

Andrei V Zvyagin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1820430/publications.pdf>

Version: 2024-02-01

154
papers

5,149
citations

87723

38
h-index

98622

67
g-index

159
all docs

159
docs citations

159
times ranked

6652
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. Nature Nanotechnology, 2013, 8, 729-734.	15.6	569
2	Observation and control of blinking nitrogen-vacancy centres in discrete nanodiamonds. Nature Nanotechnology, 2010, 5, 345-349.	15.6	417
3	Imaging of zinc oxide nanoparticle penetration in human skin in vitro and in vivo. Journal of Biomedical Optics, 2008, 13, 064031.	1.4	254
4	Muscle-Inspired MXene Conductive Hydrogels with Anisotropy and Low-Temperature Tolerance for Wearable Flexible Sensors and Arrays. Advanced Functional Materials, 2021, 31, 2105264.	7.8	171
5	Five-Nanometer Diamond with Luminescent Nitrogen-Vacancy Defect Centers. Small, 2009, 5, 1649-1653.	5.2	156
6	Targeted Radionuclide Therapy of Human Tumors. International Journal of Molecular Sciences, 2016, 17, 33.	1.8	130
7	Non-specific cellular uptake of surface-functionalized quantum dots. Nanotechnology, 2010, 21, 285105.	1.3	120
8	<i>In vitro</i> and <i>in vivo</i> imaging of xenobiotic transport in human skin and in the rat liver. Journal of Biophotonics, 2008, 1, 478-493.	1.1	106
9	Quantum dot penetration into viable human skin. Nanotoxicology, 2012, 6, 173-185.	1.6	105
10	Time-Related Single Photon Counting For Simultaneous Monitoring Of Zinc Oxide Nanoparticles And NAD(P)H In Intact And Barrier-Disrupted Volunteer Skin. Pharmaceutical Research, 2011, 28, 2920-2930.	1.7	101
11	In vivo size and shape measurement of the human upper airway using endoscopic long-range optical coherence tomography. Optics Express, 2003, 11, 1817.	1.7	100
12	Riboflavin photoactivation by upconversion nanoparticles for cancer treatment. Scientific Reports, 2016, 6, 35103.	1.6	92
13	Characterization of optical properties of ZnO nanoparticles for quantitative imaging of transdermal transport. Biomedical Optics Express, 2011, 2, 3321.	1.5	89
14	Facile Assembly of Functional Upconversion Nanoparticles for Targeted Cancer Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 11945-11953.	4.0	86
15	Feasibility study of the optical imaging of a breast cancer lesion labeled with upconversion nanoparticle biocomplexes. Journal of Biomedical Optics, 2013, 18, 076004.	1.4	84
16	Deep-penetrating photodynamic therapy with KillerRed mediated by upconversion nanoparticles. Acta Biomaterialia, 2017, 51, 461-470.	4.1	77
17	Cytotoxicity and non-specific cellular uptake of bare and surface-modified upconversion nanoparticles in human skin cells. Nano Research, 2015, 8, 1546-1562.	5.8	75
18	Novel Diabetic Foot Wound Dressing Based on Multifunctional Hydrogels with Extensive Temperature-Tolerant, Durable, Adhesive, and Intrinsic Antibacterial Properties. ACS Applied Materials & Interfaces, 2021, 13, 26770-26781.	4.0	73

