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(a) Professional Preparation:

Nanjing University, Nanjing, P.R. China	Physics	B.S.	1982
University of Texas at Austin, Austin, TX	Physics	Ph.D.	1988
Massachusetts Institute of Technology	Atomic Physics	Postdoc	1988-1990

(b) Appointments:

2010--	Adjunct Professor, School of Physics	Nanjing University, China
2006--	21 st Century Endowed Chair in Nanotechnology	University of Arkansas
2004--	Distinguished Professor of Physics,	University of Arkansas
1998-2004,	Professor of Physics, Department of Physics,	University of Arkansas
1995-1998,	Associate Professor, Department of Physics,	University of Arkansas
1990-1995,	Assistant Professor, Department of Physics,	University of Arkansas

Honors and Awards:

National Science Foundation Young Investigator Award	July, 1994
Alumni Distinguished Faculty Research Achievement Award by the University of Arkansas Alumni Association	November, 1998
Master Researcher Award, Fulbright College of Arts and Sciences, UA	April, 2002

Fellow of American Physical Society (2004)

Fellow of Optical Society of America (2004)

(c) Ten Selected Recent Publications (out of >425 refereed journal publications):

1. “Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal”, D.Z. Wei, C. Wang, H. Wang, X.P. Hu, D. Wei, X. Fang, Yong Zhang, D. Wu, Y. Hu, J. Li, S.N. Zhu, and **Min Xiao**, *Nature Photonics*, to appear in October, 2018. DOI: 10.1038/s41566-018-0240-2
2. “Transmission nonreciprocity in a mutually coupled circulating structure”, Bing He, Liu Yang, X.S. Jiang, and **Min Xiao**, *Physical Review Letters* **120**, 203904 (2018).
3. “Photon antibunching in a cluster of “giant” CdSe/CdS nanocrystals”, B. Lv, H. Zhang, L. Wang, C.F. Zhang, X.Y. Wang, J. Zhang, and **Min Xiao**, *Nature Communications* **9**, 1536 (2018).
4. “Bright-exciton fine structure splittings in single perovskite nanocrystals”, C. Yin, L. Chen, N. Song, Y. Lv, F. Hu, C. Sun, W.W. Yu, C.F. Zhang, X.Y. Wang, Y. Zhang, and **Min Xiao**, *Physical Review Letters* **119**, 026401 (2017).
5. “Radiation pressure cooling as a quantum dynamical process”, Bing He, L. Yang, Q. Lin, and **Min Xiao**, *Physical Review Letters* **118**, 233604 (2017).

6. “Demonstration of a chip-based nonlinear optical isolator”, S. Hua, J. Wen, X.S. Jiang, Q. Hua, L. Jiang, and **Min Xiao**, *Nature Communications* **7**, 13657 (2016). DOI: 10.1038/ncomms13657.
7. “Observation of parity-time symmetry in optically induced atomic lattices”, Z.Y. Zhang, Y.Q. Zhang, J. Sheng, L. Yang, M.A. Miri, D.N. Christodoulides, B. He, Y.P. Zhang and **Min Xiao**, *Physical Review Letters* **117**, 123601 (2016).
8. “Carrier multiplication in a single semiconductor nanocrystal”, F. Hu, B. Lv, C. Yin, C.F. Zhang, X.Y. Wang, B. Lounis, and **Min Xiao**, *Physical Review Letters* **116**, 106404 (2016).
9. “Magnetic dipolar interaction between correlated triplets created by singlet fission in tetracene crystals”, Rui Wang, C.F. Zhang, B. Zhang, Y. Liu, X.Y. Wang, and **Min Xiao**, *Nature Communications* **6**, 8602 (2015). DOI: 10.1038/ncomms9602.
10. “Parity-time symmetry and variable optical isolation in active-passive-coupled microresonators”, L. Chang, Xiaoshun Jiang, S. Hua, C. Yang, J. Wen, L. Jiang, G. Li, G. Wang, and **Min Xiao**, *Nature Photonics* **8**, 524-529 (2014). doi:10.1038/nphoton.2014.133

(d) Five Synergistic Activities:

- US patent (US Patent Number: 5,821,546, “Method and System for Fecal Detection”, by Min Xiao, D. Zhuang, G. Zheng, and M.F. Slavik, Oct., 1998).
- Program Co-Chair (2005) and General Co-Chair (2007) of *Quantum Electronics and Laser Science Conference* (currently merged with *Conference on Lasers and Electro-Optics*)
- NSF Committee of Visitors (to conduct three-year review of NSF/Physics Division), 2009
- Member, Editorial Board of *Physical Review A* (2015-2017, 2018—present)
- Member, Editorial Board of *Quantum Materials* (a new Nature Partner Journal, 2016--_).

