

Date: Feb 2023

RESUME

1. PERSONAL DETAILS

Full Name: Tal Carmon

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2. ACADEMIC DEGREES

- B.Sc. (Cum Laude), 1995, Mechanical Engineering, Technion.
- M.Sc., 1999, Physics, Technion, Atmospheric Scattering Effect on Spatial Resolution, Uri Oppenheim
- Ph.D., 2004, Physics, Technion, Nonlinear Optics and Solitons, Mordechai Segev.

3. ACADEMIC APPOINTMENTS

- 2003-2007, Postdoctoral Scholar, Applied Physics, Caltech at Kerry Vahala's group.
- 2007-2013, Assistant Professor, Electrical Engineering and Computer Science, Physics, University of Michigan at Ann Arbor.
- 2013, Associate Professor with tenure, Electrical Engineering and Computer Science, Physics, University of Michigan at Ann Arbor.
- 2013 to 2020, Associate Professor with tenure, Mechanical Engineering, Technion, Israel Ins. of Technology.
- 2020 to date, Full Professor, Tel Aviv University, School of Electrical Engineering.

4. PROFESSIONAL EXPERIENCE (outside academia)

- 1995-1999, Graduate Research Fellow, R&D of adaptive camouflage, Electro-Optics Unit, Israel Institute of Technology.
- 2009 to date, Chief Technology Officer, KA Dynamic Color, Haifa, Israel

5. RESEARCH INTERESTS

Resonantly enhancing light-matter interactions in new phases of matter; among them plasma and liquids.

Operating at regimes where new phenomena show themselves. Among them

- Optical excitation, interrogation, and cooling of mechanical- and capillary-resonances.
- Water-wave lasers.
- Nano-flying photonics that enables irreversible refractive index.
- Nano-mechanics and optical microcavities with plasmas, gasses, and liquids.

6. FELLOWSHIPS, AWARDS AND HONORS

- 1999, *Eshkol Excellence Scholarship*, Awarded to the top 25 Israeli graduate students country-wide in all sciences and engineering.
- 2004, *Rothschild Fellowship*, Awarded to the top 8 Israeli postdoctoral students country-wide in all sciences and engineering
- 2005, *Center for the Physics of Information Postdoctoral Fellowship*, Caltech.

- 2010, *US Air Force Young Investigator Award*. Given to the top 38 US young faculty in all science and engineering.
- 2018, *Henry Taub Prize for Academic Excellence*.
- 2020, *Fellow of the Optical Society of America*, For impacting optical-interaction sciences by introducing hybrid micro-cavities where light exchange energy with mechanical vibrations, sound, water waves, or plasma.

7. PUBLICATIONS

Refereed papers in professional journals

Published papers

1. Carmon, T., Anastassiou, C., Lan, S., Kip, D., Musslimani, Z. H., Segev, M. & Christodoulides, D. *Observation of two-dimensional multimode solitons*. ***Optics Letters*** **25**, 1113–1115 (2000). (54, 3.866, Q1)
2. Carmon, T., Uzdin, R., Pigier, C., Musslimani, Z. H., Segev, M. & Nepomnyashchy, A. *Rotating Propeller Solitons*. ***Physical Review Letters*** **87**, 143901-143904 (2001). (49, 9.227, Q1)
3. Pigier, C., Uzdin, R., Carmon, T., Segev, M., Nepomnyashchy, A. & Musslimani, Z. H. *Collisions between (2+1)D rotating propeller solitons*. ***Optics Letters*** **26**, 1577–1579 (2001). (10, 3.866, Q1)
4. Carmon, T., Uzdin, R., Pigier, C., Musslimani, Z. H., Segev, M. & Nepomnyashchy, A. *Rotating propeller solitons*. ***Optics and Photonics News*** **12**, 61–62 (2001).
5. Anastassiou, C., Fleischer, J. W., Carmon, T., Segev, M. & Steiglitz, K. *Information transfer via cascaded collisions of vector solitons*. ***Optics Letters*** **26**, 1498–1500 (2001). (47, 3.866, Q1)
6. Schwartz, T., Ganor, Y., Carmon, T., Uzdin, R., Shwartz, S., Segev, M. & El-Hanany, U. *Photorefractive solitons and light-induced resonance control in semiconductor CdZnTe*. ***Optics Letters*** **27**, 1229–1231 (2002). (22, 3.866, Q1)
7. Cohen, O., Uzdin, R., Carmon, T., Fleischer, J. W., Segev, M. & Odouov, S. *Collisions between optical spatial solitons propagating in opposite directions*. ***Physical Review Letters*** **89**, 229901-229904 (2002). (74, 9.227, Q1)
8. Cohen, O., Lan, S., Carmon, T., Giordmaine, J. A. & Segev, M. *Spatial vector solitons consisting of counterpropagating fields*. ***Optics Letters*** **27**, 2013-2018 (2002). (40, 3.866, Q1)

