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Personlige data

Born: 19 June, 1955 in Krasnodar region, Russia
Citizenship: Danish
Work Address: University of Southern Denmark, Centre for Nano Optics,
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Uddannelse

1998 Dr. Scient. (Near-Field Optics), University of Aarhus, Denmark
1981 Ph.D. in Physics (Integrated Optics), Moscow Institute of Physics and Technology, Russia
1978 M. Sc. in Physics (Quant. Electronics), Moscow Institute of Physics and Technology, Russia

Ansættelser

2016 - D-IAS Chair of Technical Sciences, University of Southern Denmark, Odense, Denmark
2013 - Head of Centre for Nano Optics, University of Southern Denmark, Odense, Denmark
2008 - Professor, University of Southern Denmark, Odense, Denmark
2003 - 2009 Professor (MSO) Aalborg University, Denmark
2001 - 2004 Technical Director (CTO), Micro Managed Photons A/S, Denmark
1998 - 1999 Associate Research Professor, COM, Technical University of Denmark
1994 - 2003 Associate Professor, Aalborg University, Denmark
1992 - 1994 Assistant Professor, Aalborg University, Denmark
1991 - 1992 Visiting scientist, Aalborg University, Denmark
1990 - 1991 Head of Section of Optical Technologies, Institute of Microelectronics, Russian Academy of Sciences, Yaroslavl, Russia
1987 - 1988 Visiting researcher, Aalborg University, Denmark
1985 - 1989 Associate Professor, Polytechnic University, Yaroslavl, Russia
1981 - 1984 Assistant Professor, Polytechnic University, Yaroslavl, Russia

Forskningsledelse

- Principal Investigator on 11 national and Partner on 5 European research projects and programmes (total funding > 10 M€)
- Reviewer for the EU-H2020 proposals with the FET domain
- Reviewer for Nature journals; Science; Nano Letters; APS, OSA, AIP and IOP journals
- Reviewer for research councils in Denmark, Netherlands, Australia, USA, UK, Israel, Canada, Finland
- Chair for the conference on Surface Plasmon Photonics (SPP9) and the accompanying PhD summer school to be held in 2019 in Copenhagen and Odense (Denmark)
- Co-chair for the Workshop on Topological Nanophotonics held in May, 2018 in Odense (Denmark)
- Co-organizer of the Quantum Plasmonics (2015) and Quantum Nanophotonics (2017 & 2019) workshops held at the Science Center of Benasque (Spain)
- Chair for Nanophotonics, Plasmonics, Near Field Optics at CLEO/Europe-EQEC (2009)
- Co-Chair for Optical Microscopy & Metrology at ICO Meetings on Optoinformatics (2004, 2006)
- Program committee member for international conferences: SPIE annual meetings on Plasmonics (2005 – 08), CLEO (2006), ICONO (2007), OSA Topical (IPR) Meetings on Integrated Photonics Research, Silicon and Nanophotonics (2010, 2011), META, SPP and NFO conferences since 2007
- Head of Centre for Nano Optics, University of Southern Denmark (www.sdu.dk/nano-optics) (since 2013)
- Management Committee for EU-COST Action MP0803 on plasmonics (since 2008)

- Management Committee for EU-COST Action MP0803 on plasmonics (since 2008) Chairman of 2008 Max Born Award Committee (OSA) (2007 – 2008)
- Chairman of the Research Board of the EU-NoE “PLASMO-NANO-DEVICES” (2006 – 2008)
- Technical Director (CTO), Micro Managed Photons A/S, Denmark (2001 – 2004)
- Elected member of the board, Institute of Physics, Aalborg University, (2000 – 2008)
- Coordinator of EU student exchange program “ERASMUS” at Aalborg University (1999 – 2008)

Forskning

- Peer-reviewed articles: > 500 (including 21 in Nano Letters, 9 in Physical Review Letters and 16 in Nature journals) with 18 highly cited papers (top 1% in the field according to Web of Science), 10 patents (incl. patent applications) and 14 book chapters; editor of “Plasmonic Nano-Guides and Circuits”, World Scientific, Singapore, 2008; co-editor of “Quantum Plasmonics”, Springer; Cham, 2017.
- Total citations: > 22.000 registered by Web of Science, h-index = 67 [ResearcherID: E-9423-2011] More than 100 invited talks at international conferences and research seminars.
- Research topics include linear and nonlinear nano-optics, plasmonics including quantum, nanophotonics, integrated and fiber optics, surface-enhanced Raman spectroscopy and imaging.

