CURRICULUM VITAE

Nicolas Yunes

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Statistics

Citizenship:	Argentinian/Spanish. U.S. Permanent Resident.
Civil Status:	Married to Jessica Lorien Raley ($9^{\rm th}$ August, 2008).

Education

August, 2008	The Pennsylvania State University Ph. D. in Physics. GPA: $3.99/4.0$.
May, 2003	Washington University in Saint Louis B. S. in Physics. Magna Cum Laude, GPA: $3.94/4.0$.

Professional Experience

2019-Present	Professor, Department of Physics, University of Illinois at Urbana-Champaign.
2016-2019	Associate Professor, Physics Department, Montana State University.
2011-2016	Assistant Professor, Physics Department, Montana State University.
2010-2011	Postdoctoral Fellow, MIT. Mentor: Dr. Scott Hughes
2008-2010	Research Associate, Princeton University. Supervisor: Dr. Frans Pretorius
2004-2007	Science Monitor, LIGO Hanford Observatory, WA.
2003-2008	Teaching & Research Assistant, Penn. State University, Physics Department.
2005	Visiting Scientist, University of Jena, Germany.
2002-2003	Undergraduate Research Assistant, Washington University Gravity Group.

Honors and Awards

2017	Fox Faculty Award for Outstanding Research, Scholarship, Creativity and Mentorship, Montana State University.
2015	General Relativity and Gravitation Young Scientist Prize, International Society on General Relativity and Gravitation, International Union of Applied Physics.
2014, 2016	Hugo Schmidt Colleague Award for Outstanding Faculty, Physics Department, MSU.
2013-2014	College of Letters and Science Fellow in Engagement, Montana State University.
2012-2015	KITP Scholar (Visiting Professorship), Kavli Institute for Theoretical Physics, UCSB.
2010	The Einstein Fellowship, NASA.
2010	The Jürgen Ehlers Thesis Prize, The International Society on General Relativity and Gravitation.
2009	Honorable Mention in the Grav. Wave Int. Committee Thesis Prize Competition.
2008	Represented Penn. State Univ. in the Nationwide Council of Graduate Schools Dissertation Award competition (finalist).
2008	Alumni Dissertation Award, Penn. State Univ.
2006	Blue Apple Award for Best Student Presentation, Midwest Relativity Meeting.
2003-2008	Mebus and Duncan Fellowship, Penn. State Univ.
2004	Outstanding Student Award, Univ. of Texas at Brownsville, Summer School.
2004	Excellence in Teaching Award, Penn. State Univ.
2003	Senior Physics Prize for Outstanding Performance, Wash. Univ. in St. Louis.

2002-2003	Dean's Honorary Scholarship and Mesmer Schoolarhip, Wash. Univ. in St. Louis.
2000-2003	Chancellor's List for 4.0 GPA, Wash. Univ. in St. Louis.
2002	Tau Beta Pi Engineering Honor Society, Golden Key Honor Society.

Professional Memberships

2002-Present	Member of the American Physical Society (APS).
2004-Present	Member of the International Society for General Relativity and Gravitation.
2003-2008	Member of the LIGO Scientific Collaboration.

Committee Service

Professional Level

2020-2021	Chair of the Division of Gravitation of the American Physical Society.
2019-2020	Chair-Elect of the Division of Gravitation of the American Physical Society.
2018-2019	Vice-Chair of the Division of Gravitation of the American Physical Society.
2018-2020	Co-Chair of the Fundamental Science Working Group of the International LISA Consortium.
2018-2021	Co-Chair of NASA's GWSIG and member of the Executive Committee of NASA's PhysPAG.
2017-2020	Member of the Scientific Editorial Board of Classical and Quantum Gravity.
2011-2014	Elected Member at Large, Topical Group on Gravitation of the APS.
2011-2014	Convenor of the Fundamental Physics Group of NASA's Gravitational Wave Science Analysis Group.
2010-Present	Reviewer for grant proposals in NSF Gravity (member), NASA ATP (member and chair), and NASA Einstein Fellowship (member).
2007-Present	Referee for Wiley, Cambridge University Press., Nature, Science, Phys. Rev. Letters, Phys. Rev. D, MNRAS, Nuclear Physics B, Class. and Quant. Gravity, International Journal of Modern Physics, Astrophysical Journal, the European Physical Journal, Journal of Cosmology and Astroparticle Physics, Physics Letters B.