9. Fleischer, J. W., Efremidis, N. K., Carmon, T., Christodoulides, D. N. & Segev, M. *Solitons in optically induced nonlinear photonic lattices. **Optics and Photonics News** 13, 49 (2002).*
10. Carmon, T., Soljačić, M. & Segev, M. *Pattern formation in a cavity longer than the coherence length of the light in it. **Physical Review Letters** 89, 183902-183906 (2002).* (23, 9.227, Q1)
11. Cohen, O., Carmon, T., Segev, M. & Odoulov, S. *Holographic solitons. **Optics Letters** 27, 2031-2038 (2002).* (83, 3.866, Q1)
12. Freedman, B., Carmon, T., Carvalho, M. I., Segev, M. & Christodoulides, D. N. *Observation of Locked Optical Kink-Antikink Spatial Shock Waves. **Physical Review Letters** 91, 133902-133906 (2003).* (5, 9.227, Q1)
13. Fleischer, J. W., Carmon, T., Segev, M., Efremidis, N. K. & Christodoulides, D. N. *Observation of discrete solitons in optically induced real time waveguide arrays. **Physical Review Letters** 90, 023902-023906 (2003).* (472, 9.227, Q1)
14. Buljan, H., Soljačić, M., Carmon, T. & Segev, M. *Cavity pattern formation with incoherent light. **Physical Review E - Statistical, Nonlinear, and Soft Matter Physics** 68, 016616-016621 (2003).* (14, 2.353, Q2)
15. Carmon, T., Buljan, H., Soljačić, M. & Segev, M. *Pattern Formation in Optical Cavities with Incoherent Light. **Optics and Photonics News** 14, 40 (2003).*
16. Schwartz, T., Fleischer, J. W., Cohen, O., Buljan, H., Segev, M. & Carmon, T. *Pattern formation in a ring cavity with temporally incoherent feedback. **Journal of the Optical Society of America B: Optical Physics** 21, 2197-2201 (2004).* (3, 2.284, Q2)
17. Rotschild, C., Cohen, O., Manela, O., Carmon, T. & Segev, M. *Interactions between spatial screening solitons propagating in opposite directions. **Journal of the Optical Society of America B: Optical Physics** 21, 1354-1358 (2004).* (34, 2.284, Q2)
18. Katz, O., Carmon, T., Schwartz, T., Segev, M. & Christodoulides, D. N. *Observation of elliptic incoherent spatial solitons. **Optics Letters** 29, 1248-1252 (2004).* (23, 3.866, Q1)
19. Carmon, T., Buljan, H. & Segev, M. *Spontaneous pattern formation in a cavity with incoherent light. **Optics Express** 12, 3481-3486 (2004).* (9, 3.531, Q1)

 ** A movie from this article has featured on the cover of the 15th issue of Optics express, Volume 12
20. Carmon, T., Yang, L. & Vahala, K. *Dynamical thermal behavior and thermal self-stability of microcavities. **Optics Express** 12, 4742-4750 (2004).* (446, 3.531, Q1)
21. Schwartz, T., Carmon, T., Buljan, H. & Segev, M. *Spontaneous Pattern Formation with Incoherent White Light. **Physical Review Letters** 93, 223901-223905 (2004).* (44, 9.227, Q1)

 * See commentary on this article in the Physics Update section of Physics Today, December 2004 issue.(15)
22. Buljan, H., Bartal, G., Cohen, O., Schwartz, T., Manela, O., Carmon, T., Segev, M.,

