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He is full professor of Physics since 2002. He received the laurea degree in Physics *summa cum laude* in 1985 and the PhD in Physics in 1989. From 1989 to 1990 (1yr) he has been a research fellow at the Max-Planck-Institute für Festkörperforschung, Stuttgart, Germany, and in 1992 a visiting scientist at the Walter-Schottky-Institute, Garching, Germany. In 1994-1996 (2 yr), in 2000 and 2001 he has been a visiting scientist of Bell Laboratories, Lucent Technologies (formerly AT&T), Murray Hill, NJ (U.S.A.). In 2006 he has been invited professor at the University of Paris 7.

His main research interests are in the fields of: development and applications of quantum cascade lasers, optical vibrational and transport properties of semiconductor structures at the nanoscale, applications of high-power fiber lasers, spectroscopic techniques for real-time monitoring of optoelectronic devices, optoelectronic sensors for mechatronics. His research activity is documented by > 207 ISI publications, and 7 filed patents. His publications gathered > 2100 citations with an h-index > 26. He has given > 40 invited presentations at international conferences and workshops. Awarded research programs comprises contracts funded by EU, ESA, Italian, MIUR, MAP, CNR, INFM, regional agencies and industrial projects for an overal budget > 60 Meuro.

A selection of professional activities includes: President of the Apulian Technological District on Mechatronics (MEDIS S.c.ar.l.), since 2011 (previously member of the administrative board since 2007); Director of the PhD School in Physics, since 2010; member of the Scientific Board of Tecnopolis CSATA (2004-2008); Director of the Bari's Unit of CNR Institute of Photonics and Nanotechnologies (previously LIT3 Regional Lab of INFM) since 2006; member of the Scientific Board of Centro Laser s.c.r.l. (2002–2005); evaluator of scientific and technological programs for the Italian "Ministero dell'Università e della ricerca" and "Ministero dello Sviluppo Economico" and for the Scientific and Technological Park of Tecnopolis CSATA; external evaluator for: European Commission (FP7-FET OPEN program 2009); Agence Nationale de la Recherche, France, 2008; Science Foundation of Ireland, in 2006; provincia autonoma di Bolzano; coordinator of the University Diploma Course in "Material Science" of the University of Bari (1999–2003).

He has been chair of the 100<sup>th</sup> National Congress of the Italian Physical Society (Applied Physics Section) in 2014; co-chair of the 11<sup>th</sup> International Conference on Intersubband Transitions in Quantum Wells (ITQW-2011), co-chair and president of the local org. committee of the "2nd International Workshop on Quantum Cascade Lasers" in 2006; member of the Program Committee of the 9th and 10th Int. Conf. on Intersubband Transitions in Quantum Wells in 2007 and 2009; director of the International School of INFM "Progress in laser sources and photonic devices" in 2002; co-chair of the symposia "Materials and devices for photonics" and "Progress and achievements in laser sources" of INFMeeting, in 2002 and 2004.

He has been the recipient of the following awards and fellowships: Award of the Italian Physical Society (1989), Firestone Prize for young laureates (1985), NATO-CNR Advanced Fellowship (1995), Ambassadorial Fellowship of the International Rotary Foundation (1994).

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## Risultati della ricerca

Modificabile dall'utente tramite pulsante Aggiorna

Modificabile dall'utente nel sistema di Ateneo per la gestione delle pubblicazioni