University Level

2015-Present	Physics Department Graduate Admissions Committee (Member, Chair).
2015-Present	Physics Department Recruitment Committee (Chair, Member).
2016-Present	University High Performance Computing Cluster Committee (Member)
2018-2021	College of Letters and Sciences Promotion & Tenure Committee (Member)
2018-2021	College of Letters and Sciences Interdisciplinary Committee (Member)
2018-2021	Graduate School Council Committee (Member)
2017	University Diversity and Inclusion Committee (Member)
2011-2015	Library Committee (Chair)
2015-Present	Society of Physics Students (SPS) Faculty Adviser.

Professional Workshops Organized

2018	Principal Local Organizer of an international workshop on "Fundamental Physics with LISA" at the Galileo Galilei Institute, Florence Italy.
2017	Principal Local Organizer of an international workshop on "eXtreme Matter meets eXtreme Gravity" at MSU.
2015	Principal Local Organizer of an international workshop on "Extreme Gravity" at MSU.
2013	Principal Local Organizer of an international workshop on "Testing General Relativity in the Advanced Detector Era" at MSU.

Research Interests

Experimental Relativity.	Develop model-independent and model-specific tests of General Relativity with gravitational wave observations, binary pulsar observations and Solar System experiments.
Grav. Wave Modeling.	Construct accurate models for the gravitational waves emitted in the inspiral of black holes and neutron stars using post-Newtonian and black hole perturbation theory.
Black Hole Theory.	Find analytical and numerical black hole solutions and study their stability in well-motivated and observationally-viable, modified gravity theories.
Neutron Star Theory.	Study the approximately universal properties of the exterior gravitational field of neutron stars with different equations of states in General Relativity and in modified theories.

Funded Grant Activity

(Currently active grants are boldfaced)

Large Grants

2018-2021	**"The Extreme Gravity Dynamics and Gravitational Waves of Generic Compact Binary Inspirals," Gravity Program, NSF, PI,** $\mathbf{\$343,011}$.
2018-2021	**"Exploring Extreme Gravity with LISA: Developing a Science Case for Tests of General Relativity," NASA ATP, Co-PI,** $\mathbf{\$815,554}$.
2017-2020	**"Exploring Extreme Gravity: Neutron Stars, Black Holes and Gravitational Waves," NASA EPSCoR Program, Science PI,** $\mathbf{\$750,000}$.
2016-2019	**"Addressing key challenges in space gravitational wave astronomy," Astrophysics Research and Analysis Program, NASA, Co-PI,** $\mathbf{\$250,000}$.
2013-2018	"Gravitational Waves as Probes of Dynamical Strong-field Gravity," Faculty Early Career Development (CAREER) Program, NSF, PI, $\$500,000$.
2011-2014	"Probing Strong-field General Relativity with Gravitational Waves," Astrophysical Theory Program (ATP), NASA ROSES, Co-I, $\$296,869$.
2011-2014	"Probing Strong Gravity with Gravitational Waves," Gravity Program, NSF, PI, $\$150,000$.

Small Grants

2015-2016	Conference Support, Gravity Program, NSF, PI, $\$5,000$.
2014-2015	"The eXtreme Gravity Institute," President Research Award, MSU, PI, $\$50,000$.
2014-2015	"Einstein's Symphony," Education and Public Outreach Grant, American Physical Society, PI, $\$10,000$.
2013-2015	"Einstein's Symphony: A Gravitational Wave Voyage Through Space and Time," Educational Enhancement Grants, Montana Space Grant Consortium, NASA, PI, $\$50,000$.
2013-2014	Conference Support, Gravity Program, NSF, PI, $\$5,000$.
2011-2013	"Celebrating Einstein," Educational Enhancement Grants, Montana Space Grant Consortium, NASA, PI, $\$50,000$.