Vejledning

Supervised 22 postdoctoral researchers, 22 Ph.D. students and 21 M.Sc. students. External censorship for overall > 15 PhD dissertations in Denmark, Sweden, UK, France, Germany, Austria and Australia.

Opfindelser

- Industrial collaboration within national and international research projects with: Danisco, Senmatic, Unisense, NanoNord, IBM, Alcatel-Lucent, Kodak, Oclaro, AMO, Silios, Sengenja and others.
- Co-founder and CTO of Micro Managed Photons A/S (2001-2004) set out to commercialize plasmonic (long-range surface plasmon-polariton based) interconnects within the topics enclosed by 3 patents.
- Co-author of 10 patents and patent applications (5 filed in Russia and 5 filed in Denmark).

Priser (valgt)

2019	Danish Optical Society (DOPS) Senior Award
2019	Elected Member of Danish Academy of Technical Sciences (ATV)
2019	Villum Kann Rasmussen Award 2019 in Science and Technology
2017-2018-2019	Web of Science (Clarivate/Thomson-Reuters) List of Highly Cited Researchers in physics
2016	Leverhulme Visiting Professorship at King’s College London
2013	ERC Advanced Grant “PLAQNAP”
2011	Elected Member of Danish Academy of Natural Sciences (DNA)
2009	Research Prize “Fyens Stiftstidendes Forskerpris 2009”
2007	Elected Fellow of the Optical Society of America (OSA Fellow)

Seneste forsknings-bevillinger > 100.000 DKK:

2019 -2024	Villum Kann Rasmussen Grant for Research in Technical and Natural Sciences.
2019	Novo Nordisk Grant “The 9th International Conference on Surface Plasmon Photonics (SPP9)”.
2014 - 2020	ERC Advanced Grant “Plasmon-based Functional and Quantum Nanophotonics (PLAQNAP)”.
2014 - 2020	SDU2020 Nano-Plasmonics for Future and Emerging Technologies (FET)
2014 - 2019	ERC Advanced Grant “Plasmon-based Functional and Quantum Nanophotonics (PLAQNAP)”.
2013 - 2016	FTP “Plasmonic metal nanostructures for thermophotovoltaics (PlasTPV)”.
2013 - 2015	FNU “Optical metamaterials using detuned electrical dipoles”.
2012 - 2016	EU-ICT IP “Photonics for High-Performance, Low-Cost & Low-Energy Data Centers, High Performance Computing Systems: Terabit/s Optical Interconnect Technologies for On-Board, Board-to-Board, Rack-to-Rack data links (PhoxTroT)”.
2010 - 2012	Lundbeck Fond “Plasmonic nanostructures for surface enhanced Raman imaging”.
2010 - 2014	FTP “Active Nano-Plasmonics (ANAP)”.
2010 - 2013	EU-ICT STREP “Merging plasmonic and silicon photonics technology toward Tb/s routing in optical interconnects (PLATON)” FP7-ICT-2009-4.
2007 - 2010	FTP “Channel plasmon polariton based components for nanophotonics”.
2006 - 2010	EU STREP “Polymer-based nanoplasmonic components and devices (PLASMOCOM)”.
2006 - 2009	SFR-NABIIT “Plasmonic optical chips for medical diagnostics and chemical sensing”.
2005 - 2006	FNU “Mapping of local fields at nanostructured surfaces”.

2005 - 2008 STVF "SPP guiding along nanostructured surfaces".
2004 - 2008 STVF "Planar Intergrated PBG Elements (PIPE)"
2004 - 2008 EU NoE "PLASMO-NANO-DEVICES" FP6-2002-IST-1-507879.
2003 - 2006 MVTU "Center for Micro-Optical Structures (CEMOST)".
2000 - 2003 EU STREP "Photonic integrated circuits using photonic crystal circuits (PICCO)".
2001 STVF "Telecom optical probing equipment for genuine integrated optics".
1999 - 2001 SNF "Nano-optics of semiconductor quantum dots".