Nº	Anno	Articolo in rivista	Aggiorna	Elimina
1	2014	Patimisco Pietro, Borri Simone, Sampaolo Angelo, Beere Harvey E, Ritchie David A, Vitiello Miriam S, SCAMARCIO G, Spagnolo Vincenzo (2014). A quartz enhanced photo-acoustic gas sensor based on a custom tuning fork and a terahertz quantum cascade laser. ANALYST, vol. 139, p. 2079-2087, ISSN: 0003-2654, doi: 10.1039/C3AN01219K	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
2	2014	F. P. Mezzapesa, L. L. Columbo, M. Brambilla, M. Dabbicco, M. S. Vitiello, Scamarcio G (2014). Imaging of free carriers in semiconductors via optical feedback in terahertz quantum cascade lasers. APPLIED PHYSICS LETTERS, vol. 104, p. 041112-1-041112-5, ISSN: 0003-6951, doi: 10.1063/1.4863671	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
3	2014	S. Borri, P. Patimisco, I. Galli, D. Mazzotti, G. Giusfredi, N. Akikusa, M. Yamanishi, Scamarcio G, P. De Natale, and V. Spagnolo (2014). Intracavity quartz-enhanced photoacoustic sensor. APPLIED PHYSICS LETTERS, vol. 104, p. 091114-1-091114-5, ISSN: 0003-6951, doi: 10.1063/1.4867268	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
4	2014	Mezzapesa F P, Columbo L L, Dabbicco M, Brambilla M, Scamarcio G (2014). QCL-based nonlinear sensing of independent targets dynamics. OPTICS EXPRESS, vol. 22, p. 5867-5874, ISSN: 1094-4087, doi: 10.1364/OE.22.005867	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
5	2014	Pietro Patimisco, Scamarcio G, Frank K. Tittel, and Vincenzo Spagnolo (2014). Quartz-Enhanced Photoacoustic Spectroscopy: A Review. SENSORS, vol. 14, p. 6165-6206, ISSN: 1424-8220, doi: 10.3390/s140406165	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
6	2013	Patimisco Pietro, Scamarcio G, Santacroce Maria Vittoria, Spagnolo Vincenzo, Vitiello Miriam Serena, Dupont Emmanuel, Laframboise Sylvain R., Fathololoumi Saeed, Razavipour Ghasem S., Wasilewski Zbigniew (2013). Electronic temperatures of terahertz quantum cascade active regions with phonon scattering assisted injection and extraction scheme. OPTICS EXPRESS, vol. 21, p. 10172-10181, ISSN: 1094-4087, doi: 10.1364/OE.21.010172	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
7	2013	Scamarcio G, Vitiello Miriam Serena, Spagnolo Vincenzo (2013). Hot Electrons in THz Quantum Cascade Lasers. JOURNAL OF INFRARED, MILLIMETER, AND TERAHERTZ WAVES, vol. 34,	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>

		p. 357-373, ISSN: 1866-6892, doi: 10.1007/s10762-013-9979-1	
8	2013	Mezzapesa F. P., Columbo L. L., Brambilla M., Dabbicco M., Borri S., Vitiello M. S., Beere H. E., Ritchie D. A., Scamarcio G (2013). Intrinsic stability of quantum cascade lasers against optical feedback. OPTICS EXPRESS, vol. 21, p. 13748-13757, ISSN: 1094-4087, doi: 10.1364/OE.21.013748	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
9	2013	Patimisco Pietro, Spagnolo Vincenzo, Vitiello Miriam S., Scamarcio G, Bledt Carlos M., Harrington James A. (2013). Low-Loss Hollow Waveguide Fibers for Mid-Infrared Quantum Cascade Laser Sensing Applications. SENSORS, vol. 13, p. 1329-1340, ISSN: 1424-8220, doi: 10.3390/s130101329	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
10	2013	Vincenzo Spagnolo, Pietro Patimisco, Simone Borri, SCAMARCIO G, Bruce E. Bernacki, Jason Kriesel (2013). Mid-infrared fiber-coupled QCL-QEPAS sensor. APPLIED PHYSICS. B, LASERS AND OPTICS, vol. 112, p. 25-33, ISSN: 0946-2171	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
11	2013	Borri S, Patimisco P, Sampaolo A, Beere HE, Ritchie D A, Vitiello MS, Scamarcio G, Spagnolo V (2013). Terahertz quartz enhanced photo-acoustic sensor. APPLIED PHYSICS LETTERS, vol. 103, p. 021105-1-021105-4, ISSN: 0003-6951, doi: 10.1063/1.4812438	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
12	2013	Angione Maria Daniela, Maglìulo Maria, Cotrone Serafina, Mallardi Antonia, Altamura Davide, Giannini Cinzia, Cioffi Nicola, Sabbatini Luigia, Gobeljic Danka, Scamarcio G, Palazzo Gerardo, Torsi Luisa (2013). Volatile general anesthetic sensing with organic field-effect transistors integrating phospholipid membranes. BIOSENSORS & BIOELECTRONICS, vol. 40, p. 303-307, ISSN: 0956-5663, doi: 10.1016/j.bios.2012.07.068	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
13	2012	Patimisco P, Spagnolo V, Vitiello MS, Tredicucci A, Scamarcio G, Bledt CM, Harrington JA (2012). Coupling external cavity mid-IR quantum cascade lasers with low loss hollow metallic/dielectric waveguides. APPLIED PHYSICS. B, LASERS AND OPTICS, vol. 108, p. 255-260, ISSN: 0946-2171, doi: 10.1007/s00340-012-4891-2	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
14	2012	Mezzapesa FP, Spagnolo V, Ancona A, Scamarcio G (2012). Detection of ultrafast laser ablation using quantum cascade laser-based sensing. APPLIED PHYSICS LETTERS, vol. 101, p. 171107-1-171107-4, ISSN: 0003-6951, doi: 10.1063/1.4764115	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
15	2012	Mezzapesa FP, Sibillano T, Columbo LL, Di Niso F, Ancona A, Dabbicco M, De Lucia F, Lugara PM, Scamarcio G (2012). Direct investigation of the ablation rate evolution during laser drilling of high	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>

