.N. Black, T. Baldacchini, X. Huang, and **L. Jiang**, “Coherent anti-Stokes Raman spectroscopy and 3D imaging for biological and medical research”, ***International Conference on Advanced Laser Technologies (ALT)***, Budva, Montenegro, September 16-20, (2013). (Invited talk)
22. Y.S. Zhou, W. Xiong, J.B. Park, M. Qian, M. Mahjouri-Samani, Y. Gao, **L. Jiang**, and Y.F. Lu, “Laser-assisted fabrication of carbon nanostructures”, ***13th International Symposium on Laser Precision Microfabrication (LPM 2012)***, Washington DC, USA, June 12-15 (2012). (Invited talk)
23. **L. Jiang**, C. Wang, Y.P. Yuan, Yu D., C.C. Xu, X. Li, F. Wang, and Y.F. Lu, “Localized transient electron dynamics control in shaped ultrafast laser micro/nano fabrication”, ***Photonics and OptoElectronics Meetings（POEM）,*** Wuhan, China, November 1-2, (2012). (EI, Invited talk)
24. **L. Jiang, N. Leng，C.C. Xu, and P.J. Liu, “Morphology and recast control in shaped femtosecond pulse trains ablation of metals based on electron dynamics control”, *The Fourth China Information Optics and Photonic Devices Conference (CIOC)*, Kun Ming, China, July 23-28, (2012). (**Invited **talk)**
25. **X.S. Shi, L. Jiang, X. Li, Y.P. Yuan, C. Wang, and Y.F. Lu, “Femtosecond laser pulse train induced periodic surface structures adjustment based on transient localized electron dynamics control”, *8th International Conference on Photo-Excited Processes and Applications*, Rochester, USA, August 12-17, (2012). (Invited** talk**)**
26. **H.B. Wu, L. Jiang,** S.M. Wang,B.Y. Li, and J.P. Yang, “High-sensitive compact new fiber Mach–Zehnder interferometer sensors”, ***10th National Optoelectronic Technology Symposium***, Beijing, China, June 12-14, (2012). (Invited talk)
27. **L. Jiang**, C. Wang, X. Li, and H.L. Tsai, “Transient localized material properties changes by ultrafast laser-pulse manipulation of electron dynamics in micro/nano manufacturing”, ***MRS Spring Meeting***, San Francisco CA, USA, April 25 - 29, (2011). (EI; Invited talk)
28. **L. Jiang**, Y.F. Lu, and G.B. Wang, “High energy density beam and nontraditional energy field manufacturing”, ***NSF workshop***, University of California Berkeley CA, USA, January 1, (2011). (Invited talk)
29. **L. Jiang**, H.L. Tsai, X. Li, S.M. Wang, and Q.H. Chen, “High precision and high throughput laser micro/nano manufacturing based on electron control and resonant absorption”, CSME/SPIE-China, ***Laser Manufacturing and Applications Workshop***, Beijing, China, April 15-17, (2011). (Invited talk)
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31. L.J. Zhao, **L. Jiang**, S.M. Wang, X. Li, H. Xiao, Y.F. Lu, and H.L. Tsai, “Femtosecond laser fabrication of new fiber sensors”, ***47th Annual Technical Meeting of Society of Engineering Science (SES 2010)***, Iowa State University, Ames, IA, USA, October 3-6, (2010). (Invited talk)
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35. X. Li, **L. Jiang**, and H.L. Tsai, “Multiscale modeling of phase changes during femtosecond laser metal interaction”, ***Proceedings of the SPIE***, 7202, 72020B (1-16), San Jose, CA, USA, January 24, (2009). (EI; Invited paper)
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37. **L. Jiang** and H.L. Tsai, “Ablation shape determination under ultrafast laser ablation” ***The International Congress on Applications of Lasers & Electro-Optics(ICALEO)***, Pechanga Resort, Temecula, CA, USA, October 20 – 23, (2008). (EI; Invited paper)
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41. **L. Jiang and H.L. Tsai, “**Modeling of ultrashort pulse-train laser heating of metal films”, ***Proceedings of ASME Heat Transfer Summer Conference***, No. HT2005-72199, pp.253-262, San Francisco, CA, USA, July 17-22, (2005). (EI; Invited paper)
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3. C. Wang, **L. Jiang**, X. Li, H.L. Tsai, and Y.F. Lu, “Quantum multiscale modeling of phase changes during femtosecond laser ablation of silica”, in ***CLEO:2011 - Laser Applications to Photonic Applications, OSA Technical Digest,*** Baltimore, MD, USA, May 1-2, (2011). (EI)
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8. **L. Jiang** and H.L. Tsai, “Modeling of CO2 gas excitation under CO2 laser irradiation”, ***ASME International Mechanical Engineering Congress &Exposition***, No. IMECE2006-15625, Chicago, IL, USA, November 5-10, (2006). (EI)
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10. **L. Jiang** and H.L. Tsai, “Plasma modeling of femtosecond laser pulse-train micro-/nano-fabrication of glasses”, ***Proceedings of ISFA’06 ASME International Symposium on Flexible Automation***, Osaka, Japan, July 10-12, (2006). (EI)
11. H.L. Tsai and **L. Jiang**, “Ultrashort laser pulse train micro-/nano-structuring of dielectrics”, ***Proceedings of 2005 NSF DMII Grantees Conference***, St. Louis, Missouri, USA, July 24-27, (2006).