Publikationer

Focused vortex-beam generation using gap-surface plasmon metasurfaces

Ding, F., Chen, Y. & Bozhevolnyi, S. I., 1. feb. 2020, I : Nanophotonics. 9, 2, s. 371-378

Dual-band metasurfaces using multiple gap-surface plasmon resonances

Deshpande, R. A., Ding, F. & Bozhevolnyi, S., 8. jan. 2020, I : ACS Applied Materials and Interfaces. 12, 1, s. 1250-1256

Metasurface-Enabled Generation of Circularly Polarized Single Photons

Kan, Y., Andersen, S. K. H., Ding, F., Kumar, S., Zhao, C. & Bozhevolnyi, S. I., 1. jan. 2020, (Acceptoret/In press) I : Advanced Materials.

Proceedings of the 9th International Conference on Surface Plasmon Photonics (SPP9)

Mortensen, N. A., Berini, P., Levy, U. & Bozhevolnyi, S. I., 1. jan. 2020, (Acceptoret/In press) I : Nanophotonics.

Plasmonic monolithic lithium niobate directional coupler switches

Thomaschewski, M., Zenin, V. A., Wolff, C. & Bozhevolnyi, S. I., 2020, I : Nature Communications. 11, 1, 748.

Multifunctional metamirrors for broadband focused vector-beam generation

Ding, F., Chen, Y., Yang, Y. & Bozhevolnyi, S. I., 1. nov. 2019, I : Advanced Optical Materials. 7, 22, 8 s., 1900724.

Use of monocrystalline gold flakes for gap plasmon-based metasurfaces operating in the visible

Boroviks, S., Todisco, F., Mortensen, N. A. & Bozhevolnyi, S. I., 1. nov. 2019, I : Optical Materials Express. 9, 11, s. 4209-4217

Efficient broadband infrared absorbers based on core-shell nanostructures

Parsamyan, H. A., Nerkararyan, K. V. & Bozhevolnyi, S. I., 1. okt. 2019, I : Journal of the Optical Society of America B: Optical Physics. 36, 10, s. 2643-2649 7 s.

Novel Terahertz Sources in the Form of Multispectral Resonators Boosted by Both Pump Light Local Field Enhancement and Terahertz Purcell Effect

Han, Z., Cai, Y., Levy, U. & Bozhevolnyi, S. I., 18. sep. 2019, I : ACS Photonics. 6, 9, s. 2223-2230

Three focused ion beam nanofabrication of plasmonic devices

Leissner, T., Kumar, S., Thomaschewski, M., Adam, J., Chiriaev, S., Fiutowski, J., Bozhevolnyi, S. I. & Rubahn, H-G., 17. sep. 2019.

Dynamic Metasurfaces Using Phase-Change Chalcogenides

Ding, F., Yang, Y. & Bozhevolnyi, S. I., 18. jul. 2019, I : Advanced Optical Materials. 7, 14, 15 s., 1801709.

Gap-surface Plasmon Metasurfaces for Focused Structured-beams Generation

Ding, F. & Bozhevolnyi, S. I., 1. jul. 2019, *2019 Conference on Lasers and Electro-Optics, CLEO 2019 - Proceedings*. IEEE, 2 s. 8749408

Core-shell particles as efficient broadband absorbers in infrared optical range

Evlyukhin, A. B., Nerkararyan, K. V. & Bozhevolnyi, S. I., jun. 2019, I : Optics Express. 27, 13, s. 17474-17481

Gap-surface plasmon metasurfaces for broadband circular-to-linear polarization conversion and vector vortex beam generation

Heiden, J. T., Ding, F., Linnet, J., Yang, Y., Beermann, J. & Bozhevolnyi, S. I., 3. maj 2019, I : Advanced Optical Materials. 7, 9, 9 s., 1801414.