- Fleischer, J. W. & Christodoulides, D. N. *Partially coherent waves in nonlinear periodic lattices*. **Studies in Applied Mathematics** **115**, 173-179 (2005). (14, 2.419m Q1)
23. Cohen, O., Bartal, G., Buljan, H., Carmon, T., Fleischer, J. W., Segev, M. & Christodoulides, D. N. *Observation of random-phase lattice solitons*. **Nature** **433**, 500-5004 (2005). (77, 43.07, Q1)
 24. Carmon, T., Rokhsari, H., Yang, L., Kippenberg, T. J. & Vahala, K. J. *Temporal behavior of radiation-pressure-induced vibrations of an optical microcavity phonon mode*. **Physical Review Letters** **94**, 223902-223906 (2005). (351, 9.227, Q1)
 25. Kippenberg, T. J., Rokhsari, H., Carmon, T., Scherer, A. & Vahala, K. J. *Analysis of radiation-pressure induced mechanical oscillation of an optical microcavity*. **Physical Review Letters** **95**, 033901-033905 (2005). (483, 9.227, Q1)
 26. Yang, L., Carmon, T., Min, B., Spillane, S. M. & Vahala, K. J. *Erbium-doped and Raman microlasers on a silicon chip fabricated by the sol-gel process*. **Applied Physics Letters** **86**, 091114-091119 (2005). (116, 3.521, Q1)
 27. Rokhsari, H., Kippenberg, T. J., Carmon, T. & Vahala, K. J. *Radiation-pressure-driven micro-mechanical oscillator*. **Optics Express** **13**, 5293-5297 (2005). (173, 3.531, Q1)
 28. Carmon, T., Kippenberg, T. J., Yang, L., Rokhsari, H., Spillane, S. & Vahala, K. J. *Feedback control of ultra-high-Q microcavities: Application to micro-Raman lasers and microparametric oscillators*. **Optics Express** **13**, 3558-3562 (2005). (41, 3.531, Q1)
 29. Rotschild, C., Cohen, O., Manela, O., Segev, M. & Carmon, T. *Solitons in Nonlinear Media with an Infinite Range of Nonlocality: First Observation of Coherent Elliptic Solitons and of Vortex-Ring Solitons*. **Physical Review Letters** **95**, 313904-313908 (2005). (443, 9.227, Q1)
 30. Rokhsari, H., Kippenberg, T. J., Carmon, T. & Vahala, K. J. *Theoretical and experimental study of radiation pressure-induced mechanical oscillations (parametric instability) in optical microcavities*. **IEEE Journal on Selected Topics in Quantum Electronics** **12**, 96–107 (2006). (60, 4.681, Q1)
 31. Carmon, T., Wang, S. Y. T., Ostby, E. P. & Vahala, K. J. *Wavelength-independent coupler from fiber to an on-chip cavity, demonstrated over an 850nm span*. **Optics Express** **15**, 7677-7681 (2007). (19, 3.531, Q1)
 32. Carmon, T. & Vahala, K. J. *Modal spectroscopy of optoexcited vibrations of a micron-scale on-chip resonator at greater than 1 GHz frequency*. **Physical Review Letters** **98**, 123901-123905 (2007). (78, 9.227, Q1)

** See also on the cover of Physical Review Letters.

** See also News and views section in Nature Photonics.

33. Carmon, T., Cross, M. C. & Vahala, K. J. *Chaotic quivering of micron-scaled on-chip resonators excited by centrifugal optical pressure*. **Physical Review Letters** **98**, 167203-167207 (2007). (94, 9.227, Q1)
34. Carmon, T. & Vahala, K. J. *Visible continuous emission from a silica microphotonic*

device by third-harmonic generation. *Nature Physics* **3**, 430–435 (2007). (184, 20.113, Q1)

