

Author details

[Print](#) | [Email](#)

Vivien, L.

Centre de Nanosciences et de Nanotechnologies,
Orsay, France

Author ID: 6701649757

<http://orcid.org/0000-0002-2980-7225>[About Scopus Author Identifier](#) | [View potential author matches](#)Other name formats: Vivien, Laurent
Vivien, L.
Vivien, Lurent

Documents: 373

Citations: 5058 total citations by 3290 documents

h-index: 39

Co-authors: 150 (maximum 150 co-authors can be displayed)

Subject area: Physics and Astronomy , Engineering [View More](#)[Analyze author output](#)[View citation overview](#)[View h-graph](#)

Follow this Author

Receive emails when this author publishes new articles

[Get citation alerts](#)[Add to ORCID](#)[Request author detail corrections](#)**373 Documents** | Cited by 3290 documents | 150 co-authors**373 documents** [View all in search results format](#)Sort on: **Date** [Cited by](#) [Export all](#) | [Add all to list](#) | [Set document alert](#) | [Set document feed](#)

Nonlinear Properties of Ge-rich Si1-xGexMaterials with Different Ge Concentrations	Serna, S., Vakarin, V., Ramirez, J.-M., (...), Dubreuil, N., Marris-Morini, D.	2017	Scientific Reports	0
			Open Access	
View at Publisher	Find it			
Single walled carbon nanotubes emission coupled with a silicon slot-ring resonator	Biccari, F., Sarti, F., Caselli, N., (...), Vivien, L., Gurioli, M.	2017	Journal of Luminescence	1
View at Publisher	Find it			
Comprehensive description of the electro-optic effects in strained silicon waveguides	Damas, P., Berciano, M., Marcaud, G., (...), Cassan, E., Vivien, L.	2017	Journal of Applied Physics	0
View at Publisher	Find it			
Polarization-Sensitive Single-Wall Carbon Nanotubes All-in-One Photodetecting and Emitting Device Working at 1.55 µm	Balestrieri, M., Keita, A.-S., Duran-Valdeiglesias, E., (...), Derycke, V., Filoramo, A.	2017	Advanced Functional Materials	0
View at Publisher	Find it			
Spatially modulated intensity occupation in nanobeam cavities for robust light matter interaction with nanomaterials	Zhang, W., Serna, S., Le Roux, X., Vivien, L., Cassan, E.	2017	International Conference on Transparent Optical Networks	0
View at Publisher	Find it			
Silicon nanobeam cavity for ultra-localized light-matter interaction	Zhang, W., Serna, S., Roux, X.L., Vivien, L., Cassan, E.	2017	Optics Letters	0
View at Publisher	Find it			
Ultra-wideband Ge-rich silicon germanium integrated Mach-Zehnder interferometer for mid-infrared spectroscopy	Vakarin, V., Ramirez, J.M., Frigerio, J., (...), Isella, G., Marris-Morini, D.	2017	Optics Letters	0
View at Publisher	Find it			
25 Gbit/s O-Band push-pull Mach-Zehnder silicon modulator for datacom applications	Perez-Galacho, D., Baudot, C., Hirtzlin, T., (...), Vivien, L., Marris-Morini, D.	2017	International Conference on Transparent Optical Networks	0
View at Publisher	Find it			
Integration of semiconductor carbon nanotubes for photonic applications in silicon photonics	Zhang, W., Duran-Valdeiglesias, E., Hoang, T.H.C., (...), Gurioli, M., Cassan, E.	2017	International Conference on Transparent Optical Networks	0
View at Publisher	Find it			
L-shaped fiber-chip grating couplers with high directionality and low reflectivity fabricated with deep-UV lithography	Benedikovic, D., Alonso-Ramos, C., Pérez-Galacho, D., (...), Baudot, C., Vivien, L.	2017	Optics Letters	0
View at Publisher	Find it			

Author History

Publication range: 1999 - Present

References: **2749**

Source history:

[Nordic Journal of Linguistics](#)[View docu](#)[Journal of Lightwave Technology](#)[View docu](#)[Scientific Reports](#)[View docu](#)[View More](#)[Show Related Affiliations](#)

Dispersion control of silicon nanophotonic waveguides using sub-wavelength grating metamaterials in near- and mid-IR wavelengths	Benedikovic, D., Berciano, M., Alonso-Ramos, C., (...), Marris-Morini, D., Vivien, L.	2017	Optics Express	0
Open Access				
View at Publisher Find it NTU				
Integrated waveguide PIN photodiodes exploiting lateral Si/Ge/Si heterojunction	Viot, L., Benedikovic, D., Szelag, B., (...), Kopp, C., Vivien, L.	2017	Optics Express	0
Open Access				
View at Publisher Find it NTU				
Electro-refraction in standard and symmetrically coupled Ge/SiGe quantum wells	Frigerio, J., Vakarin, V., Chaisakul, P., (...), Isella, G., Marris-Morini, D.	2017	Nanoscience and Nanotechnology Letters	0
View at Publisher Find it NTU				
Narrow-linewidth carbon nanotube emission in silicon hollow-core photonic crystal cavity	Hoang, T.H.C., Durán-Valdeiglesias, E., Alonso-Ramos, C., (...), Vivien, L., Cassan, E.	2017	Optics Letters	0
View at Publisher Find it NTU				
Low power consumption and high-speed ge receivers	Viot, L., Benedikovic, D., Szelag, B., (...), Kopp, C., Vivien, L.	2017	2017 Optical Fiber Communications Conference and Exhibition, OFC 2017 - Proceedings	0
Find it NTU				
Low voltage 25Gbps silicon Mach-Zehnder modulator in the O-band	Perez-Galacho, D., Baudot, C., Hirtzlin, T., (...), Vivien, L., Marris-Morini, D.	2017	Optics Express	0
Open Access				
View at Publisher Find it NTU				
Optical pump-rejection filter based on silicon sub-wavelength engineered photonic structures	Pérez-Galacho, D., Alonso-Ramos, C., Mazeas, F., (...), Cassan, É., Vivien, L.	2017	Optics Letters	1
View at Publisher Find it NTU				
Vectorial Near-Field Imaging of Silicon Heterostructure Cavities in Air-Slot Waveguides	Caselli, N., Hoang, T.H.C., Le Roux, X., (...), Cassan, E., Gurioli, M.	2017	IEEE Photonics Technology Letters	0
View at Publisher Find it NTU				
Ge-rich graded-index Si1-xGex waveguides with broadband tight mode confinement and flat anomalous dispersion for nonlinear mid-infrared photonics	Ramírez, J.M., Vakarin, V., Frigerio, J., (...), Isella, G., Marris-Morini, D.	2017	Optics Express	3
Open Access				
View at Publisher Find it NTU				
Polarization insensitive Ge-rich silicon germanium waveguides for optical interconnects on silicon	Vakarin, V., Chaisakul, P., Frigerio, J., (...), Isella, G., Marris-Morini, D.	2017	Proceedings of SPIE - The International Society for Optical Engineering	0
View at Publisher Find it NTU				

Display: **20** results per page

Page 1

[Top of page](#)

The data displayed above is compiled exclusively from articles published in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please [contact us](#) (registration required).
 The data displayed above is subject to the privacy conditions contained in the [privacy policy](#).

About Scopus

[What is Scopus](#)
[Content coverage](#)
[Scopus blog](#)
[Scopus API](#)
[Privacy matters](#)

Language

[日本語に切り替える](#)
[切换到简体中文](#)
[切换到繁體中文](#)
[Русский язык](#)

Customer Service

[Help](#)
[Contact us](#)

ELSEVIER

Terms and conditions [Privacy policy](#)

Copyright © 2017 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

Cookies are set by this site. To decline them or learn more, visit our [Cookies page](#).