A review of unidirectional surface plasmon polariton metacouplers

Ding, F. & Bozhevolnyi, S. I., 1. maj 2019, I : I E E E Journal on Selected Topics in Quantum Electronics. 25, 3, 11 s., 4600611.

Unidirectional single-photon emission from germanium-vacancy zero-phonon lines: Deterministic emitter-waveguide interfacing at plasmonic hot spots

Siampour, H., Wang, O., Zenin, V. A., Boroviks, S., Siyushev, P., Yang, Y., Davydov, V. A., Kulikova, L. F., Agafonov, V. N., Kubanek, A., Mortensen, N. A., Jelezko, F. & Bozhevolnyi, S. I., 13. mar. 2019, I : arxiv.org. 14 s.

Nonradiating anapole states in nanophotonics: from fundamentals to applications

Yang, Y. & Bozhevolnyi, S. I., 5. mar. 2019, I : Nanotechnology. 30, 20, 18 s., 204001.

On-Chip Detection of Optical Spin-Orbit Interactions in Plasmonic Nanocircuits

Thomaschewski, M., Yang, Y., Wolff, C., Roberts, A. S. & Bozhevolnyi, S. I., 13. feb. 2019, I : Nano Letters. 19, 2, s. 1166-1171 117 s.

Plasmonic color printing based on third-order gap surface plasmons

Deshpande, R. A., Roberts, A. S. & Bozhevolnyi, S. I., 1. feb. 2019, I : Optical Materials Express. 9, 2, s. 717-730

Active control of anapole states by structuring the phase-change alloy Ge₂Sb₂Te₅

Tian, J., Luo, H., Yang, Y., Ding, F., Qu, Y., Zhao, D., Qiu, M. & Bozhevolnyi, S. I., 23. jan. 2019, I : Nature Communications. 10, 9 s., 396.

Extremely confined gap-plasmon waveguide modes excited by nitrogen-vacancy centers in diamonds

Kumar, S., Andersen, S. K. H. & Bozhevolnyi, S. I., 16. jan. 2019, I : ACS Photonics. 6, 1, s. 23-29

Polarization control of colors in resonant evanescent field scattering by silicon nanodisks [Invited]

Evlyukhin, A. B. & Bozhevolnyi, S. I., 1. jan. 2019, I : Optical Materials Express. 9, 1, s. 151-161

A unidirectional surface plasmon coupler for strong interface with integrated quantum emitters

Siampour, H., Wang, O., Zenin, V. A., Boroviks, S., Siyushev, P., Yang, Y., Davydov, V. A., Kulikova, L. F., Agafonov, V. N., Mortensen, N. A., Jelezko, F. & Bozhevolnyi, S. I., jan. 2019.

Excitation of hybrid plasmonic waveguide modes by colloidal quantum dots

Kumar, S. & Bozhevolnyi, S. I., 2019, I : ACS Photonics. 6, 7, s. 1587-1593

Gap-surface Plasmon Metasurfaces for Structured Beams Generation

Ding, F., Chen, Y., Yang, Y. & Bozhevolnyi, S. I., 2019, s. 1276-1280. 5 s.

Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays

Roberts, A. S., Novikov, S. M., Yang, Y., Chen, Y., Boroviks, S., Beermann, J., Mortensen, N. A. & Bozhevolnyi, S. I., 2019, I : A C S Nano. 13, 1, s. 71-77

Plasmonic directional couplers using channel waveguides in random arrays of metal nanoparticles

Garcia-Ortiz, C. E., Coello, V., Pisano, E., Chen, Y. & Bozhevolnyi, S. I., 2019, I : Optics Express. 27, 16, s. 22753-22763

Topological nanophotonics

Mortensen, N. A., Bozhevolnyi, S. I. & Alu, A., 2019, I : *Nanophotonics*. 8, 8, s. 1315-1317

Bifunctional gap-plasmon metasurfaces for visible light: polarization-controlled unidirectional surface plasmon excitation and beam steering at normal incidence

Ding, F., Deshpande, R. A. & Bozhevolnyi, S. I., 31. dec. 2018, I : *Light: Science & Applications*. 7, 1778.