** See also News and views section in Nature Physics

35. Carmon, T., Schwefel, H. G. L., Yang, L., Oxborrow, M., Stone, A. D. & Vahala, K. J. *Static envelope patterns in composite resonances generated by level crossing in optical toroidal microcavities*. *Physical Review Letters* **100**, 103905-103909 (2008). (53, 9.227, Q1)
 36. Tmes, M*, Vahala, K. J. & Carmon, T. *Direct imaging of tunneling from a potential well*. *Optics express* **17**, 19160–19165 (2009). (15, 3.531, Q1)
 37. Tmes, M*. & Carmon, T. *Photonic micro-electromechanical systems vibrating at X-band (11-GHz) rates*. *Physical Review Letters* **102**, 113601-113605 (2009). (187, 9.227, Q1)
- ** also selected for the March 30, 2009 issue of Virtual Journal of Nanoscale Science and Technology
- ** See also News and views section in Science.
38. Rotschild, C., Tmes, M.*, Mendoza, H., Andrew, T. L., Swager, T. M., Carmon, T. & Baldo, M. A. *Cascaded energy transfer for efficient broad-band pumping of high-quality, micro-lasers*. *Advanced Materials* **23**, 3057-3062 (2011). (11, 25.809, Q1)
 39. Lu, T., Yang, L., Carmon, T. & Min, B. *A narrow-linewidth on-chip toroid raman laser*. *IEEE Journal of Quantum Electronics* **47**, 320–326 (2011). (18, 2.753, Q2)
 40. Moore, J.*, Tmes, M*, Carmon, T. & Jarrahi, M. *Continuous-wave cascaded-harmonic generation and multi-photon Raman lasing in lithium niobate whispering-gallery resonators*. *Applied Physics Letters* **99**, 221111-221115 (2011). (13, 3.521, Q1)
 41. Tmes, M.*, Marquardt, F., Bahl, G*. & Carmon, T. *Quantum-mechanical theory of optomechanical Brillouin cooling*. *Physical Review A - Atomic, Molecular, and Optical Physics* **84**, 063806-063811 (2011). (18, 2.907, Q2)
 42. Zehnpfennig, J.*, Bahl, G.*, Tmes, M.* & Carmon, T. *Surface optomechanics: calculating optically excited acoustical whispering gallery modes in microspheres*. *Optics express* **19**, 14240–14248 (2011). (18, 3.531, Q1)
 43. Moore, J.*, Tmes, M.*, Carmon, T. & Jarrahi, M. *Continuous-wave ultraviolet emission through fourth-harmonic generation in a whispering-gallery resonator*. *Optics Express* **19**, 24139-24144 (2011). (30, 3.531, Q1)
 44. Bahl, G.*, Zehnpfennig, J.*, Tmes, M.* & Carmon, T. *Stimulated optomechanical excitation of surface acoustic waves in a microdevice*. *Nature communications* **2**, 403-408 (2011). (124, 11.878, Q1)
 45. Zhang, X.*, Tmes, M.* & Carmon, T. *Precession optomechanics*. *Optics express* **19**, 9066–9073 (2011). (8, 3.531, Q1)
 46. Kozlov, M., Kfir, O., Fleischer, A., Kaplan, A.*, Carmon, T., Schwefel, H. G. L., Bartal, G. & Cohen, O. *Narrow-bandwidth high-order harmonics driven by long-duration hot spots*. *New Journal of Physics* **14**, 063036-063042 (2012). (4, 3.783, Q1)

47. Bahl, G.*, Fan, X. & Carmon, T. *Acoustic whispering-gallery modes in optomechanical shells.* **New Journal of Physics** **14**, 115026-115031 (2012). (16, 3.626, Q1)
48. Bahl, G.*, Tomes, M.*, Marquardt, F. & Carmon, T. *Observation of Spontaneous Brillouin Cooling.* **Nature Physics** **8**, 203–207 (2012). (140, 20.113, Q1)
- * Featured in Nature Physics News & Views.
- ** Featured in Nature Photonics News & Views.
49. Bahl, G.*, Tomes, M.*, Marquardt, F. & Carmon, T. *Experimental Observation of Spontaneous Brillouin Cooling.* **Optics and Photonics** **14**, 43 (2012).
50. Kaplan, A.*, Tomes, M.*, Carmon, T., Kozlov, M., Cohen, O., Bartal, G. & Schwefel, H. G. L. *Finite element simulation of a perturbed axial-symmetric whispering-gallery mode and its use for intensity enhancement with a nanoparticle coupled to a microtoroid.* **Optics Express** **21**, 14169-14173 (2013). (31, 3.531, Q1)
51. Bahl, G.*, Kim, K. H.*, Lee, W., Liu, J., Fan, X. & Carmon, T. *Brillouin cavity optomechanics with microfluidic devices.* **Nature Communications** **4**, 1-8 (2013). (108, 11.818, Q1)
52. Kim, K. H. *, Bahl, G.*, Lee, W., Liu, J., Tomes, M.*, Fan, X. & Carmon, T. *Cavity optomechanics on a microfluidic resonator with water and viscous liquids.* **Light: Science and Applications** **2**, 110 (no last page) (2013). (74, 14.0, Q1)
53. Zhu, J., Özdemir, S. K., Yilmaz, H., Peng, B., Dong, M.*, Tomes, M.*, Carmon, T. & Yang, L. *Interfacing whispering-gallery microresonators and free space light with cavity enhanced Rayleigh scattering.* **Scientific Reports** **4**, 1–7 (2014). (25, 4.011, Q1)
54. Han, K., Kim, K. H.*, Kim, J., Lee, W., Liu, J., Fan, X., Carmon, T. & Bahl, G.* *Fabrication and testing of microfluidic optomechanical oscillators.* **Journal of Visualized Experiments** 1–8 (2014). doi:10.3791/51497 (3, 1.108, Q3)
55. Zhu, K., Han, K., Carmon, T., Fan, X. & Bahl, G.* *Opto-acoustic sensing of fluids and bioparticles with optomechanofluidic resonators.* **European Physical Journal: Special Topics** **223**, 248-251 (2014). (12, 1.66, Q2)
56. Maayani, S.*, Martin, L. L.* & Carmon, T. *Optical binding in white light.* **Optics Letters** **40**, 1818-1823 (2015). (4, 3.866, Q1)
57. Kaminski, S.*, Martin, L. L.* & Carmon, T. *Tweezers controlled resonator.* **Optics Express** **23**, 2423-2427 (2015). (13, 3.561, Q1)
58. Moore, J.*, Martin, L. L.*, Maayani, S.*, Kim, K. H.*, Chandralalim, H.*, Eichenfield, M., Martin, I. R.* & Carmon, T. *Regular oscillations and random motion of glass microspheres levitated by a single optical beam in air.* **Optics Express** **24**, 1853-1858 (2016). (6, 3.561, Q1)
59. Attar, S. T.*, Shuvayev, V., Deych, L., Martin, L. L.* & Carmon, T. *Level-crossing and modal structure in microdroplet resonators.* **Optics Express** **24**, 593-398 (2016). (5, 3.561, Q1)
60. Maayani, S.*, Martin, L. L.*, Kaminski, S.* & Carmon, T. *Cavity optocapillaries.* **Optica** **3**, 552–555 (2016). (13, 9.263, Q1)