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13. **L. Jiang** and H.L. Tsai, “Modeling the femtosecond laser pulse-train ablation of dielectrics”, ***Proceedings of ASME International Mechanical Engineering Congress & Exposition***, No. IMECE2005-81774, Orlando, FL, USA, November 15-11, (2005).
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15. **L. Jiang** and H.L. Tsai, “Quantum modeling of photon-electron-phonon interaction during ultrafast laser ablation of dielectrics”, ***Symposium on Micro- and Nanoscale Laser Materials Processing, 41st Annual Technical Meeting of the Society of Engineering Science***, Lincoln, NE, USA, October 10-13, (2004).
16. **L. Jiang** and H.L. Tsai, “Predication of ablation depth and crater shape in femtosecond laser microfabrication of wide bandgap materials”, ***The International Congress on Applications of Lasers & Electro-Optics (ICALEO)***, San Francisco, CA, USA, October 4-7, (2004).
17. **L. Jiang** and H.L. Tsai, “Ultrafast photon-electron interactions in dielectrics by a single laser pulse”, ***ASME International Mechanical Engineering Congress and Exposition***, No. IMECE2004-59288, pp.389-398, Anaheim, CA, USA, November 13-19, (2004). (EI)
18. **L. Jiang** and H.L. Tsai, **“Femtosecond laser ablation: challenges and opportunities**”, ***NSF DMII Workshop*,** pp.163-177**, Stillwater, USA, (2003).**
19. V. Allada and **L. Jiang**, “New modules launch planning for evolving modular product families”, ***ASME Design Engineering Technical Conferences***, No. DFM-34190, pp.349-358, Montreal, Canada, September 29 - October 2, (2002). (EI)
20. **L. Jiang** and V. Allada, “Robust modular product family design”, ***Proceedings of SPIE - The International Society for Optical Engineering***. Intelligent System in Design and Manufacturing IV, 4565, 62-73, Boston, MA, USA, October 28, (2001). (EI)
21. **L. Jiang** and V. Allada, “Design for robustness of modular product families for current and future markets”, ***ASME Design Engineering Technical Conferences,*** Pittsburgh, Pennsylvania, USA, No. DFM-21177, pp. 173-182, September 9-12, (2001). (EI)
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23. **L. Jiang**, Y. Wang, and M. Nagai, “A Theoretical study on front steering compensation for commercial vehicle”, ***FISITA World Automotive Congress***, No. F2000 G343, Seoul, Korea, June 12–15, (2000).
24. Y.F. Lu, W. Xiong, L.J. Jiang, Y.S. Zhou, Y, Gao, T. Baldacchini, J.F. Silvain, **L. Jiang**, “Additive and Subtractive 3D-Microfabrication of Micro/Nanostructures”, ***The European Conference on Lasers and Electro-Optics and the European Quantum Electronics Conference***, Munich, Germany, June 21-25, (2015).