#	ARTICLE	IF	CITATIONS
19	Effect of the Nanodiamond Host on a Nitrogen-Vacancy Colour-Centre Emission State. <i>Small</i> , 2013, 9, 132-139.	5.2	72
20	Balloon Inspired Conductive Hydrogel Strain Sensor for Reducing Radiation Damage in Peritumoral Organs During Brachytherapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	65
21	Refractive index tomography of turbid media by bifocal optical coherence refractometry. <i>Optics Express</i> , 2003, 11, 3503.	1.7	64
22	Synthesis and spectroscopic observation of dendrimer-encapsulated gold nanoclusters. <i>Chemical Communications</i> , 2006, , 2400.	2.2	63
23	Unmodified hydrated C ₆₀ fullerene molecules exhibit antioxidant properties, prevent damage to DNA and proteins induced by reactive oxygen species and protect mice against injuries caused by radiation-induced oxidative stress. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 37-46.	1.7	63
24	Use of multiphoton tomography and fluorescence lifetime imaging to investigate skin pigmentation <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2013, 18, 026022.	1.4	60
25	Dual-channel spontaneous emission of quantum dots in magnetic metamaterials. <i>Nature Communications</i> , 2013, 4, 2949.	5.8	60
26	Penetration of Nanoparticles into Human Skin. <i>Current Pharmaceutical Design</i> , 2013, 19, 6353-6366.	0.9	59
27	Radioactive (⁹⁰ Y) upconversion nanoparticles conjugated with recombinant targeted toxin for synergistic nanotheranostics of cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9690-9695.	3.3	58
28	Quantitative Imaging of Single Upconversion Nanoparticles in Biological Tissue. <i>PLoS ONE</i> , 2013, 8, e63292.	1.1	56
29	Determination of the refractive index of $\text{F}^{2-}\text{NaYF}_4/\text{Yb}^{3+}/\text{Er}^{3+}/\text{Tm}^{3+}$ nanocrystals using spectroscopic refractometry. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2015, 118, 609-613.	0.2	55
30	Delay and dispersion characteristics of a frequency-domain optical delay line for scanning interferometry. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003, 20, 333.	0.8	52
31	Rapid and Label-Free Isolation of Tumour Cells from the Urine of Patients with Localised Prostate Cancer Using Inertial Microfluidics. <i>Cancers</i> , 2020, 12, 81.	1.7	52
32	Real-time dispersion compensation in scanning interferometry. <i>Optics Letters</i> , 2002, 27, 1998.	1.7	50
33	Designing Inorganic Light-Protective Skin Nanotechnology Products. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 432-451.	0.5	48
34	Luminescent nanoparticles and their applications in the life sciences. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 194101.	0.7	47
35	Transfection and imaging of diamond nanocrystals as scattering optical labels. <i>Journal of Luminescence</i> , 2007, 127, 260-263.	1.5	46
36	Background free imaging of upconversion nanoparticle distribution in human skin. <i>Journal of Biomedical Optics</i> , 2012, 18, 061215.	1.4	42