61. Kaminski, S.*, Martin, L. L.* & Carmon, T. *Ripplon laser through stimulated emission mediated by water waves.* **Nature Photonics** **10**, 758–761 (2016). (16, 31.583, Q1)
 62. Dahan, R.*, Martin, L. L.* & Carmon, T. *Droplet optomechanics.* **Optica** **3**, 175–178 (2016). (31, 9.263, Q1)
 63. Maayani, S.*, Martin, L. L.* & Carmon, T. *Water-walled microfluidics for high-optical finesse cavities.* **Nature Communications** **7**, 1–4 (2016). (16, 11.878, Q1)
 64. Douvidzon, M. L.*, Maayani, S.*, Martin, L. L.* & Carmon, T. *Light and Capillary Waves Propagation in Water Fibers.* **Scientific Reports** **7**, 16633-16638 (2017). (3, 4.011, Q1)
 65. Labrador-Páez, L., Soler-Carracedo, K., Hernández-Rodríguez, M., Martín, I. R., Carmon, T. & Martin, L. L.* *Liquid whispering-gallery-mode resonator as a humidity sensor.* **Optics Express** **25**, 3855-3860, (2017). (19, 3.561, Q1)
 66. Maayani S*, Martin LL*, Kaminski S*, Attar ST.*, Dahan R*, and Carmon T. Cavity Optocapillaries and Water-Wave Lasers, **Optics and Photonics News**, **14**, 58 (2017)
 67. Douvidzon, M. L.*, Maayani, S.*, Martin, L. L.* & Carmon, T. *Design and Fabrication of an Optical Fiber Made of Water.* **Journal of Visualized Experiments**, **141**, e58174 no last page (2018). doi:10.3791/58174 (0, 1.108, Q3)
 68. Jing, H., Lü, H., Özdemir, S. K., Carmon, T. & Nori, F. *Nanoparticle sensing with a spinning resonator.* **Optica** **5**, 1424-1428 (2018). (14, 9.263, Q1)
 69. Jiang, Y., Maayani, S.*, Carmon, T., Nori, F. & Jing, H. *Nonreciprocal Phonon Laser.* **Physical Review Applied**, **10**, 064037-064041 (2018). (13, 4.532, Q1)
 70. Maayani, S.*, Dahan, R.*, Kligerman, Y., Carmon, T., Hassan, A. U., Christodoulides, D. N., Jing, H., Nori, F., & Moses, E.. *Non-Reciprocal Spinning Photonics.* **Optics & Photonics News**, **12**, 44 (2018).
 71. Bar-David, D.*, Maayani, S.*, Martin, L. L.* & Carmon, T. *Cavity optofluidics: a μ droplet's whispering-gallery mode makes a μ vortex.* **Optics Express**, **26**, 19115-19119 (2018). (4, 3.561, Q1)
 72. Maayani, S.*, Dahan, R.*, Kligerman, Y., Moses, E., Hassan, A. U., Jing, H., Nori, F., Christodoulides, D. N. & Carmon, T.* *Flying couplers above spinning resonators generate irreversible refraction.* **Nature**, **558**, 569-573 (2018). (29, 43.07, Q1)
 73. Giorgini, A., Avino, S., Malara, P., De Natale, P., Yannai, M.*, Carmon, T. & Gagliardi, G. *Stimulated Brillouin Cavity Optomechanics in Liquid Droplets.* **Physical Review Letters**, **120**, 073902-073908 (2018). (8, 9.227, Q1)
- *Highlighted by Physics Review Letters' editors as an Editors' Suggestion
74. Maayani, S.* & Carmon, T. *Droplet Raman laser coupled to a standard fiber.* **Photonics Research**, **7**, 1188-1193 (2019). (0, 5.522, Q1)
 75. Kher-Alden, J., Maayani, S., Martin, L., Douvidzon, M., Deych, L. & Carmon, T. *Mesoscopic-Systems with Atomic-Scale Tolerances Generate Hyper-Degeneracy.* **Physical Review X** (2020). (accepted)