Bifunctional Gap-Plasmon Metasurfaces for Visible Light

Ding, F., Deshpande, R. A. & Bozhevolnyi, S. I., 31. dec. 2018, *Proceedings of the 2018 Progress in Electromagnetics Research Symposium (PIERS-Toyama)*. IEEE, s. 1265-1269 (Progress in Electromagnetics Research Symposium).

Suppression of near-field coupling in plasmonic antennas on epsilon-near-zero substrates

Devault, C. T., Zenin, V. A., Pors, A., Chaudhuri, K., Kim, J., Boltasseva, A., Shalaev, V. M. & Bozhevolnyi, S. I., 4. dec. 2018, I : *Optica*. 5, 12, s. 1557-1563

Interference in edge-scattering from monocrystalline gold flakes [Invited]

Boroviaks, S., Wolff, C., Linnet, J., Yang, Y., Todisco, F., Roberts, A. S., Bozhevolnyi, S. I., Hecht, B. & Mortensen, N. A., 1. dec. 2018, I : *Optical Materials Express*. 8, 12, s. 3688-3697

Scanning differential microscopy for characterization of reflecting phase-gradient metasurfaces

Akhmedzhanov, I. M. & Bozhevolnyi, S. I., 15. nov. 2018, I : *Optics Communications*. 427, s. 603-608

Rapid characterization of metasurface unit cells using Scanning Differential Heterodyne Microscopy

Deshpande, R. A., Akhmedzhanov, I. M., Baranov, D. V., Zolotov, E. M. & Bozhevolnyi, S. I., nov. 2018, *2018 12th International Congress on Artificial Materials for Novel Wave Phenomena, METAMATERIALS 2018*. IEEE, s. 102-104 8534162

Direct Characterization of Near-Field Coupling in Gap Plasmon-Based Metasurfaces

Deshpande, R. A., Zenin, V. A., Ding, F., Mortensen, N. A. & Bozhevolnyi, S. I., 14. sep. 2018, I : *Nano Letters*. 18, 10, s. 6265-6270

On-chip excitation of single germanium vacancies in nanodiamonds embedded in plasmonic waveguides

Siampour, H., Kumar, S., Davydov, V. A., Kulikova, L. F., Agafonov, V. N. & Bozhevolnyi, S. I., 12. sep. 2018, I : *Light: Science & Applications*. 7, 9 s., 61.

Special issue on "metasurfaces: Physics and applications"

Ding, F., Genevet, P. & Bozhevolnyi, S. I., sep. 2018, I : *Applied Sciences (Switzerland)*. 8, 10, 1727.

Ultra-compact branchless plasmonic interferometers

Thomaschewski, M., Yang, Y. & Bozhevolnyi, S. I., 14. aug. 2018, I : *Nanoscale*. 10, 34, s. 16178-16183

A review of gap-surface plasmon metasurfaces: fundamentals and applications

Ding, F., Yang, Y., Deshpande, R. A. & Bozhevolnyi, S. I., 27. jun. 2018, I : *Nanophotonics*. 7, 6, s. 1129-1156

Bifunctional metamirrors for simultaneous polarization splitting and focusing

Boroviaks, S., Deshpande, R. A., Mortensen, N. A. & Bozhevolnyi, S. I., maj 2018, *Proceedings of SPIE Photonics Europe: Metamaterials XI*. Boardman, A. D., Zayats, A. V. & MacDonald, K. F. (red.). SPIE - International Society for Optical Engineering, Bind 10671. 106712C

Near-field phase characterization of gradient gap plasmon-based metasurfaces

Deshpande, R. A., Zenin, V. A., Ding, F., Mortensen, N. A. & Bozhevolnyi, S. I., maj 2018, *Proceedings of SPIE Photonics Europe: Metamaterials XI*. Zayats, A. V., Boardman, A. D. & MacDonald, K. F. (red.). SPIE - International Society for Optical Engineering, Bind 10671. 1067129