25. D.W. Li, Y.S. Zhou, X. Huang, **L. Jiang**, J.F. Silvain, and Y.F. Lu, “In Situ Imaging and Control of layer-by-layer femtosecond laser thinning of graphene”, ***International Congress on Applications of Lasers & Electro-Optics***, Atlanta, GA, October 18-22, (2015).
26. Y.F. Lu, X. Huang, X.N. He, L. Liu, Y.S. Zhou, Y. Lu, **L. Jiang**, and J.F. Silvain, “3D optical spectroscopy and imaging at micro/nanoscales”, ***The 5th conference on Advances in Optoelectronics and Micro/nano-optics***, Hangzhou, China, Oct 28-31, (2015).

**专利列表：**

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| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **申请人** | **申请日期** | **专利名称** | **申请号** | **授权日期** | **备注** |
| 1 | 陈旭远，姜澜，徐鹏，伞海生，朵英贤 | 2008.11.12 | 复合型微能源系统及其制备方法 | 200810072108.6 | 2011.04.20  (未缴费) | 申请人：厦门大学 |
| 2 | 姜澜，朵英贤，陈海洋，李遂贤 | 2009.04.22 | 提高β-Volt效应同位素电池转化效率的方法 | 200910082804.X | 2011.08.24  (未缴费) | 申请人：北京理工大学 |
| 3 | 姜澜，肖海，陈强华，陆建萍，刘飞 | 2009.10.15 | 基于沸石分子筛镀膜微谐振器的超高灵敏度微型光纤传感器及其制备方法 | 200910235775.6 | 2012.05.23  (未缴费) | 申请人：北京理工大学 |
| 4 | 姜澜，陈强华，周兰英，陆建萍 | 2009.10.15 | 具有纳米孔径沸石分子筛的镀膜微谐振器及其制备方法 | 200910235776.0 | 2012.05.23  (未缴费) | 申请人：北京理工大学 |
| 5 | 姜澜，朵英贤，李遂贤，陈海洋，王婷 | 2009.04.22 | 一种氮化镓太阳能同位素复合型微电池及其制作方法 | 200910082827.0 |  | 申请人：北京理工大学 |
| 6 | 姜澜，申高，李本业，王素梅，肖海 | 2009.12.15 | 一种基于薄包层长周期光纤光栅耦合谐振腔新型生物化学传感器 | 200910243117.1 |  | 申请人：北京理工大学 |
| 7 | 姜澜，赵龙江，王素梅 | 2010.09.14 | 一种成型光纤微传感器及其制作方法 | 201010280559.6 |  | 申请人：北京理工大学 |
| 8 | 姜澜，李本业，王素梅 | 2010.11.03 | 一种基于沸石膜光纤谐振腔的生物化学传感器 | 201010534723.1 |  | 申请人：北京理工大学 |
| 9 | 姜澜，陈海洋，李大让，蔡胜国，尹建华 | 2010.11.03 | 一种降低砷化镓同位素电池暗电流的方法 | 201010534725.0 | 2012.04.25  (未缴费) | 申请人：北京理工大学 |
| 10 | 姜澜，陈海洋，李大让，尹建华，蔡胜国 | 2010.11.03 | 一种砷化镓基多结同位素微电池 | 201010534724.6 | 2013.03.13  (未缴费) | 申请人：北京理工大学 |
| 11 | 姜澜，蔡海龙 | 2010.11.08 | 纳飞秒双激光复合加工系统 | 201010535443.2 |  | 申请人：北京理工大学 |
| 12 | 姜澜，袁雷，林奈，王素梅，肖海 | 2010.11.22 | 一种微型高灵敏度光纤化学传感器 | 201010558226.5 |  | 申请人：北京理工大学 |