76. Douvidzon M., Maayani S., Nagar H., Admon. T, Shuvayev. V, Yang L., Deych L., Roichman Y. and Carmon T. *Nature, Light Science and Applications*(2020) (**Passed the editorial selection**)
77. T. Lenkovich, I, Haymes, L., Douvidzon, M., & Carmon, T. *Continuum Coupled Microcavities. APL Photonic* . (2021)
78. Wei Yang Lim, Mo Zohrabi, Jiangang Zhu, Tomer Ur Soco, Tal Carmon, Juliet T. Gopinath, and Victor M. Bright, Spectrally tunable liquid resonator based on electrowetting, **Optics Express** **30**, 18949-18965 (2022)
79. Ghaznavi, A.; Lin, Y.; Douvidzon, M.; Szmelter, A.; Rodrigues, A.; Blackman, M.; Eddington, D.; Carmon, T.; Deych, L.; Yang, L.; Xu, J. A Monolithic 3D Printed Axisymmetric Co-Flow Single and Compound Emulsion Generator. **Micromachines**, **2**, 13 (2022).
80. S. Kreps, V, Shuvayev, M. Douvidzon, B, Bathish, T. Lenkiewicz Abudi, A. Ghaznavi, J. Xu, Y. Lin, L, Deych and T, Carmon, Coupled Spherical-Cavities. **Accepted for AIP Advances** (2022)
81. V, Shuvayev, S. Kreps, T. Carmon and L, Deych, Whispering gallery modes of a triatomic photonic molecule. **AIP Advances** (2022)

Chapters in books

(List all co-authors in the order they appear in the chapter, first and last pages, title of book, editors of the book, publisher, and year of publication).

1. G. Bahl* and T. Carmon, Brillouin MEMS in Cavity Optomechanics, pp. 157-168, (Springer, 2014)

Patents granted

- Kerry Vahala, Tal Carmon (50%), US 7515617B1, “*Photonic Device Having Higher Order Harmonic Emission*”, 2006.
- Arnon Kraemer, Tal Carmon (50%), US SN 13/848,589, “*Reflective Dynamic Color Device*”, 2013

Other publications: News sections on my work

1. "To Physicists' surprise, a light touch sets tiny object aquiver", News of the Week section in **Science**, 309, 366-366, 2005
2. "Good Vibrations ", News and views section in **Nature Photonics**, 1, 257-257, 2007
3. "Toroid of many colours", News and views section in **Nature Physics**, 3, 378-379, 2007
4. "Micro/Nano Lithography Micro-optomechanical device vibrates at record rates." **SPIE news room** <http://spie.org/x38627.xml> , 2009

5. “Optics. Putting light's light touch to work as optics meets mechanics”, **Science**, **328**, 812-813, 2010
6. “Continuous-wave ultraviolet emission through fourth-harmonic generation in a whispering-gallery resonator”, **Laser Focus World**, **11**, 5-6, 2011
7. “Optomechanics: The stress of light cools vibration”, **Nature Physics** **8**, 180–181, 2012
8. “Cooling Solids”, **Nature Photonics** **7**, 348-349, 2013
9. “Rotating resonator creates a one-way street for light” **Physics World**, 2018.