		aspect ratio micro-holes. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 8243, ISSN: 0277-786X, doi: 10.1117/12.905758	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
16	2012	Angione MD, Cotrone S, Magliulo M, Mallardi A, Altamura D, Giannini C, Cioffi N, Sabbatini L, Fratini E, Baglioni P, Scamarcio G, Palazzo G, Torsi L (2012). Interfacial electronic effects in functional bilayers integrated into organic field-effect transistors. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 109, p. 6429-6434, ISSN: 0027-8424, doi: 10.1073/pnas.1200549109	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
17	2012	Mezzapesa F. P., Columbo L. L., Brambilla M., Dabbicco M., Ancona A., Sibillano T., Scamarcio G (2012). Laser ablation dynamics in metals: The thermal regime. APPLIED PHYSICS LETTERS, vol. 101, p. 011103-1-011103-3, ISSN: 0003-6951, doi: 10.1063/1.4732507	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
18	2012	Vitiello MS, Iotti RC, Rossi F, Mahler L, Tredicucci A, Beere HE, Ritchie DA, Hu Q, Scamarcio G (2012). Non-equilibrium longitudinal and transverse optical phonons in terahertz quantum cascade lasers. APPLIED PHYSICS LETTERS, vol. 100, p. 091101-1-091101-4, ISSN: 0003-6951, doi: 10.1063/1.3687913	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
19	2012	Spagnolo V, Patimisco P, Borri S, Scamarcio G, Bernacki BE, Kriesel J (2012). Part-per-trillion level SF <sub>6</sub> detection using a quartz enhanced photoacoustic spectroscopy-based sensor with single-mode fiber-coupled quantum cascade laser excitation. OPTICS LETTERS, vol. 37, p. 4461-4463, ISSN: 0146-9592	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
20	2012	Mezzapesa FP, Sibillano T, Di Niso F, Ancona A, Lugara PM, Dabbicco M, Scamarcio G (2012). Real time ablation rate measurement during high aspect-ratio hole drilling with a 120-ps fiber laser. OPTICS EXPRESS, vol. 20, p. 663-671, ISSN: 1094-4087	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
21	2012	Columbo L, De Lucia F, Brambilla M, Dabbicco M, Scamarcio G (2012). Self-mixing in VCSELs for multi-parametric sensing applications: theory and experiment. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 8432, ISSN: 0277-786X, doi: 10.1117/12.946605	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
22	2012	Columbo L, Brambilla M, Dabbicco M, Scamarcio G (2012). Self-mixing in multi-transverse mode semiconductor lasers: model and potential application to multi-parametric sensing. OPTICS EXPRESS, vol. 20, p. 6286-6305, ISSN: 1094-4087	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>