| 13 | 姜澜，李本业，王素梅，杨金鹏，王猛猛 | 2010.12.15 | 一种光纤马赫-泽德干涉仪的制造方法 | 201010606119.5 | 2013.02.13  (未缴费) | 申请人：北京理工大学 |
| 14 | 姜澜，李大让，尹建华，林奈，王聪 | 2011.08.31 | 一种高输出能量的复合同位素电池及其制备方法 | 201110256193.3 | 2013.07.31 | 申请人：北京理工大学 |
| 15 | 姜澜，刘鹏军，徐传彩，冷妮 | 2012.03.27 | 一种用飞秒激光脉冲序列对透明介质内部加工的方法 | 201210084740.9 |  | 申请人：北京理工大学 |
| 16 | 姜澜，刘鹏军，冷妮，徐传彩 | 2012.03.27 | 一种提高飞秒激光制备微通道加工效率的方法 | 201210084857.7 |  | 申请人：北京理工大学 |
| 17 | 姜澜，曹强，房巨强 | 2013.05.31 | 基于掺杂的激光共振吸收高效率及选择性加工方法 | 201310209634.3 | 逾期视撤失效 | 申请人：中自高  科 |
| 18 | 姜澜，徐乐，王素梅，韩伟娜，曹志涛 | 2013.05.31 | 一种飞秒激光脉冲序列加工的新型全光纤微通道马赫-泽德干涉仪传感器 | 201310209670.X |  | 申请人：中自高科 |
| 19 | 姜澜，韩伟娜，李晓炜，徐乐，袁艳萍 | 2013.05.31 | 一种控制飞秒激光诱导晶硅表面微纳结构形态的方法 | 201310209667.8 | 2016.05.04 | 申请人：中自高科 |
| 20 | 姜澜，曹强，余彦武 | 2013.05.31 | 一种超快激光脉冲序列调制方法 | 201310209631.X |  | 申请人：中自高科 |
| 21 | 姜澜，刘鹏军，胡洁 | 2013.12.02 | 一种基于电子动态调控的飞秒激光刻蚀玻璃的方法 | 201310636640.7 | 2015.08.05 | 申请人：北京理工大学 |
| 22 | 姜澜，韩伟娜，李晓炜 | 2013.12.11 | 基于电子动态调控的晶硅表面飞秒激光选择性烧蚀方法 | 201310677091.8 | 2015.05.06 | 申请人：北京理工大学 |
| 23 | 姜澜，史雪松，李欣 | 2013.12.19 | 一种利用电子动态调控改变光栅结构周期的方法 | 201310706858.5 | 2015.07.01 | 申请人：北京理工大学 |
| 24 | 姜澜，闫雪亮，李晓炜 | 2013.12.19 | 一种利用电子动态调控制备高深径比三维微通道的方法 | 201310706919.8 |  | 申请人：北京理工大学 |
| 25 | 姜澜，史雪松，李欣 | 2013.12.19 | 基于电子动态调控的三维周期结构加工方法 | 201310706949.9 | 2015.05.20 | 申请人：北京理工大学 |
| 26 | 姜澜，余彦武，曹强，王青松 | 2014.04.11 | 基于迈克尔逊干涉仪的脉冲序列调制方法及调制器 | 201410145611.5 | 2016.06.01 | 申请人：北京理工大学 |
| 27 | 姜澜，余彦武，曹强 | 2014.04.11 | 一种基于镀膜的脉冲序列调制器 | 201410144183.4 | 2016.08.31 | 申请人：北京理工大学 |
| 28 | 姜澜，曹志涛，王素梅，王鹏，张飞 | 2014.04.11 | 一种干涉型反射探针式光纤微传感器及其制作方法 | 201410144204.2 | 2016.08.17 | 申请人：北京理工大学 |
| 29 | 姜澜，沈修锋，王素梅，徐乐 | 2014.04.14 | 一种基于纤芯失配衰减器的全光纤温度传感器 | 201410151287.8 | 2017.04.05 | 申请人：中自高科 |
| 30 | 姜澜，房巨强，曹强 | 2014.04.15 | 一种飞秒激光高效率加工大深径比高质量微孔的方法 | 201410151016.2 |  | 申请人：北京理工大学 |
| 31 | 姜澜，房巨强，曹强 | 2014.04.15 | 一种飞秒激光诱导材料表面二维周期性结构的方法 | 201410151218.7 |  | 申请人：北京理工大学 |
| 32 | 姜澜，曹强，张家骏 | 2014.04.25 | 基于局部离子注入实现电子状态调控的飞秒激光加工方法 | 201410171600.4 | 2015.08.19 | 申请人：北京理工大学 |