Teaching Activities

Classes Taught at MSU

Graduate Advanced Classical Mechanics, Fall 2012, Spring 2012, Fall 2013.
Graduate Advanced General Relativity I, Fall 2017.
Graduate Advanced General Relativity II, Spring 2013, Spring 2015.
Graduate Advanced General Relativity III, Spring 2016, Spring 2017
Graduate Quantum Field Theory, Spring 2014.
Undergraduate Honors Radical Creativity, Fall 2016, Spring 2018
Undergraduate Honors Freshman Physics, Fall 2015, Fall 2016, Fall 2017

Other Teaching Activities

2006-2009	Substitute or Invited Lecturer, Penn. State University, Princeton University, Haverford College.
2001-2003	Science Tutor, Washington University, Physics Department.
2001-2002	Observatory Assistant, Washington University, Physics Department.

Commitment to Diversity

University Service

2018-Present	Founding member of the Diversity Committee, Physics Department, MSU.
2014-2017	Chair of the Recruitment Committee, Physics Department, MSU.
2014-2015	Member of the Diversity Committee, University wide, MSU.
2017	Co-organizer of the APS Conference for Undergraduate Women in Physics, MSU.

Mentorship and Recruitment Trips

2018	Summer internship mentor of Jacob Stanton (African-American student from Brown).
2017	Co-organizer of the APS Conference for Undergraduate Women in Physics, MSU.
2016–Present	Research mentor of Latin-American graduate student (Alejandro Cárdenas-Avendaño).
2016–Present	Research mentor of Indian graduate students (Pratik Wagle, Toral Gupta).
2016–2017	Graduate adviser of Native American graduate student (Kyle Matt).
2011–Present	Research mentor of female graduate students (Katerina Chatziioannou, Toral Gupta, Laura Sampson, Sarah Vigeland).
2011–Present	Research mentor of female undergraduate students (Katie Chamberlain, Jaxen Godfrey).
2017	Latin-American Recruitment in Colombia (Bogotá, Medellín).
2007, 2018	Latin-American Recruitment in Argentina (Buenos Aires).

Advising and Mentoring

Current Undergraduate Students

2016-Present	Samuel Liebersbach, MSU. USP award.
2017-Present	Jaxen Godfrey, MSU. USP award, MSGC Apprenticeship award.
2017-Present	Reagan Cox, MSU.
2018-Present	Quentin Lucas, MSU.

Former Undergraduate Students

2011-2012	Brennan Ireland, MSU. Became grad student at RIT.
2012-2015	Devin Hansen, MSU. USP award, NSF Graduate Fellowship. Became a graduate student at the Perimeter Institute.
2015-2018	Katie Chamberlain, MSU. USP award, MSGC Apprenticeship. Became a graduate student at Arizona State University.
2016-2018	Harrison Gott, MSU. USP award. Currently applying for graduate school.

Current Graduate Students

2017-Present	Pratik Wagle, MSU.
2017-Present	Hung Tan, MSU.
2017-Present	Scott Perkins, MSU.
2016-Present	Alejandro Cárdenas-Avendaño, MSU.
2016-Present	Blake Moore, MSU.
2014-Present	Andrew Sullivan, MSU.
2013-Present	Alex Saffer, MSU.

Former Graduate Students

2014-2018	David Anderson, MSU. Became employed at Raytheon Industries.
2012-2018	Nicholas Loutrel, MSU. Became postdoc at Princeton U.
2012-2017	Dimitry Ayzenberg, MSU. Became postdoc in Fudan, China.
2011-2016	Katerina Chatziioannou, MSU. Onassis Fellow. Became CITA Fellow
2011-2014	Laura Sampson, MSU, co-advised with Prof. Cornish. Became postdoc at CIERA.
2010-2011	Leo C. Stein, MIT, co-advised with Prof. Hughes. Became Burke fellow at Caltech.
2010-2011	Sarah Vigeland, MIT, co-advised with Prof. Hughes. Became postdoc at UWM.