23	2011	Mezzapesa FP, Ancona A, Sibillano T, De Lucia F, Dabbicco M, Lugara PM, Scamarcio G (2011). High-resolution monitoring of the hole depth during ultrafast laser ablation drilling by diode laser self-mixing interferometry. <i>OPTICS LETTERS</i> , vol. 36, p. 822-824, ISSN: 0146-9592, doi: 10.1364/OL.36.000822	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
24	2011	Mezzapesa FP, Ancona A, Sibillano T, De Lucia F, Dabbicco M, Lugara PM, Scamarcio G (2011). Laser self-mixing sensor to monitor in-situ the penetration depth during short pulse laser drilling of metal targets. <i>PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING</i> , vol. 8082, ISSN: 0277-786X, doi: 10.1117/12.898101	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
25	2011	Dabbicco M, Intermite A, Scamarcio G (2011). Laser-Self-Mixing Fiber Sensor for Integral Strain Measurement. <i>JOURNAL OF LIGHTWAVE TECHNOLOGY</i> , vol. 29, p. 335-340, ISSN: 0733-8724, doi: 10.1109/JLT.2010.2099209	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
26	2011	Ortolani M, Casini R, Chiarello F, Cibella S, Di Gaspare A, Evangelisti F, Foglietti V, Giovine E, Leoni R, Torrioli G, Tredicucci A, Vitiello MS, Scamarcio G (2011). Monolithic Focal Plane Arrays for Terahertz Active Spectroscopic Imaging: an Experimental Study. <i>PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING</i> , vol. 7945, ISSN: 0277-786X, doi: 10.1117/12.869468	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
27	2011	Pagliara S, Vitiello MS, Camposeo A, Polini A, Cingoani R, Scamarcio G, Pisignano D (2011). Optical Anisotropy in Single Light-Emitting Polymer Nanofibers. <i>JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES</i> , vol. 115, p. 20399-20405, ISSN: 1932-7447, doi: 10.1021/jp204582j	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
28	2011	Mezzapesa FP, Columbo L, Brambilla M, Dabbicco M, Ancona A, Sibillano T, De Lucia F, Lugara PM, Scamarcio G (2011). Simultaneous measurement of multiple target displacements by self-mixing interferometry in a single laser diode. <i>OPTICS EXPRESS</i> , vol. 19, p. 16160-16173, ISSN: 1094-4087	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
29	2010	Di Franco C, Elia A, Spagnolo V, Lugara PM, Scamarcio G (2010). ADVANCED OPTOACOUSTIC SENSOR DESIGNS FOR ENVIRONMENTAL APPLICATIONS. <i>PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING</i> , vol. 7808, ISSN: 0277-786X, doi: 10.1117/12.861463	<a href="#">Aggiorna</a>	<a href="#">Elimina</a>
30	2010	Vitiello MS, Scamarcio G (2010). Anisotropic heat propagation velocity in quantum cascade lasers. <i>APPLIED PHYSICS LETTERS</i> ,	<a href="#">Aggiorna</a>	