(e) Graduate and Postdoctoral Advisors:

Graduate advisor: Professor H. Jeff Kimble, Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena, CA 91125.

Postdoctoral advisor: Professor David E. Pritchard, Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139

Books and Chapters

- “Parity-time-symmetric optical lattices in atomic configurations”, Z.Y. Zhang, Y.Q. Zhang, J. Feng, J. Sheng, Y.P. Zhang, and **Min Xiao**, in book <<*Parity-time Symmetry and Its Applications*>>, edited by D. Christodoulides and J. Yang, refereed, Springer 2018.
- <<*Quantum Control of Multi-wave Mixing*>>, Yanpeng Zhang, Feng Wen, and **Min Xiao**, WILEY-VCH and Higher Education Press, 2013.
- “Coherent Control of Multi-wave Mixing in Atomic Media”, W. Feng, M. Qin, M. Chen, Y.P. Zhang, and **Min Xiao**, *Progress in Physics, invited review* (chapter), 33, June (2013).
- <<*Controlling Steady-State and Dynamical Properties of Atomic Optical Bistability*>>, A. Joshi and **Min Xiao**, World Scientific Publishing, August, 2012.
- <<*Coherent Control of Four-wave Mixing*>>, Yanpeng Zhang, Zhiqiang Nie, and **Min Xiao**, Springer-Verlag and Higher Education Press (Beijing, Berlin), 2011.
- <<*Multi-wave Mixing Processes*>>, Yanpeng Zhang and **Min Xiao**, Springer-Verlag and Higher Education Press (Beijing, Berlin, New York), 2009.
- “Cavity Linewidth Controls with an Intracavity Three-level Atomic Medium”, H. Wu and **Min Xiao**, in <<*Atomic Coherence and Its Potential Applications*>>, edited by J.Y. Gao, **M. Xiao**, and Y. Zhu, e-book (Bentham Science Publishers), 2009.
- “Control of Nonlinear Optical Processes in Multi-Level Atomic Systems”, A. Joshi and **Min Xiao**, *Progress in Optics*, Ed. E. Wolf, **49**, 97--175 (2006).

Publications in Refereed Journals (up to September 15, 2018) (Not including conference proceedings)

Accepted and Published:

2018:

427. “Enhanced multipartite entanglement via quantum coherence with an atom-assisted optomechanical system”, X.H. Yang, J. Liu, X. Yan, and Min Xiao, *Journal of Physics B: Atomic, Molecular and Optical Physics*, accepted 2018.

426. “PT symmetry in optical microcavity systems” by J. Wen, X.S. Jiang, L. Jiang, **Min Xiao**, *Journal of Physics B: Atomic, Molecular and Optical Physics*, Invited Review (refereed), accepted, 2018.

425. “Highly flexible and efficient all-polymer solar cells with high-viscosity processing polymer additive toward potential of stretchable devices”, S. Chen, S. Jung, H.J. Cho, N.H. Kim, S.G. Jung, J. Xu, J. Oh, Y. Cho, H. Kim, B. Lee, Y. An, C.F. Zhang, **Min Xiao**, H. Ki, Z.G. Zhang, J.Y. Kim, Y.F. Li, H. Park, and C. Yang, *Angewandte Chemie International Edition*, accepted 2018. DOI: 10.1002/anie.201807513

424. “Experimental demonstration of a three-dimensional lithium niobate nonlinear photonic crystal”, D.Z. Wei, C. Wang, H. Wang, X.P. Hu, D. Wei, X. Fang, Yong Zhang, D. Wu, Y. Hu, J. Li, S.N. Zhu, and **Min Xiao**, *Nature Photonics*, accepted 2018. DOI: 10.1038/s41566-018-0240-

