

Author details

[Print](#) | [E-mail](#)

De Sterke, Martijn Martijn De

The University of Sydney, School of Physics,
Sydney, Australia

Author ID: 6508140541

[About Scopus Author Identifier](#) | [View potential author matches](#)Other name formats: De Sterke, Martijn
De Sterke, C. Martijn
Martijn de Sterke, C.
[View More](#)

Documents: 464

Citations: 8878 total citations by 5782 documents

h-index: 48

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](#)**464 Documents** | Cited by 5782 documents | 150 co-authors464 documents [View all in search results format](#)Sort on: **Date** [Cited by](#) [Export all](#) | [Add all to list](#) | [Set document alert](#) | [Set document feed](#)

High-Q defect-free 2D photonic crystal cavity from random localised disorder	Chung, K., Karle, T.J., Rajasekharan, R., de Sterke, C.M., Tomljenovic-Hanic, S.	2014	Crystals	1
			Open Access	

[View at Publisher](#) [Find it](#)

Imaging performance of finite uniaxial metamaterials with large anisotropy	Tuniz, A., Ireland, D., Poladian, L., (...), De Sterke, C.M., Kuhlmei, B.T.	2014	Optics Letters	14
--	---	------	----------------	----

[View at Publisher](#) [Find it](#)

Effective photons in weakly absorptive dielectric media and the Beer-Lambert-Bouguer law	Judge, A.C., Brownless, J.S., Bhat, N.A.R., (...), Steel, M.J., Martijn De Sterke, C.	2014	New Journal of Physics	1
			Open Access	

[View at Publisher](#) [Find it](#)

Imaging performance of metamaterial wire media at terahertz frequencies: A simple local approach	Tuniz, A., Ireland, D., Argyros, A., (...), De Sterke, C.M., Kuhlmei, B.T.	2014	2014 OptoElectronics and Communication Conference, OECC 2014 and Australian Conference on Optical Fibre Technology, ACOFT 2014	0
--	--	------	--	---

[Find it](#)

Dynamic frequency tuning in a fiber grating cavity	Yu, Z., Kabakova, I.V., Fonjallaz, P.-Y., (...), Margulis, W., De Sterke, C.M.	2013	Bragg Gratings, Photosensitivity, and Poling in Glass Waveguides, BGPP 2012	1
--	--	------	---	---

[Find it](#)

Frozen light in optical waveguides with absorption and nonlinearity	Martijn de Sterke, C., Gutman, N., Sukhorukov, A., Chong, Y.	2013	Optics InfoBase Conference Papers	0
---	--	------	-----------------------------------	---

[Find it](#)

Coherent perfect absorption and reflection in slow-light waveguides	Gutman, N., Sukhorukov, A.A., Chong, Y.D., Martijn De Sterke, C.	2013	Optics Letters	7
---	--	------	----------------	---

[View at Publisher](#) [Find it](#)

Dynamic wavelength switching in a fiber grating cavity	Yu, Z., Rugeland, P., Kabakova, I.V., (...), De Sterke, C.M., Margulis, W.	2013	CLEO: Science and Innovations, CLEO_SI 2013	0
--	--	------	---	---

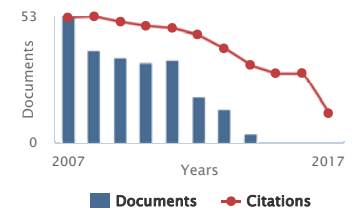
[Find it](#)

Cavity Optical Pulse Extraction: Ultra-short pulse generation as seeded Hawking radiation	Eilenberger, F., Kabakova, I.V., De Sterke, C.M., Eggleton, B.J., Pertsch, T.	2013	Scientific Reports	2
			Open Access	

[View at Publisher](#) [Find it](#)

Follow this Author

Receive emails when this author publishes new articles

[Get citation alerts](#)[Add to ORCID](#)[Request author detail corrections](#)[Export profile to SciVal](#)

Author History

Publication range: 1985 - 2014

References: [3247](#)

Source history:

[Electronics Letters](#)[View docu](#)












2006 International Conference on Numerical Simulation c

Semiconductor Optoelectronic Devices, NUSOD '06

[View docu](#)

Quantum Electronics and Laser Science Conference (QE

[View docu](#)[View More](#)[Show Related Affiliations](#)

Spontaneous symmetry breaking in a double-defect nonlinear grating	De Sterke, C.M., Kabakova, I.V., Uddin, I., Jeyaratnam, J., Malomed, B.A.	2013	Physical Review A - Atomic, Molecular, and Optical Physics	5
View at Publisher Find it  NTU				
Understanding the contribution of mode area and slow light to the effective Kerr nonlinearity of waveguides	Afshar, V.S., Monro, T.M., De Sterke, C.M.	2013	Optics Express	8
Open Access				
View at Publisher Find it  NTU				
Degenerate band edge resonances in coupled periodic silicon optical waveguides	Burr, J.R., Gutman, N., De Sterke, C.M., Vitebskiy, I., Reano, R.M.	2013	Optics Express	13
Open Access				
View at Publisher Find it  NTU				
Canonical quantization of macroscopic electrodynamics in a linear, inhomogeneous magnetoelectric medium	Judge, A.C., Steel, M.J., Sipe, J.E., De Sterke, C.M.	2013	Physical Review A - Atomic, Molecular, and Optical Physics	6
View at Publisher Find it  NTU				
Reconfigurable, defect-free, ultrahigh-Q photonic crystal microcavities for sensing	Tomljenovic-Hanic, S., de Sterke, C.M.	2013	Sensors (Switzerland)	3
Open Access				
View at Publisher Find it  NTU				
Modeling photonic crystal interfaces and stacks: Impedance-based approaches	Lawrence, F.J., de Sterke, C.M., Botten, L.C., McPhedran, R.C., Dossou, K.B.	2013	Advances in Optics and Photonics	7
View at Publisher Find it  NTU				
Giant slow wave resonances in coupled periodic silicon optical waveguides	Burr, J.R., Gutman, N., Martijn De Sterke, C., Vitebskiy, I., Reano, R.M.	2013	Optics InfoBase Conference Papers	0
Find it  NTU				
Dynamic wavelength switching in a fiber grating cavity	Yu, Z., Rugeland, P., Kabakova, I.V., (...), De Sterke, C.M., Margulis, W.	2013	2013 Conference on Lasers and Electro-Optics, CLEO 2013	0
Find it  NTU				
Positional disorder in nanowire array photovoltaics	Sturmberg, B.C.P., Dossou, K.B., Botten, L.C., (...), McPhedran, R.C., De Sterke, C.M.	2013	Conference Record of the IEEE Photovoltaic Specialists Conference	0
View at Publisher Find it  NTU				
Broadband control of exact dynamic localization bandwidth in curved, strongly coupled optical waveguide arrays	Joushaghani, A., Iyer, R., Wan, J., (...), Poon, J.K.S., Aitchison, J.S.	2012	2012 Conference on Lasers and Electro-Optics, CLEO 2012	0
Find it  NTU				
Low-power all-optical switching through frozen light at degenerate band edges	Gutman, N., Sukhorukov, A.A., Eilenberger, F., Martijn de Sterke, C.	2012	Optics InfoBase Conference Papers	0
Find it  NTU				
Display: <input type="text" value="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](#).

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](#).