		vol. 96, ISSN: 0003-6951, doi: 10.1063/1.3352121	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
31	2010	Scamarcio G, Vitiello MS (2010). Heat transfer speed and phonon related phenomena in terahertz quantum cascade lasers. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7616, ISSN: 0277-786X, doi: 10.1117/12.846428	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
32	2010	Scamarcio G, Vitiello MS (2010). Heat transport in terahertz quantum cascade lasers. OPTICAL ENGINEERING, vol. 49, ISSN: 0091-3286, doi: 10.1117/1.3505880	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
33	2010	Iotti RC, Rossi F, Vitiello MS, Scamarcio G, Mahler L, Tredicucci A (2010). Impact of nonequilibrium phonons on the electron dynamics in terahertz quantum cascade lasers. APPLIED PHYSICS LETTERS, vol. 97, ISSN: 0003-6951, doi: 10.1063/1.3464977	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
34	2010	De Lucia F, Putignano M, Ottone S, di Vietro M, Dabbicco M, Scamarcio G (2010). Laser-self-mixing interferometry in the Gaussian beam approximation: experiments and theory. OPTICS EXPRESS, vol. 18, p. 10323-10333, ISSN: 1094-4087	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
35	2010	Elia A, Spagnolo V, Di Franco C, Lugara PM, Scamarcio G (2010). Quantum-cascade-laser-based optoacoustic detection: application to nitric oxide and formaldehyde. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7608, ISSN: 0277-786X, doi: 10.1117/12.840863	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
36	2010	Elia A, Spagnolo V, Di Franco C, Lugara PM, Scamarcio G (2010). Trace gas sensing using quantum cascade lasers and a fiber-coupled optoacoustic sensor: application to formaldehyde. JOURNAL OF PHYSICS. CONFERENCE SERIES, vol. 214, ISSN: 1742-6588, doi: 10.1088/1742-6596/214/1/012037	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
37	2009	Ottone S, Dabbicco M, De Lucia F, Scamarcio G (2009). A self-mixing laser sensor for the real-time correction of straightness/flatness deviations of a linear slide. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7356, ISSN: 0277-786X, doi: 10.1117/12.820438	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
38	2009	INTERMITE A, RAADISAVLJEVIC B, SCAMARCIO G (2009). All-fiber Strain Sensor Based on Laser-Self-Mixing. IEEE SENSORS JOURNAL, ISSN: 1530-437X	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
39	2009	Ottone S, De Lucia F, di Vietro M, Dabbicco M, Scamarcio G	<input type="button" value="Aggiorna"/>

		(2009). Comparison of plane mirror vs retroreflector performance for laser-self-mixing displacement sensors. JOURNAL OF THE EUROPEAN OPTICAL SOCIETY, vol. 4, ISSN: 1990-2573, doi: 10.2971/jeos.2009.09036	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
40	2009	Vitiello MS, Scamarcio G, Scalari G, Faist J, Walther C, Spagnolo V (2009). Hot electron effects and nanoscale heat transfer in Terahertz quantum cascade lasers. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7222, ISSN: 0277-786X, doi: 10.1117/12.814676	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
41	2009	Ottone S, Dabbico M, De Lucia F, di Vietro M, Scamarcio G (2009). Laser-Self-Mixing Interferometry for Mechatronics Applications. SENSORS, vol. 9, p. 3527-3548, ISSN: 1424-8220, doi: 10.3390/s90503527	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
42	2009	Intermite A, Radisavljevic B, Ottone S, Dabbico M, Scamarcio G (2009). Laser-self-mixing interferometric fiber strain sensor. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7356, ISSN: 0277-786X, doi: 10.1117/12.820338	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
43	2009	Di Franco C, Elia A, Spagnolo V, Scamarcio G, Lugara PM, Ieva E, Cioffi N, Torsi L, Bruno G, Losurdo M, Garcia MA, Wolter SD, Brown A, Ricco M (2009). Optical and Electronic NOx Sensors for Applications in Mechatronics. SENSORS, vol. 9, p. 3337-3356, ISSN: 1424-8220, doi: 10.3390/s90503337	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
44	2009	Vitiello MS, Scamarcio G, Faist J, Scalari G, Walther C, Beere HE, Ritchie DA (2009). Probing quantum efficiency by laser-induced hot-electron cooling. APPLIED PHYSICS LETTERS, vol. 94, p. 021115-1-021115-3, ISSN: 0003-6951, doi: 10.1063/1.3054644	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
45	2009	Elia A, Di Franco C, Spagnolo V, Lugara PM, Scamarcio G (2009). Quantum Cascade Laser-Based Photoacoustic Sensor for Trace Detection of Formaldehyde Gas. SENSORS, vol. 9, p. 2697-2705, ISSN: 1424-8220, doi: 10.3390/s90402697	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
46	2009	Ottone S, Dabbico M, De Lucia F, Scamarcio G (2009). Simultaneous measurement of linear and transverse displacements by laser self-mixing. APPLIED OPTICS, vol. 48, p. 1784-1789, ISSN: 0003-6935	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
47	2009	Spagnolo V, Vitiello MS, Di Franco C, Scamarcio G (2009). Thermal Modelling of Quantum Cascade Lasers. ACTA PHYSICA POLONICA A, vol. 116, p. 451-454, ISSN: 0587-4246	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>