423. “Ultrafast Channel II process induced by a 3-D texture with enhanced acceptor order ranges for high-performance non-fullerene polymer solar cells”, S. Chen, S.M. Lee, J. Xu, J. Lee, K. C. Lee, T. Hou, Y. Yang, M. Jeong, B. Lee, Y. Cho, S. Jung, J. Oh, Z.G. Zhang, C.F. Zhang, **Min Xiao**, Y. Li and C. Yang, *Energy & Environmental Science*, accepted 2018. DOI: 10.1039/c8ee01546e
422. “Broadband variable meta-axicons based on nano-aperture arrays in a metallic film”, Y. Zhu, D.Z. Wei, Z. Kuang, Q. Wang, Y. Wang, X. Huang, Yong Zhang and **Min Xiao**, *Scientific Reports* **8**, 11591 (2018).
421. “Parity-time-symmetric optical lattice with alternating gain and loss atomic configurations”, Z.Y. Zhang, L. Yang, J. Feng, J. Sheng, Y.Q. Zhang, Y.P. Zhang and **Min Xiao**, *Laser & Photonics Reviews* **2018**, 1800155 (2018). DOI: 10.1002/lpor.201800155
420. “Control the orbital angular momentum in third-harmonic generation using quasi-phase-matching”, Z. Xu, Z. Lin, Z. Ye, Y. Chen, X.P. Hu, Y. Wu, Yong Zhang, P. Chen, W. Hu, Y.Q. Lu, **Min Xiao**, and S.N. Zhu, *Optics Express* **26**, 17563 (2018)
419. “Evolution of nonlinear Raman-Nath diffraction from near field to far field”, D. Liu, D.Z. Wei, M. Gu, Yong Zhang, X.P. Hu, **Min Xiao**, and P. Han, *Optics Letters* **43**, 3168 (2018).
418. “Transmission nonreciprocity in a mutually coupled circulating structure”, Bing He, Liu Yang, X.S. Jiang, and **Min Xiao**, *Physical Review Letters* **120**, 203904 (2018).
417. “Photon antibunching in a cluster of “giant” CdSe/CdS nanocrystals”, B. Lv, H. Zhang, L. Wang, C.F. Zhang, X.Y. Wang, J. Zhang, and **Min Xiao**, *Nature Communications* **9**, 1536 (2018).
416. “Composition-dependent energy splitting between bright and dark excitons in lead halide perovskite nanocrystals”, L. Chen, B. Li, C.F. Zhang, X. Huang, X.Y. Wang, and **Min Xiao**, *Nano Letters* **18**, 2074 (2018).
415. “Non-Hermitian optics in atomic systems”, Z.Y. Zhang, D. Ma, J.T. Sheng, Y.Q. Zhang, Y.P. Zhang, and **Min Xiao**, *Journal of Physics B: Atomic, Molecular and Optical Physics*, Invited Review (refereed), **51**, 072001 (2018).
414. “Controllable photonic crystal with periodic Raman gain in a coherent atomic medium”, Z.Y. Zhang, J. Feng, X. Liu, J. Sheng, Y.Q. Zhang, Y.P. Zhang and **Min Xiao**, *Optics Letters* **43**, 919 (2018).
413. “High-Q and highly reproducible microdisks and microlasers”, N. Zhang, Y. Wang, W. Sun, S. Liu, C. Huang, X.S. Jiang, **Min Xiao**, S.M. Xiao, and Q.H. Song, *Nanoscale* **10**, 2045 (2018).
412. “Singlet exciton fission in a linear tetracene tetramer”, H. Liu, Z. Wang, X. Wang, L. Shen, C.F. Zhang, **Min Xiao**, and X. Li, *J. Mater. Chem. C* **6**, 3245 (2018).
411. “Orbital angular momentum-enhanced measurement of rotation vibration using a Sagnac interferometer”, S. Xiao, L. Zhang, Dan Wei, F. Liu, Yong Zhang, and **Min Xiao**, *Optics Express* **26**, 1997 (2018).
410. “Transient electronic anisotropy in overdoped NaFe_{1-x}Co_xAs superconductors”, S.H. Liu, C.F. Zhang, Q. Deng, H.H. Wen, J.X. Li, E.M. Chia, X.Y. Wang, and **Min Xiao**, *Physical Review B* **97**, 020505(R), *Rapid Communications* (2018).