Prospective Graduate Students

2018-Present	Caroline Owen, MSU.
2018-Present	Ryan Hatch, MSU.
2018-Present	Alex Deich, MSU.
2018-Present	Alex Chinchilli, MSU.
2018-Present	Rohit Chandramouli, MSU.
2018-Present	Toral Gupta, MSU.

Current Postdoctoral Associates

2017-2020	Hector Okada-Da Silva, MSU
2014-2016	Remya Nair, MSU.

Former Postdoctoral Associates

2014-2016	Barun Majumder, MSU. Fullbright Fellow
2014-2015	Laura Sampson, MSU. Became L'Oreal Fellow and CIERA Fellow.
2011-2015	Kent Yagi, MSU. Became JSPS Fellow at Princeton and then Asst. Prof. at UVA.
2011-2014	Antoine Klein, MSU, co-advised with Prof. Cornish. Became postdoc at IAS d'Paris.

Outreach Events and Informal Education

2019–2020 **Rhythms of the Universe II**, Creator and Principal Organizer. Interdisciplinary, outreach event, similar to part I in 2013–2014, but expanded to include more physics outreach.

2019 **Overcome**, Creator and Producer, Bozeman, Montana.
Art Installation of successful university faculty that have overcome difficulties.

2017 **Einstein's Playlist**, Creator, Producer and Script Writer, Bozeman, Montana.
Original planetarium show. Distributed freely and made available to all planetaria in the world.
Attendance at Premier: 110 with outreach activities developed and organized.

2017 **Astronomy on Tap**, Invited Speaker, Bozeman, Montana.

2016-2019 **NASA Summer Camp**, Content Advisor, Bozeman, Montana. Summer camp for K-12 students from low-income and rural areas in Montana.
Assisted graduate students in developing curriculum for gravity session at camp.
Attendance: 100 students, activities posted online.

2016 **Wonderlust Sidetrip**, Invited Speaker, Bozeman, Montana.

2015 **Sunrise Rotary Meeting**, Invited Speaker, Bozeman, Montana.

2013-2014 **Rhythms of the Universe I**. Creator and Principal Organizer. Interdisciplinary, outreach event with the MSU English Dept. and the MSU Performing Arts Dept.
Undergraduate students were coached in physics, astronomy and english to encourage to write original spoken-word poetry that used astrophysics as metaphorical tools. Event performed at the Emerson Cultural Center. Attendance: 1000 people, recorded by PBS.

2013 **TEDxBozeman**, Invited Speaker, Bozeman, Montana.

2012-Present **Physics Bowl**. Creator and Organizer. Physics competition between teams composed of undergraduates, graduate students and postdoctoral researchers.
Enhances spirit of collaboration and camaraderie in the department.

2011-Present **STEM Mentor**. Served as mentor to K-12 students in Park High School, Livingston MT

2010-2014 **Celebrating Einstein**. Creator and PI. Interdisciplinary, mega-outreach event with the MSU School of Music, College of Letters and Sciences, College of Arts and Architecture, UCLA and Princeton. Redone in Texas (UTB) and Cambridge (MIT), with impact on over 70,000 people.
1. Speaking of Einstein. Lecture Series. Four internationally renown scientists explained Einstein and his theories to the general public.
2. Black (W)hole. Immersive art installation that conveyed the excitement of accretion disks, black holes and gravitational waves.
3. A Shout Across Time. Multimedia show with a danced lecture, featuring a *Cirque du Soleil* aerialist, a commissioned music composition and film, featuring the scientific visualization of black hole collisions and the sounds of gravitational waves, as well as a live interview with a world-renown scientist.
4. Einstein in the Schools. Presentations on Einstein's theory of General Relativity and astrophysical phenomena, like black holes and the neutron stars to K-12 schools.