Roadmap on plasmonics

Stockman, M. I. (red.), Kneipp, K., Bozhevolnyi, S. I., Saha, S., Dutta, A., Ndukaife, J., Kinsey, N., Reddy, H., Guler, U., Shalaev, V. M., Boltasseva, A., Gholipour, B., Krishnamoorthy, H. N. S., Macdonald, K. F., Soci, C., Zheludev, N. I., Savinov, V., Singh, R., Groß, P., Lienau, C. & 19 flere, Vadai, M., Solomon, M. L., Barton, D. R., Lawrence, M., Dionne, J. A., Boriskina, S. V., Esteban, R., Aizpurua, J., Zhang, X., Yang, S., Wang, D., Wang, W., Odom, T. W., Accanto, N., De Roque, P. M., Hancu, I. M., Piatkowski, L., Van Hulst, N. F. & Kling, M. F., 1. apr. 2018, I : Journal of optics. 20, 4, s. 1-40 043001.

Hybrid plasmonic bullseye antennas for efficient photon collection

Andersen, S. K. H., Bozhevolnyi, S. I., Shalaev, V. M., bogdanov, S., Boltasseva, A., Shalaginov, M., Xuan, Y. & Makarova, O., 21. mar. 2018, I : ACS Photonics. 5, 3, s. 692-698

Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies

Ding, F., Bozhevolnyi, S. I. & Zhong, S., 27. feb. 2018, I : Advanced Optical Materials. 6, 9, 1701204.

Engineering 3D Multi-Branched Nanostructures for Ultra- Sensing Applications

Chirumamilla, A., Chirumamilla, M., Roberts, A. S., Cerea, A., Skovsen, E., De Angelis, F., Proietti Zaccaria, R., Kristensen, P. K., Krahn, R., Sutherland, D., Bozhevolnyi, S. I., Pedersen, K. & Toma, A., 21. feb. 2018, *Raman Spectroscopy*. do Nascimento, G. M. (red.). InTechOpen

On-chip plasmonic cavity-enhanced spontaneous emission rate at the zero-phonon line

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 5. feb. 2018.

Flexible long-range surface plasmon polariton single-mode waveguide for optical interconnects

Vernoux, C., Chen, Y., Markey, L., Spârchez, C., Arocas, J., Felder, T., Neitz, M., Brusberg, L., Weeber, J. C., Bozhevolnyi, S. I. & Dereux, A., 1. feb. 2018, I : Optical Materials Express. 8, 2, s. 469-484

Controlled excitation of diamond color centers using low-loss dielectric-loaded surface plasmon polariton waveguides

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 1. jan. 2018, *Quantum Technologies 2018*. SPIE - International Society for Optical Engineering, Bind 10674. 106740T

Highly stable silver nanoparticles for SERS applications

Novikov, S. M., Popok, V. N., Evlyukhin, A. B., Hanif, M., Morgen, P., Fiutowski, J., Beermann, J., Rubahn, H. G. & Bozhevolnyi, S. I., 1. jan. 2018, I : Journal of Physics: Conference Series. 1092, s. 1-6 012098.

Ultra-thin titanium nitride films for refractory spectral selectivity [Invited]

Roberts, A. S., Chirumamilla, M., Wang, D., An, L., Pedersen, K., Mortensen, N. A. & Bozhevolnyi, S. I., 1. jan. 2018, I : Optical Materials Express. 8, 12, s. 3717-3728

Anapole-assisted strong field enhancement in individual all-dielectric nanostructures

Yang, Y., Zenin, V. A. & Bozhevolnyi, S. I., 2018, I : A C S Photonics. 5, 5, s. 1960-1966

Dynamics of a quantum emitter resonantly coupled to both external field and localized surface plasmon

Nerkararyan, K. V., Yezekyan, T. S. & Bozhevolnyi, S. I., 2018, I : Physical Review B. 97, 4, 6 s., 045401.

Gradient metasurfaces: a review of fundamentals and applications

Ding, F., Pors, A. L. & Bozhevolnyi, S. I., 2018, I : Reports on Progress in Physics. 81, 2, 44 s., 026401.

Metasurface-based polarimeters

Ding, F., Chen, Y. & Bozhevolnyi, S. I., 2018, I : Applied Sciences. 8, 4, 594.