| 33 | 姜澜，张宁，李欣，余彦武 | 2014.06.23 | 基于飞秒激光电子动态调控制备表面增强拉曼基底的方法 | 201410283659.2 | 2016.02.10 | 申请人：北京理工大学 |
| 34 | 姜澜，房巨强，曹强，余彦武，王青松 | 2014.10.28 | 一种基于N型掺杂的飞秒激光加工半导体的方法 | 201410589883.4 |  | 申请人：北京理工大学 |
| 35 | 姜澜，房巨强，曹强，王青松，余彦武 | 2014.10.28 | 一种基于离子着色的飞秒激光加工玻璃的方法 | 201410586823.7 |  | 申请人：北京理工大学 |
| 36 | 姜澜，谭旭东，曹强，胡洁，余彦武，王安东 | 2014.11.20 | 一种超快连续成像装置及方法 | 201410669382.7 |  | 申请人：北京理工大学 |
| 37 | 姜澜，王安东，曹强，李晓炜，余彦武 | 2014.11.25 | 基于频域时空变换的超快激光连续成像装置及方法 | 201410683514.1 | 2017.02.08 | 申请人：北京理工大学 |
| 38 | 姜澜，韩伟娜，李晓炜 | 2014.12.29 | 基于方孔辅助电子动态调控晶硅表面周期性微纳结构方法 | 201410848351.8 | 2016.06.22 | 申请人：北京理工大学 |
| 39 | 姜澜，张广鸣，李欣 | 2014.12.29 | 基于电子动态调控乙醇溶液辅助金属加工方法 | 201410848355.6 | 2016.08.24 | 申请人：北京理工大学 |
| 40 | 姜澜，赵梦娇，胡洁 | 2014.12.29 | 一种用飞秒激光脉冲序列在玻璃表面加工微阵列的方法 | 201410848892.0 | 2017.08.25 | 申请人：北京理工大学 |
| 41 | 姜澜，孟凡通，胡洁 | 2014.12.29 | 基于电子动态调控的飞秒激光控制镍表面形貌的方法 | 201410848890.1 | 2016.08.17 | 申请人：北京理工大学 |
| 42 | 姜澜，冯品，李欣，戎文龙 | 2014.12.29 | 利用激光偏振选择性烧蚀结合酸蚀制备微通道的方法 | 201410830142.0 | 逾期视撤失效 | 申请人：中自高科 |
| 43 | 姜澜，王安东，李晓炜 | 2014.12.29 | 一种非真空无掩膜的高电导率金属纳米线的加工方法 | 201410830123.8 | 2016.11.30 | 申请人：中自高科 |
| 44 | 姜澜，江毅，王鹏，王素梅，刘达 | 2015.05.28 | 一种光纤微纳法珀干涉型压力传感器及其制作方法 | 201510282041.9 |  | 申请人：北京理工大学 |
| 45 | 姜澜，江毅，曹志涛，王素梅，刘达 | 2015.06.03 | 一种高温温度和压力光纤法布里珀罗复合微纳传感器 | 201510300783.X | 2018.04.23 | 申请人：北京理工大学 |
| 46 | 姜澜，李晓炜，刘洋 | 2015.06.03 | 一种透明材料上高深径比微孔重铸层的测量装置及方法 | 201510300709.8 | 2018.03.30 | 申请人：北京理工大学 |
| 47 | 姜澜，余彦武，王鹏，王素梅，曹强 | 2015.12.14 | 酒罐液位测量装置 | 201510934682.8 |  | 申请人：北京理工大学 |
| 48 | 姜澜，余彦武，王鹏，王素梅，曹强 | 2015.12.14 | LNG液位测量装置 | 201510934822.1 |  | 申请人：北京理工大学 |
| 49 | 姜澜，韩伟娜，李晓炜 | 2016.01.14 | 基于双波长飞秒激光电子动态调控硅表面纳米柱制备方法 | 201610021533.7 | 2017.07.18 | 申请人：北京理工大学 |
| 50 | 姜澜，谢乾，李晓炜 | 2016.01.21 | 一种高效制备高深径比微孔阵列的方法 | 201610040690.2 |  | 申请人：北京理工大学 |
| 51 | 曹强，姜澜，叶森 | 2016.1.21 | 一种可实现高效率油水分离的滤网及其飞秒激光制备方法 | 201610041442.X | 2018.02.06 | 申请人：北京理工大学 |
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