List of Selected Presentations

Plenary Talks at Conferences and Workshops

- Greek Relativity Meeting, International Conference, Rhodes Greece, 2018.
- Spanish-Portuguese Relativity Meeting, International Conference, Palencia Spain, 2018.
- LISA Symposium, International Conference, Chicago, 2018.
- Numerical Relativity beyond General Relativity, International Workshop, Benasque Spain, 2018.
- Gravity and Cosmology 2018, International Workshop, Kyoto Japan, 2018.
- International Conference on Quantum Gravity, International Conference, Shenzhen China, 2018.
- New Frontiers in Gravitational-Wave Astrophysics, International Conference, Rome Italy, 2017.
- The Strong Gravity Universe, International Workshop, Azores Portugal, 2017.
- Quantum Vacuum and Gravitation, International Workshop, Germany, 2017.
- Strong Bad, Workshop, Ole' Miss, 2017.
- Experimental Search for Quantum Gravity, International Workshop, Germany, 2016.
- Physics at the Extreme, International Conference, Penn State, 2016.
- Seventh Meeting on CPT and Lorentz Symmetry, International Conference, Germany, 2016.
- GR@100, International Conference, Princeton Center for Theoretical Physics, Princeton, 2016.
- Cosmological Frontiers in Fundamental Physics, International Workshop, Perimeter Institute, 2016.
- Gravity and Experiment, International Workshop, Paris, 2016.
- Testing Gravity 2015, Workshop, Vancouver, Canada, 2015.
- Cosmological Frontiers in Fundamental Physics, Workshop, Paris, France, 2014.
- Testing General Relativity, Workshop, Ole' Miss, Oxford, Mississippi, 2014.
- YKIS 2013, Conference, Kyoto Japan, 2013.
- Strong Gravity Workshop, Lisbon Portugal, 2013.
- LISA Symposium, Conference, Paris France, 2012.
- Sackler Conference, Cambridge MA, 2012.
- Rattle and Shine: Gravitational Wave and Electromagnetic Studies of Compact Binary Mergers, KITP Workshop, Santa Barbara, 2012.
- NR-HEP Workshop, Portugal, 2011.
- JGRG Conference, Japan, 2011.
- GWPAW Conference, Milwaukee, 2011.
- CAPRA-NRDA Workshop, Perimeter Institute, Canada, 2010.
- Astro-GR Workshop, Paris, France, 2010.

Departamental Colloquia

- Departamento de Física, Universidad de Medellín, Medellín, Colombia, 2018.
- Departamento de Física, Universidad de Bogotá, Bogotá, Colombia, 2018.
- Physics Department, University of Virginia, 2018.
- Physics Department, University of Florida, 2016.
- Physics Department, Columbia University, 2015.
- Physics Department, MSU, 2013.
- DAMPT, University of Cambridge, 2012.
- Astrophysics Department, Northwestern University, 2011.
- Physics Department, MSU, 2010.

Invited Talks at Conferences

- International Conference on General Relativity (GR21), New York, 2016.
- General Relativity & Gravitation: A Centennial Perspective, International Conference, Penn State, 2015.
- Canadian Association of Physicists National Congress, Edmonton, Canada, 2015.
- Theory Canada Conference, Calgary, Canada, 2015.
- April APS Meeting, Savannah, Georgia, 2014.
- Experimental Search for Quantum Gravity Conference, Perimeter Institute, Canada 2012.
- April APS Meeting, Atlanta, Georgia, 2012.