48	2009	Spagnolo V, Vitiello MS, Di Franco C, Scamarcio G (2009). Thermal Modelling of Quantum Cascade Lasers. ACTA PHYSICA POLONICA A, vol. 116, p. 451-454, ISSN: 0587-4246	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
49	2009	Spagnolo V, Elia A, Di Franco C, Lugara PM, Vitiello MS, Scamarcio G (2009). Trace gas sensing using quantum cascade lasers and optoacoustic detection. PROCEEDINGS OF SPIE, THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 7222, ISSN: 0277-786X, doi: 10.1117/12.813678	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
50	2008	OTTONElli S, DE LUCIA F, DI VIETRO M, DABBICCO M, SCAMARCIO G, MEZZAPESA F P (2008). A compact three degrees-of-freedom motion sensor based on the laser-self-mixing effect. IEEE PHOTONICS TECHNOLOGY LETTERS, vol. 20, p. 1360-1362, ISSN: 1041-1135	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
51	2008	SCAMARCIO G, VITIELLO M S, SPAGNOLO V (2008). Experimental investigation of hot carriers in terahertz quantum cascade lasers. ACTA PHYSICA POLONICA A, vol. 113, p. 787-794, ISSN: 0587-4246	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
52	2008	SPAGNOLO V, LOPS A, SCAMARCIO G, VITIELLO M S, DI FRANCO C (2008). Improved thermal management of mid-IR quantum cascade lasers. JOURNAL OF APPLIED PHYSICS, vol. 103, p. 043103-1-043103-5, ISSN: 0021-8979, doi: 10.1063/1.2840136	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
		allegati	
53	2008	DI FRANCO C, SCAMARCIO G (2008). Influence of substrate pre-treatment on the growth of SixNyHz thin films enhanced chemical vapor deposition. SURFACE & COATINGS TECHNOLOGY, vol. 202, p. 3081-3087, ISSN: 0257-8972	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
54	2008	VITIELLO M S, SCAMARCIO G, SPAGNOLO V, BEWLEY W W, KIM M, KIM C S, VURGAFTMAN (2008). Micro-probe photoluminescence assessment of the wall-plug efficiency in interband cascade lasers. JOURNAL OF APPLIED PHYSICS, vol. 104, ISSN: 0021-8979	<a href="#">Aggiorna</a> <a href="#">Elimina</a>
55	2008	SCAMARCIO G, VITIELLO M S, SPAGNOLO V, KUMAR S, WILLIAMS B S, HU Q (2008). Nanoscale heat transfer in quantum cascade lasers. PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol. 40, p. 1780-1784, ISSN: 1386-9477, doi: 10.1016/j.physe.2007.09.168	<a href="#">Aggiorna</a> <a href="#">Elimina</a>

		<input type="checkbox"/> allegati	
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57	2008	VITIELLO M.S, SCAMARCIO G, SPAGNOLO V (2008). Temperature dependence of thermal conductivity and boundary resistance in THz quantum cascade lasers. IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, vol. 14, ISSN: 1077-260X, doi: 10.1109/JSTQE.2007.910102	<input type="button" value="Aggiorna"/> <input type="button" value="Elimina"/>
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