409. “Observation of electromagnetically induced Talbot effect in an atomic system”, Z.Y. Zhang, X. Liu, D. Zhang, J. Sheng, Y.Q. Zhang, Y.P. Zhang, and **Min Xiao**, *Phys. Rev. A* **97**, 013603 (2018).

408. “Feasible D1-A-D2-A random copolymers for simultaneous high-performance fullerene and nonfullerene solar cells”, M. Jeong, S. Chen, S.M. Lee, Z. Wang, Y. Yang, Z.G. Zhang, C.F. Zhang, **Min Xiao**, Y.F. Li, and C. Yang, *Advanced Energy Materials* **8**, 1702166 (2018). DOI: 10.1002/aenm.201702166

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407. “Coherent exciton-phonon coupling in CdSe/ZnS nanocrystals studied by two-dimensional electronic spectroscopy”, R. Wang, X. Huang, C.F. Zhang, X. Wang, and **Min Xiao**, *Chinese Journal of Chemical Physics* **30**, 637 (2017).

406. “Tunable third harmonic generation of vortex beams in an optical superlattice”, Y. Wu, R. Ni, Z. Xu, Y. Wu, X. Fang, D. Wei, X.P. Hu, Yong Zhang, **Min Xiao**, and S.N. Zhu, *Optics Express* **25**, 30820 (2017).

405. “Bright type-II photoluminescence from Mn-doped CdS/ZnSe/ZnS quantum dots with Mn²⁺ ions as exciton couplers”, R. Xu, C. Liao, Y. Xu, C.F. Zhang, **Min Xiao**, L. Zhang, C. Lu, Y. Cui, and J.Y. Zhang, *Nanoscale* **9**, 18281 (2017).

404. “Kerr frequency combs in large-size, ultra-high-Q toroid microcavities with low repetition rates”, J.Y. Ma, X.S. Jiang, and **Min Xiao**, *Photonics Research* **5**, B54 (2017). Invited paper for special issue; DOI: 10.1364/PRJ.5.000B54

403. “Second-harmonic interference imaging of ferroelectric domains through a scanning microscope”, X. Huang, D.Z. Wei, Y. Wang, Y. Zhu, Yong Zhang, X. Hu, S.N. Zhu, and **Min Xiao**, *J. of Physics D: Applied Physics* **50** 485105 (2017).

402. “Enhanced intensity-difference squeezing via energy-level modulations in hot atomic media”, D. Zhang, C. Li, Z.Y. Zhang, Y.Q. Zhang, Y.P. Zhang, and **Min Xiao**, *Physical Review A* **96**, 043847 (2017).

401. “Examining second-harmonic generation of high-order Laguerre–Gaussian modes through a single cylindrical lens”, X. Fang, Z. Kuang, P. Chen, H. Yang, Q. Li, W. Hu, Y.Q. Lu, Yong Zhang and **Min Xiao**, *Optics Letters* **42**, 4387 (2017).

400. “Mass sensing by detecting the quadrature of a coupled light field”, Q. Lin, Bing He, and **Min Xiao**, *Physical Review A* **96**, 043812 (2017).

399. “Broadband two-dimensional electronic spectroscopy in an actively phase stabilized pump-probe configuration”, W. Zhu, R. Wang, C.F. Zhang, G. Wang, Y. Liu, W. Zhao, X. Dai, X.Y. Wang, G. Cerullo, S. Cundiff, and **Min Xiao**, *Optics Express* **25**, 21115 (2017).

398. “All-small-molecule nonfullerene organic solar cells with high fill factor and high efficiency over 10%”, B. Qiu, L. Xue, Y. Yang, H. Bin, Y. Zhang, C.F. Zhang, **Min Xiao**, K. Park, W. Morrison, Z.G. Zhang, and Y. Li, *Chemistry of Materials* **29**, 7543 (2017).