Invited Talks at Universities

- Mathematics Seminar, University of Michigan, 2017.
- High Energy Astrophysics Seminar, Johns Hopkins University, 2017.
- High Energy Physics Seminar, Brown University, 2017.
- Space Science Seminar, NASA Marshal Space Flight Center, 2017.
- Gravity Seminar, University of Wisconsin-Milwaukee, 2015.
- Nuclear Theory Seminar, Institute for Nuclear Theory, 2015.
- HEP Seminar, Penn State, 2014.
- APC, University of Paris, Paris, France, 2013.
- IAP/general relativityECO Seminar, Institute of Astrophysics, Paris, France, 2005, 2013.
- TAPIR Seminar, Caltech, 2010, 2013, 2014.
- ITC-Cfa Seminar, Harvard University, 2009, 2013.
- Joe Henry Lunch Seminar, Princeton University, 2012, 2014.
- GR and Astrophysics Seminar, University of Illinois – Urbana-Champagne, 2011.
- CCRG Seminar, Rochester Institute of Technology, 2011.

- Gravity Seminar, Princeton University, 2008, 2009.
- Nuclear and Particle Seminar, MIT, MA, 2007.

Invited Lecturer at Summer Schools

- Summer School at Testing Gravity '19, Invited Lecturer, Vancouver Canada, 2019.
- Summer School on Gravitational Waves, Invited Lecturer, Kyoto Japan, 2015.

Contributed Talks

- April APS Meeting, Conference, Columbus, Ohio, 2018.
- April APS Meeting, Conference, Washington DC, 2017.
- April APS Meeting, Conference, Baltimore, Maryland, 2015.
- Relativity and Astrophysics Seminar, Montana State University, 2013.
- April APS Meeting, Conference, Denver, Colorado, 2013.
- Relativity and Astrophysics Seminar, Montana State University, 2012.

Presentations by Students and Postdoctoral Researchers

- *Invited Presentations*
  - Hector Okada-Da Silva, APS April meeting (2019).
  - Kent Yagi, workshops in Germany (2015), Indiana (2014), Seattle (2014) and Japan (2012), and conferences in Japan (2014) and in India (2012).
  - Laura Sampson, seminars at UWM, Northwestern U. , RIT, U. Mass. Amherst and MIT (2014), colloquium at U. T. Brownsville (2014)
- *Contributed Presentations*
  - Kent Yagi, APS April Meeting (2013, 2014, 2015), workshops in Mississippi (2014) and in Japan (2012, 2013), and conferences in Poland (2013) and Sweden (2012).
  - Barun Majumder, April APS (2016).
  - Laura Sampson, April APS (2015).
  - Katerina Chatziioannou, APS April Meeting (2013, 2014, 2015, 2016).
  - Nicholas Loutrel, APS April Meeting (2014, 2015, 2016).
  - David Anderson, APS April Meeting (2017, 2018).
  - Andrew Sullivan, APS April Meeting (2018).
  - Alex Saffer, APS April Meeting (2018).
  - Dimitry Ayzenberg, APS April Meeting (2014, 2015, 2016).
  - Katie Chamberlain, APS April Meeting (2017, 2018).
  - Harrison Gott, APS April Meeting (2018).
  - Samuel Liebersbach, APS April Meeting (2018).
  - Joe Bretz, APS April Meeting (2016).
  - Devin Hansen, APS April Meeting (2014, 2015).

List of Publications[1]

(postdoctoral and student mentees during publication appear in italics)

1. **"Can we probe Planckian corrections at the horizon scale with gravitational waves?"**
   A. Addazi, A. Marciano and N. Yunes.
   Submitted to Classical and Quantum Gravity [http://inspirehep.net/record/1700199]

2. **"The Eccentric Behavior of Inspiraling Compact Binaries"**
   N. Loutrel, *S. Liebersbach*, N. Yunes and N. Cornish.
   Submitted to Classical and Quantum Gravity [http://inspirehep.net/record/1697330]

3. **"An Entropy-Area Law for Neutron Stars Near the Black Hole Threshold"**
   S. H. Alexander, K. Yagi and N. Yunes.
   Accepted to Classical and Quantum Gravity [http://inspirehep.net/record/1696718]

4. **"Frequency-domain waveform approximants capturing Doppler shifts"**
   K. Chamberlain, C. J. Moore, D. Gerosa and N. Yunes.
   Submitted to Classical and Quantum Gravity [http://inspirehep.net/record/1693817]

