



Build your reputation by sharing an update on:
ARPA-E MONITOR: Mid-Infrared MEMS-VCSEL



Every day thousands of researchers use projects to share updates about what they're working on right now.

Add an update now



Aqueous
coherence
dependence

Chen Xi
[...] · Yi



Suggested for you



Spectrally Encoded Coherence Tomography and Reflectometry (SECTR): simultaneous en face and cross-sectional imaging at 2 gigapixels-per-second

Article Nov 2017

[Request full-text](#) [Follow](#) [Share](#)

8 Reads



Jay Duker
added a chapter



Abstract: OCT-OCTA Segmentation

Chapter [Full-text available](#) Jan 2018

[Download](#) [Recommend](#) [Share](#)

83 Reads



[John Edward Bowers](#)

added a conference paper



Semipolar GaN-based laser diodes for Gbit/s white lighting communication: devices to systems

Conference Paper Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

6 Reads



Suggested for you



Long ranging swept-source optical coherence tomography-based angiography outperforms its spectral-domain counterpart in imaging human skin microcirculations

Article Nov 2017

[Request full-text](#) [Follow](#) [Share](#)

29 Reads

Jobs yo
R&D As:
Rheolog
Materia

[New jo](#)

Oak Rid
Postdoc
Associa
Theory :

Oak Rid

Oak Rid

Postdoc
Associa
Neutron

Oak Rid

Oak Rid

Manufa

Oak Rid

Oak Rid

Researc
Progran

Nationa

Washing

Reads

3,58

Recomr

37



Invite your co-authors

Increase the visibility of your mutual work by inviting your co-authors to join ResearchGate.

6 mutual publications

Vijaysekhar Jayaraman

Co-authored conference paper

Single-Mode and High-Speed 850nm MEMS-VCSEL



Invite

More

[View more co-authors](#)

Who to :



Shamsul Arafin

added a full-text to an article

2d ago

Heterodyne locking of a fully integrated optical phase-locked loop with on-chip modulators

[Article](#) [Full-text available](#) Sep 2017

[Download](#) [Recommend](#) [Share](#)

31 Reads



[Jonathan Jaoshin Liu](#)



With **7 new citations**, your co-author's article was the **most cited** article from their institution last month

Like

Split-spectrum amplitude-decorrelation angiography with optical coherence tomography

[Article](#) [Full-text available](#) Feb 2012

1 Recommendation · 235 Reads · 428 Citations

[Download](#) [Recommend](#) [Share](#)



Ludovico Megalini

added an article



Strain-Compensated InGaAsP Superlattices for Defect Reduction of InP Grown on Exact-Oriented (001) Patterned Si Substrates by Metal Organic Chemical Vapor Deposition

[Article](#) [Full-text available](#) Feb 2018

[Download](#) [Recommend](#) [Share](#)

74 Reads



Sponsored content you might like



Posted by [Formulation](#)

Mean particle size without dilution

Turbiscan is a non-intrusive optical analyzer to characterize concentrated dispersions in real conditions

[Learn more](#)



[Jon Peters](#)

added a conference paper



**Development of quantum and interband cascade lasers on silicon
(Conference Presentation)**

Conference Paper Mar 2018

[Request full-text](#) [Follow](#) [Share](#)

13 Reads



[Caterina Ciminelli](#)

added an article



**Design of an ultra-compact graphene-based integrated microphotonic
tunable delay line**

Article Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

5 Reads



Suggested for you



Ultrahigh Speed Endoscopic Swept Source Optical Coherence Tomography using a VCSEL Light Source and Micromotor Catheter

[Article](#) [Full-text available](#) Feb 2014

[Download](#) [Recommend](#) [Share](#)

44 Reads · 2 Citations



[Daoxin Dai](#)

was added to a project

4d ago ▾

Flexible integration of free-standing nanowires into silicon photonics

[Project](#)

[View](#) [Follow](#)

21 Reads



[John Edward Bowers](#)

added an article

Mar 18 ▾

Directly modulated 1.3 μm quantum dot lasers epitaxially grown on silicon

[Article](#) Mar 2018

[Request full-text](#) [Follow](#) [Share](#)

31 Reads



Suggested projects

Discover projects to keep up with research as it happens.