Multifunctional Metamirror: Polarization Splitting and Focusing

Boroviks, S., Deshpande, R. A., Mortensen, N. A. & Bozhevolnyi, S. I., 2018, I : ACS Photonics. 5, 5, s. 1648-1653

On-chip spectropolarimetry by fingerprinting with random surface arrays of nanoparticles

Chen, Y., Ding, F., Coello, V. & Bozhevolnyi, S. I., 2018, I : ACS Photonics. 5, 5, s. 1703-1710

Plasmon-enhanced generation of nonclassical light

Fernández-Domínguez, A. I., Bozhevolnyi, S. I. & Mortensen, N. A., 2018, I : ACS Photonics. 5, 9, s. 3447-3451

Polarization conversion within ultra-compact on-chip all-plasmonic nanocircuits

Thomaschewski, M., Yang, Y. & Bozhevolnyi, S. I., 2018, *Nanophotonics VII*. SPIE - International Society for Optical Engineering, 6 s. 106723M. (S P I E - International Society for Optical Engineering. Proceedings, Bind 10672).

Direct Amplitude-Phase Near-Field Observation of Higher-Order Anapole States

Zenin, V. A., Evlyukhin, A. B., Novikov, S. M., Yang, Y., Malureanu, R., Lavrinenko, A. V., Chichkov, B. N. & Bozhevolnyi, S. I., 8. nov. 2017, I : Nano Letters. 17, 11, s. 7152-7159

Efficient electro-optic modulation in low-loss graphene-plasmonic slot waveguides

Ding, Y., Guan, X., Zhu, X., Hu, H., Bozhevolnyi, S. I., Oxenløwe, L. K., Jin, K., Mortensen, N. A. & Xiao, S., 28. okt. 2017, I : Nanoscale. 9, 40, s. 15576-15581

Nanofabrication of Plasmonic Circuits Containing Single Photon Sources

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 3. aug. 2017, I : ACS Photonics. 4, 8, s. 1879-1884

On-chip plasmonic cavity-enhanced quantum emitters

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 26. jun. 2017. 1 s.

Chip-size Plasmonic Spectropolarimeters

Ding, F., Pors, A. L., Chen, Y., Zenin, V. & Bozhevolnyi, S. I., 14. maj 2017.

Third-order gap plasmon based metasurfaces for visible light

Deshpande, R. A., Pors, A. & Bozhevolnyi, S. I., maj 2017, I : Optics Express. 25, 11, s. 12508-12517

Deterministic fabrication of dielectric loaded waveguides coupled to single nitrogen vacancy centers in nanodiamonds

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 4. jan. 2017.

Beam-Size-Invariant Spectropolarimeters Using Gap-Plasmon Metasurfaces

Ding, F., Pors, A. L., Chen, Y., Zenin, V. & Bozhevolnyi, S. I., 2017, I : ACS Photonics. 4, 4, s. 943-949

Chip-integrated plasmonic cavity-enhanced single nitrogen-vacancy center emission

Siampour, H., Kumar, S. & Bozhevolnyi, S. I., 2017, I : Nanoscale. 9, 45, s. 17902-17908

Coupling of Quantum Emitters to Plasmonic Nanoguides

Kumar, S. & Bozhevolnyi, S. I., 2017, *Quantum Plasmonics*. I. Bozhevolnyi, S., Martin-Moreno, L. & Garcia-Vidal, F. (red.). Springer, s. 47-71 (Springer Series in Solid State Sciences, Bind 185).

Detection of internal fields in double-metal terahertz resonators

Mitrofanov, O., Han, Z., Ding, F., Bozhevolnyi, S. I. & Brenner, I., 2017, I : Applied Physics Letters. Lett. 110, 6

Excitation of nanowire surface plasmons by silicon vacancy centers in nanodiamonds

Kumar, S., Davydov, V. A., Agafonov, V. N. & Bozhevolnyi, S. I., 2017, I : Optical Materials Express. 7, 7, s. 2586-2596

Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications

Novikov, S. M., Popok, V. N., Evlyukhin, A. B., Hanif, M., Morgen, P., Fiutowski, J., Beermann, J., Rubahn, H. G. & Bozhevolnyi, S. I., 2017, I : Langmuir. 33, 24, s. 6062-6070