397. “Side chain engineering on medium bandgap copolymers to suppress triplet formation for high-efficiency polymer solar cells”, L. Xue, Y. Yang, J. Xu, C.F. Zhang, H. Bin, Z.G. Zhang, B. Qiu, X. Li, C. Sun, L. Gao, J. Yao, X. Chen, Y.X. Yang, **Min Xiao**, and Y.F. Li, *Advanced Materials* **29**, 1703344 (2017). DOI:10.1002/adma.201703344.

396. “Edge states in dynamical superlattices”, Y.Q. Zhang, Y. Kartashov, F. Li, Z.Y. Zhang, Y.P. Zhang, M. Belic, and **Min Xiao**, *ACS Photonics* **4**, 2250 (2017).
395. “Continuous-variable entanglement generated with a hybrid PT-symmetric system”, S. Vashahri-Ghamsari, B. He, and **Min Xiao**, *Physical Review A* **96**, 033806 (2017).
394. “Polar phase transitions in heteroepitaxial stabilized $\text{La}_{0.5}\text{Y}_{0.5}\text{AlO}_3$ thin films”, S. Liu, C.F. Zhang, M. Zhu, Q. He, J. Chakhalian, X.R. Liu, A. Borisevich, X.Y. Wang, and **Min Xiao**, *Journal of Physics: Condensed Matter* **29**, 405401 (2017).
393. “Ultralow-threshold neodymium-doped microsphere lasers on a silicon chip”, Y. Ding, H. Fan, X. Zhang, X.S. Jiang and **Min Xiao**, *Optics Communications* **395**, 51 (2017).
392. “Directly generating orbital angular momentum in second-harmonic waves with a spirally-poled nonlinear photonic crystal”, D.Z. Wei, Y. Zhu, W. Zhong, G. Cui, H. Wang, Y. He, Yong Zhang, Y.Q. Lu, and **Min Xiao**, *Applied Physics Letters* **110**, 261104 (2017).
391. “Bright-exciton fine structure splittings in single perovskite nanocrystals”, C. Yin, L. Chen, N. Song, Y. Lv, F. Hu, C. Sun, W.W. Yu, C.F. Zhang, X.Y. Wang, Y. Zhang, and **Min Xiao**, *Physical Review Letters* **119**, 026401 (2017).
390. “On-chip generation of broadband high-order Laguerre–Gaussian modes in a metasurface”, Y. Wang, X. Fang, Z. Kuang, H. Wang, D.Z. Wei, Y. Liang, Q. Wang, T. Xu, Yong Zhang, and **Min Xiao**, *Optics Letters* **42**, 2463 (2017).
389. “Unveiling the link between fractional Schrödinger equation and light propagation in honeycomb lattice”, D. Zhang, Y.Q. Zhang, Z.Y. Zhang, N. Ahmed, Y.P. Zhang, F. Li, M.R. Belic, and **Min Xiao**, *Annual der Physik* **529**, 1700149 (2017). DOI: 10.1002/andp.201700149. (Front Cover article)
388. “Ultrafast carrier dynamics and efficient triplet generation in black phosphorus quantum dots”, L. Chen, C.F. Zhang, L. Li, H. Wu, X.Y. Wang, S. Yan, Y. Shi, and **Min Xiao**, *Journal of Physical Chemistry C* **121**, 12972 (2017).
387. “Radiation pressure cooling as a quantum dynamical process”, Bing He, L. Yang, Q. Lin, and **Min Xiao**, *Physical Review Letters* **118**, 233604 (2017).
386. “Multiple generations of high-order orbital angular momentum modes through cascaded third-harmonic generation in a 2D nonlinear photonic crystal”, Dan Wei, J. Guo, X. Fang, D.Z. Wei, R. Ni, P. Chen, X. Hu, Yong Zhang, W. Hu, Y.Q. Lu, S.N. Zhu, and **Min Xiao**, *Optics Express* **25**, 11556 (2017).
385. “Optical Bloch oscillation and Zener tunneling in an atomic system”, Y.Q. Zhang, D. Zhang, Z.Y. Zhang, C. Li, Y.P. Zhang, F. Li, M.R. Bebic, and **Min Xiao**, *Optica* **4**, 571 (2017).
384. “Single-mode lasing from ‘giant’ CdSe/CdS core-shell quantum dots in distributed feedback structures”, L. Zhang, C. Liao, B. Lv, X.Y. Wang, **Min Xiao**, R. Xu, Y. Yuan, C. Lu, Y. Cui, and J. Zhang, *ACS Applied Materials & Interfaces* **9**, 13293-13303 (2017).
383. “Generation of robust tripartite entanglement with a single-cavity optomechanical system”, X.H. Yang, Y. Ling, X. Shao, and **Min Xiao**, *Physical Review A* **95**, 052303 (2017).