5. **"Observing the Shadows of Stellar-Mass Black Holes with Binary Companions"**
   H. Gott, D. Ayzenberg, N. Yunes and A. Lohfink.
   Accepted to Classical and Quantum Gravity [http://inspirehep.net/record/1688669]

6. **"Hidden-Sector Modifications to Gravitational Waves From Binary Inspirals"**
   S. Alexander, E. McDonough, R. Sims and N. Yunes.
   Accepted to Classical and Quantum Gravity [http://inspirehep.net/record/1687843]

7. **"Neutron star pulse profiles in scalar-tensor theories of gravity"**
   H. O. Silva and N. Yunes.
   Submitted to the Physical Review D [http://inspirehep.net/record/1687157]

8. **"Black Hole Shadow as a Test of General Relativity: Quadratic Gravity"**
   D. Ayzenberg and N. Yunes.
   Accepted to Classical and Quantum Gravity [http://inspirehep.net/record/1683523]

9. **"Angular Momentum Loss for a Binary System in Einstein-Æther Theory"**
   A. Saffer and N. Yunes.
   Accepted to Classical and Quantum Gravity [http://inspirehep.net/record/1683449]

10. **"A Fourier Domain Waveform for Non-Spinning Binaries with Arbitrary Eccentricity"**
    B. Moore, T. Robson, *N. Loutrel* and N. Yunes.
    Accepted for publication in Classical and Quantum Gravity. Selected for *CQG Highlights*
    [http://inspirehep.net/record/1683137]

11. **"Spin-Precessing Black Hole Binaries in Dynamical Chern-Simons Gravity"**
    N. Loutrel, T. Tanaka and N. Yunes.
    Phys. Rev. D **98**, no. 6, 064020 (2018) [http://inspirehep.net/record/1678743]

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[1] *Statistics*. Total of 155 papers: 1 famous paper (250-499 citations), 9 very well-known papers (100-249 citations), and 29 well-known papers (50-99 citations), 4 review papers, 9 conference proceedings and 1 general physics article. Total of 5,567 citations with an h-index of 45 (excluding papers in large collaborations, like LIGO and the LSC), as calculated by inspirehep.net using the total number of papers submitted. See caveats at: http://inspirehep.net/help.

12. **"Scalar Tops and Perturbed Quadrupoles: Probing Fundamental Physics with Spin-Precessing Binaries"**
N. Loutrel, T. Tanaka and N. Yunes.
Submitted to Classical and Quantum Gravity Letters. [http://inspirehep.net/record/1678648]

13. **"The exact dynamical Chern-Simons metric for a spinning black hole possesses a fourth constant of motion: A dynamical-systems-based conjecture"**
A. Cárdenas-Avendaño, A. F. Gutierrez, L. A. Pachón and N. Yunes.
Class. Quant. Grav. **35**, no. 16, 165010 (2018). Selected for *CQG Highlights*
[http://inspirehep.net/record/1667219]

14. **"Nature Abhors a Circle"**
N. Loutrel, *S. Liebersbach*, N. Yunes and N. Cornish.
Submitted to Classical and Quantum Gravity Letters [http://inspirehep.net/record/1650905]

15. **"Extreme Gravity Tests with Gravitational Waves from Compact Binary Coalescences: (II) Ringdown"**
E. Berti, K. Yagi, H. Yang and N. Yunes.
Gen. Rel. Grav. **50**, no. 5, 49 (2018) [http://inspirehep.net/record/1647541]

16. **"Extreme Gravity Tests with Gravitational Waves from Compact Binary Coalescences: (I) Inspiral-Merger"**
E. Berti, K. Yagi and N. Yunes.
Gen. Rel. Grav. **50**, no. 4, 46 (2018) [http://inspirehep.net/record/1647351]

17. **"Constraining alternative theories of gravity using pulsar timing arrays"**
N. J. Cornish, *L. O'Beirne*, S. R. Taylor and N. Yunes.
Phys. Rev. Lett. **120**, no. 18, 181101 (2018) [http://inspirehep.net/record/1644341]