III-V Nanowire Selective Area MOVPE Growth for High Efficiency Solar Cell

Project 2 Collaborators

 Elizaveta Lebedkina ·  Elizaveta S. Semenova

The main goal of the project is the development of a high-efficiency and inexpensive p-n-n nanowires on top of silicon planar solar cells. The nanostructured top-layers permit the growth on Si without the requirement of lattice matching.



Follow



John Edward Bowers
added 10 research items

Mar 18 

Strain-Compensated InGaAsP Superlattices for Defect Reduction of InP Grown on Exact-Oriented (001) Patterned Si Substrates by Metal Organic Chemical Vapor Deposition

Article Full-text available Feb 2018

[Download](#) [Recommend](#) [Share](#)

74 Reads

Semipolar GaN-based laser diodes for Gbit/s white lighting communication: devices to systems

Conference Paper Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

6 Reads

Status and Potential of Lithium Niobate on Insulator (LNOI) for Photonic Integrated Circuits

Article Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

68 Reads

[View all 10 items](#)



Hussein Nili



Your colleague's article reached **200 citations**

Like

Graphene Analogues: Elemental Analogues of Graphene: Silicene, Germanene, Stanene, and Phosphorene (Small 6/2015)

Article Nov 2014

[Request full-text](#) [Follow](#) [Share](#)

361 Reads · 207 Citations



John Edward Bowers

Mar 18

added a full-text to an article

High-Speed Semiconductor Laser Design and Performance

Article [Full-text available](#) Jan 1987

[Download](#) [Recommend](#) [Share](#)

309 Reads · 139 Citations



Suggested for you



Noise analysis for interference waveform in swept source optical coherence tomography

Conference Paper Nov 2017

[Request full-text](#) [Follow](#) [Share](#)

7 Reads



[Demis John](#)
asked a question

Mar 17

Free Simulation of Waveguide Thermal Tuning?

New question Mar 2018

I am looking for a free way to simulate the thermo-optic tuning of an optical waveguide. I have found numerous free optical waveguide modesolvers which I have working well for my desired waveguide...

[Answer](#) [Following](#)

4 Answers · 65 Reads

Show 3 previous answers

[Demis John](#)

19.66 · University of California, Santa Barbara

Thank you both, I am aware of Lumerical, COMSOL (which definitely does this), PhotonDesign, RSoft, Matlab, Phoenix, but am looking for something Free as these p...

4H · DELETE



[Sascha Preu](#)
added an article



Enhanced Responsivity of ZnSe-Based Metal-Semiconductor-Metal Near-Ultraviolet Photodetector via Impact Ionization

Article Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

16 Reads



[Franko Kueppers](#)
added an article



Enhanced Responsivity of ZnSe-Based Metal-Semiconductor-Metal Near-Ultraviolet Photodetector via Impact Ionization (Phys. Status Solidi RRL 2/2018)

Article Feb 2018

[Request full-text](#) [Follow](#) [Share](#)

10 Reads



[Jay Duker](#)
added an article



Microscope-Integrated Intraoperative Ultrahigh-Speed Swept-Source Optical Coherence Tomography for Widefield Retinal and Anterior Segment Imaging

Article Feb 2018

[Request full-text](#) [Following](#) [Share](#)

12 Reads



Joao P. Hespanha



With **17 new citations**, your colleague's article was the **most cited** article from their department last month

Like

Eigenfaces vs. Fisherfaces: Recognition Using Class Specific Linear Projection

Article Full-text available Jul 1997

[Download](#) [Recommend](#) [Share](#)

62 Reads · 7,880 Citations



Suggested for you



A Joint Probabilistic Model for Speckle Variance, Amplitude Decorrelation and Interframe Variance (IFV) Optical Coherence Tomography Angiography

Chapter Jan 2018

[Request full-text](#) [Follow](#) [Share](#)

7 Reads



[Jon Peters](#) and [John Edward Bowers](#)
added a conference paper

Mar 16 ▾

**Development of quantum and interband cascade lasers on silicon
(Conference Presentation)**

Conference Paper Mar 2018

[Request full-text](#) [Follow](#) [Share](#)

13 Reads

[Show previous feed items](#)