382. “Simple and nondestructive on-chip detection of optical orbital angular momentum through a single plasmonic nanohole”, D. Wei, Y. Wang, D. Liu, Y. Zhu, W. Zhong, X. Fang, Yong Zhang, and **Min Xiao**, *ACS Photonics* **4**, 996-1002 (2017).
381. “Conical third-harmonic generation in a hexagonally poled LiTaO₃ crystal”, X. Fang, D. Wei, Y. Wang, H. Wang, Yong Zhang, X.P. Hu, S.N. Zhu, and **Min Xiao**, *Applied Physics Letters* **110**, 111105 (2017).
380. “Resonant and non-resonant second-harmonic generation in a single cadmium sulfide nanowire”, X. Huang, S. Dai, P. Xu, Y. Wang, Q. Yang, Yong Zhang, and **Min Xiao**, *Chinese Optics Letters* **15**, 061901 (2017).
379. “Analysis of a triple-cavity photonic molecule based on coupled mode theory”, C. Yang, Y. Hu, X.S. Jiang, and **Min Xiao**, *Physical Review A* **95**, 033847 (2017).
378. “A covalently linked tetracene trimer: synthesis and singlet exciton fission property”, H. Liu, R. Wang, L. Shen, Y. Xu, **Min Xiao**, C.F. Zhang, and X. Li, *Organic Letters* **19**, 580-583 (2017).
377. “Demonstration of an ultra-low threshold phonon laser with coupled microtoroid resonators in vacuum”, G. Wang, M. Zhao, Y. Qin, Z. Yin, X.S. Jiang, and **Min Xiao**, *Photonics Research* **5**, 73 (2017).
376. “Controlled correlation and squeezing in Pr³⁺:YSO crystal”, C. Li, Z. Jiang, Y.Q. Zhang, Z.Y. Zhang, F. Wen, H. Chen, Y.P. Zhang, and **Min Xiao**, *Physical Review Applied* **7**, 014023 (2017).
375. “Two-dimensional Talbot self-imaging via electromagnetically induced lattice”, F. Wen, W. Wang, A. Irfan, H. Wang, Y.Q. Zhang, Y.P. Zhang, R.M. Abdul, and **Min Xiao**, *Scientific Reports* **7**, 41790 (2017).
374. “Realization of controllable photonic molecule based on three ultrahigh-Q microtoroid cavities”, C. Yang, X.S. Jiang, Q. Hua, S. Hua, Y. Chen, J. Ma, and **Min Xiao**, *Laser & Photonics Reviews* **11**, 1770021 (2017). Front Cover Article.
373. “Squeezing-enhanced fiber Mach-Zehnder interferometer for low-frequency phase measurement”, F. Liu, Y. Zhou, J. Yu, J. Guo, Y. Wu, S. Xiao, D. Wei, Yong Zhang, X.J. Jia, and **Min Xiao**, *Applied Physics Letters* **110**, 021106 (2017).
372. “Tunable diffraction-free array in nonlinear photonic crystal”, D. Liu, D. Wei, Yong Zhang, Z. Chen, R. Ni, B. Yang, X. Hu, Y. Qin, S.N. Zhu, and **Min Xiao**, *Scientific Reports* **7**, 40856 (2017).
371. “Transport properties in the photonic super-honeycomb lattice – a hybrid fermionic and bosonic system”, H. Zhong, Y.Q. Zhang, Y. Zhu, D. Zhang, C. Li, Y.P. Zhang, F. Li, M.R. Belic, and **Min Xiao**, *Annalen der Physik (Berlin)* **529**, No. 3, 1600258 (2017) / DOI 10.1002/andp.201600258. Front Cover.