18. **"Gravitational Waves Probes of Parity Violation in Compact Binary Coalescence"**
S. H. Alexander and N. Yunes.
Phys. Rev. D **97**, no. 6, 064033 (2018) [http://inspirehep.net/record/1641220]

19. **"The Gravitational Wave Stress-Energy (pseudo)-Tensor in Modified Gravity"**
A. Saffer, N. Yunes and K. Yagi.
Class. Quant. Grav. **35**, no. 5, 055011 (2018) [http://inspirehep.net/record/1632161]

20. **"I-Love-Q Relations for Neutron Stars in dynamical Chern Simons Gravity"**
T. Gupta, *B. Majumder*, K. Yagi and N. Yunes.
Class. Quant. Grav. **35**, no. 2, 025009 (2018). Editor's Suggestion [http://inspirehep.net/record/1631933]

21. **"Gravitational Waves and Their Mathematics"**
L. Bieri, D. Garfinkle and N. Yunes.
AMS Notices, Vol. 64, Issue 07, 2017, (August issue 2017)
[http://www.ams.org/publications/journals/notices/201707/rnoti-p693.pdf]

22. **"I-Love-Q to the extreme"**
H. O. Silva and N. Yunes.
Class. Quant. Grav. **35**, no. 1, 015005 (2018) [http://inspirehep.net/record/1628370]

23. **"Slowly-Rotating Neutron Stars in Massive Bigravity"**
A. Sullivan and N. Yunes.
Class. Quant. Grav. **35**, no. 4, 045003 (2018) [http://inspirehep.net/record/1622727]

24. **"Gravitational wave spectroscopy of binary neutron star merger remnants with mode stacking"**
H. Yang, V. Paschalidis, K. Yagi, L. Lehner, F. Pretorias and N. Yunes.
Phys. Rev. D **97**, 024049 (2018) [arXiv:1707.00207 [gr-qc]]

25. **"Gravitational wave memory in ΛCDM cosmology"**
L. Bieri, D. Garfinkle and N. Yunes.
Class. Quant. Grav. **34**, no. 21, 215002 (2017) [arXiv:1706.02009 [gr-qc]]

26. **"Solar System Constraints on Scalar-Tensor Gravity with Positive Coupling Constant upon Cosmological Evolution of the Scalar Field"**
D. Anderson and N. Yunes.
Phys. Rev. D **96**, no. 6, 064037 (2017) [arXiv:1705.06351 [gr-qc]]

27. **"Theoretical Physics Implications of Gravitational Wave Observation with Future Detectors"**
K. Chamberlain and N. Yunes.
Phys. Rev. D **96**, no. 8, 084039 (2017) [arXiv:1704.08268 [gr-qc]]

28. **"Cosmological Evolution and Solar System Consistency of Massive Scalar-Tensor Gravity"**
T. A. de Pirey Saint Alby and N. Yunes.
Phys. Rev. D **96**, no. 6, 064040 (2017) [arXiv:1703.06341 [gr-qc]]=

29. **"Constructing Gravitational Waves from Generic Spin-Precessing Compact Binary Inspirals"**
K. Chatziioannou, A. Klein, N. Yunes and N. Cornish.
Phys. Rev. D **95**, no. 10, 104004 (2017) [arXiv:1703.03967 [gr-qc]]

30. **"Eccentric Gravitational Wave Bursts in the Post-Newtonian Formalism"**
N. Loutrel and N. Yunes.
Class. Quant. Grav. **34**, no. 13, 135011 (2017). Selected for *CQG Highlights* [arXiv:1702.01818 [gr-qc]]

31. **"Black Hole Continuum Spectra as a Test of General Relativity: Quadratic Gravity"**
D. Ayzenberg and N. Yunes.
Class. Quant. Grav. **34**, no. 11, 115003 (2017) [arXiv:1701.07003 [gr-qc]]

32. **"Black hole spectroscopy with coherent mode stacking"**
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