Hot-Spot Engineering in 3D Multi-Branched Nanostructures: Ultrasensitive Substrates for Surface-Enhanced Raman Spectroscopy

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Aktiviteter

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14. okt. 2009 → 16. okt. 2009

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Nanoplasmonics for field enhancement and subwavelength guiding

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25. feb. 2008

Priser

Fyens Stiftstidende Forskerpris 2009

Sergey I. Bozhevolnyi (Modtager), 27. apr. 2009

Presse/medie

"Master of light" modtager Villum Fondens årslegat

Sergey I. Bozhevolnyi

23/01/2019

1 Mediebidrag

40 nye medlemmer optaget i ATV

Sergey I. Bozhevolnyi

09/05/2019

1 Mediebidrag

AKTUELLE: Prestigefyldt bevilling til nano-forskning

Sergey I. Bozhevolnyi

26/09/2013

1 element af Mediedækning

Dem om os: Danskerne set med andre øjne

Sergey I. Bozhevolnyi

17/09/2008

1 Mediebidrag

Fei Ding troede ikke sine egne øjne - 1,9 millioner kroner fra Villum Fonden

Sergey I. Bozhevolnyi

20/09/2018

1 Mediebidrag

Førende forsker til SDU

Sergey I. Bozhevolnyi

13/03/2008

1 Mediebidrag

Fornem hæder til "Master of Light"

Sergey I. Bozhevolnyi

23/01/2019

1 Mediebidrag

Gennembrud for fremtidens supercomputere

Jonas Beermann & Sergey I. Bozhevolnyi

31/03/2017

1 element af Mediedækning

Intens jagt på fremtidens solcelle

Sergey I. Bozhevolnyi

02/06/2013

1 element af Mediedækning

Kæmpebeløb til forsker på Syddansk Universitet

Sergey I. Bozhevolnyi

27/09/2013

1 element af Mediedækning

Manden der gør det umulige muligt

Sergey I. Bozhevolnyi

23/01/2019

1 Mediebidrag

Ophavsmand til na-nooptik får legat

Sergey I. Bozhevolnyi

26/01/2019

1 Mediebidrag

Russiskfødt nanoforsker på SDU modtager en af Danmarks største forskerpriser

Sergey I. Bozhevolnyi

23/01/2019

1 Mediebidrag

SDU - forskere styrer lys rundt om hjørner

Sergey I. Bozhevolnyi & Jonas Beermann

31/03/2017

1 element af Mediedækning

SDU giver millioner til egen forskning

Sergey I. Bozhevolnyi, James W. Vaupel, Jan Stentoft, Erik Albæk, Anne-Marie Mai, Lars Bo Andersen, Trond Ulven, Bente Finsen, John Hallam, Jan Mollenhauer, Charlotte Kroløkke, Susanne Mandrup, Lars Peter Raahave Østerdal & Jakob Kjelstrup-Hansen

05/07/2013

1 element af Mediedækning

SDU-forskere styrer lys rundt om hjørner

Sergey I. Bozhevolnyi

24/03/2017

1 element af Mediedækning

SERGEY I. BOZHEVOLNYI

Sergey I. Bozhevolnyi

25/01/2019

1 Mediebidrag

Søstrene Bisp er tilbage på skærmen

Sergey I. Bozhevolnyi

18/02/2019

1 Mediebidrag

Søstrene Bisp er tilbage på skærmen - Heick, Gløsted og Lange på scenen

Sergey I. Bozhevolnyi

19/02/2019

1 Mediebidrag

The master of light modtager Villum-pris

Sergey I. Bozhevolnyi

23/01/2019

1 Mediebidrag

Villum Fondens årslegat på 5 mio. kroner

Sergey I. Bozhevolnyi

05/02/2019

1 Mediebidrag

Villum Fondens årslegat på 5 mio. kroner

Sergey I. Bozhevolnyi

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Villum Fondens årslegat på 5 mio. kroner

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1 Mediebidrag

Villum Fondens årslegat på 5 mio. kroner

Sergey I. Bozhevolnyi

05/02/2019

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