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368. “On-chip optical nonreciprocity using an active microcavity”, X.S. Jiang, C. Yang, H. Wu, S. Hua, L. Chang, Y. Ding, Q. Hua, and **Min Xiao**, *Scientific Reports* **6**, 38972 (2016). DOI: 10.1038/srep38972
367. “11.4% efficiency non-fullerene polymer solar cells with trialkylsilyl-substituted 2D-conjugated polymer as donor”, H. Bin, L. Gao, Z. Zhang, Y. Yang, Y. Zhang, C.F. Zhang, S. Chen, L. Xue, C. Yang, **Min Xiao**, and Y.F. Li, *Nature Communications* **7**, 13651 (2016). DOI: 10.1038/ncomms13651
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365. “Slow Auger recombination of charged excitons in nonblinking Perovskite nanocrystals without spectral diffusion”, F. Hu, C. Yin, H. Zhang, C. Sun, W. Yu, C.F. Zhang, X.Y. Wang, Y. Zhang, and **Min Xiao**, *Nano Letters* **16**, 6425 (2016).
364. “Construction and nanoscale detection of interfacial charge transfer of elegant Z-scheme WO₃/Au/In₂S₃ nanowire arrays”, H. Li, Y. Gao, Y. Zhou, F. Fan, Q. Han, Q. Xu, X.Y. Wang, **Min Xiao**, C. Li, and Z. Zou, *Nano Letters*, **16**, 5547 (2016).
363. “Interacting photon pulses in Rydberg medium”, L. Yang, Bing He, J.H. Wu, Z.Y. Zhang, and **Min Xiao**, *Optica* **3**, 1095 (2016).
362. “Dynamical phonon laser in coupled active-passive microresonators”, Bing He, L. Yang, and **Min Xiao**, *Physical Review A* **94** Rapid Communications, 031802(R) (2016).
361. “Observation of parity-time symmetry in optically induced atomic lattices”, Z.Y. Zhang, Y.Q. Zhang, J. Sheng, L. Yang, M.A. Miri, D.N. Christodoulides, B. He, Y.P. Zhang and **Min Xiao**, *Physical Review Letters* **117**, 123601 (2016). Highlighted as a “Trending in PRL” article on PRL website.
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359. “Coherent optical phonon oscillation and possible electronic softening in WTe₂ crystals”, Bin He, C.F. Zhang, W. Zhu, Y. Li, S. Liu, X. Zhu, X. Wu, X.Y. Wang, H.H. Wen, and **Min Xiao**, *Scientific Reports* **6**, 30487 (2016).
358. “Control of atomic spin squeezing via quantum coherence”, X. Shao, Y. Ling, X.H. Yang, and **Min Xiao**, *Phys. Rev. A* **93**, 063825 (2016).
357. “Fractional nonparaxial accelerating Talbot effect”, Y.Q. Zhang, H. Zhong, M.R. Belic, C. Li, Z.Y. Zhang, F. Wen, Y.P. Zhang, and **Min Xiao**, *Optics Letters* **41**, 3273 (2016).
356. “Survival of the orbital angular momentum of light through an extraordinary optical transmission process in the paraxial approximation”, D.Z. Wei, Y. Wu, Y. Wang, D. Liu, Y. Zhu, D. Wei, Yong Zhang, and **Min Xiao**, *Optics Express* **24**, 12007 (2016).

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354. "Energy transfer of biexcitons in a single semiconductor nanocrystal", X. Huang, Q. Xu, C.F. Zhang, X.Y. Wang, and **Min Xiao**, *Nano Letters* **16**, 2492 (2016).
353. "Coherent acoustic phonons in $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{La}_{1/3}\text{Ca}_{2/3}\text{MnO}_3$ superlattices", W. Li, B. He, C.F. Zhang, S. Liu, X. Liu, S. Middey, J. Chakhalian, X.Y. Wang, and **Min Xiao**, *Applied Physics Letters* **108**, 132601 (2016).
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