#	ARTICLE	IF	CITATIONS
37	Versatile Platform for Nanoparticle Surface Bioengineering Based on SiO ₂ -Binding Peptide and Proteinaceous Barnase*Barstar Interface. ACS Applied Materials & Interfaces, 2018, 10, 17437-17447.	4.0	40
38	Bifocal optical coherent refractometry of turbid media. Optics Letters, 2003, 28, 117.	1.7	39
39	Somatostatin and its 2A Receptor in Dorsal Root Ganglia and Dorsal Horn of Mouse and Human: Expression, Trafficking and Possible Role in Pain. Molecular Pain, 2014, 10, 1744-8069-10-12.	1.0	39
40	Rational Surface Design of Upconversion Nanoparticles with Polyethylenimine Coating for Biomedical Applications: Better Safe than Brighter?. ACS Biomaterials Science and Engineering, 2018, 4, 3143-3153.	2.6	38
41	Optical coherence tomography as a novel tool for non-destructive measurement of the hull thickness of lupin seeds. Plant Breeding, 2004, 123, 266-270.	1.0	37
42	Achromatic optical phase shifter*modulator. Optics Letters, 2001, 26, 187.	1.7	35
43	Imaging and sizing of diamond nanoparticles. Optics Letters, 2006, 31, 625.	1.7	35
44	Barstar:barnase * a versatile platform for colloidal diamond bioconjugation. Journal of Materials Chemistry, 2011, 21, 65-68.	6.7	34
45	Nano*Ruby: A Promising Fluorescent Probe for Background*Free Cellular Imaging. Particle and Particle Systems Characterization, 2013, 30, 506-513.	1.2	34
46	Submicron polyacrolein particles in situ embedded with upconversion nanoparticles for bioassay. Nanoscale, 2015, 7, 1709-1717.	2.8	33
47	Computer-assisted cystoscopy diagnosis of bladder cancer. Urologic Oncology: Seminars and Original Investigations, 2018, 36, 8.e9-8.e15.	0.8	29
48	Ultraviolet phototoxicity of upconversion nanoparticles illuminated with near-infrared light. Nanoscale, 2017, 9, 14921-14928.	2.8	28
49	Effect of multiple transverse modes in self-mixing sensors based on vertical-cavity surface-emitting lasers. Applied Optics, 2007, 46, 611.	2.1	27
50	Preclinical Study of Biofunctional Polymer-Coated Upconversion Nanoparticles. Toxicological Sciences, 2019, 170, 123-132.	1.4	27
51	Real-time detection technique for Doppler optical coherence tomography. Optics Letters, 2000, 25, 1645.	1.7	26
52	Computational characterization of reflectance confocal microscopy features reveals potential for automated photoageing assessment. Experimental Dermatology, 2013, 22, 458-463.	1.4	25
53	Bioreactor-Based Tumor Tissue Engineering. Acta Naturae, 2016, 8, 44-58.	1.7	25
54	Mie scattering of evanescent waves by a dielectric sphere: comparison of multipole expansion and group-theory methods. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 3003.	0.8	23

#	ARTICLE	IF	CITATIONS
55	Extended range, rapid scanning optical delay line for biomedical interferometric imaging. <i>Electronics Letters</i> , 1999, 35, 1404.	0.5	23
56	Large-Scale Production and Characterization of Biocompatible Colloidal Nanoalumina. <i>Langmuir</i> , 2014, 30, 15091-15101.	1.6	19
57	Emerging role of circulating tumor cells in immunotherapy. <i>Theranostics</i> , 2021, 11, 8057-8075.	4.6	19
58	Near-field optical microscope image formation: a theoretical and experimental study. <i>Optics Letters</i> , 1997, 22, 955.	1.7	18
59	Statistics of single-electron signals in electron-multiplying charge-coupled devices. <i>IEEE Transactions on Electron Devices</i> , 2006, 53, 618-622.	1.6	18
60	Parallel self-mixing imaging system based on an array of vertical-cavity surface-emitting lasers. <i>Applied Optics</i> , 2007, 46, 6237.	2.1	18
61	Multiphoton microscopy and fluorescence lifetime imaging provide a novel method in studying drug distribution and metabolism in the rat liver in vivo. <i>Journal of Biomedical Optics</i> , 2011, 16, 086013.	1.4	18
62	Enhanced spatial resolution in optical imaging of biotissues labelled with upconversion nanoparticles using a fibre-optic probe scanning technique. <i>Laser Physics Letters</i> , 2014, 11, 095602.	0.6	18
63	Cytotoxic effects of upconversion nanoparticles in primary hippocampal cultures. <i>RSC Advances</i> , 2016, 6, 33656-33665.	1.7	18
64	Application of Optical Quality Control Technologies in the Dairy Industry: An Overview. <i>Photonics</i> , 2021, 8, 551.	0.9	18
65	Targeting Cancer Cell Tight Junctions Enhances PLGA-Based Photothermal Sensitizers' Performance In Vitro and In Vivo. <i>Pharmaceutics</i> , 2022, 14, 43.	2.0	18
66	Wide-field time-gated photoluminescence microscopy for fast ultrahigh-sensitivity imaging of photoluminescent probes. <i>Journal of Biophotonics</i> , 2016, 9, 848-858.	1.1	17
67	Resolution and contrast enhancement of laser-scanning multiphoton microscopy using thulium-doped upconversion nanoparticles. <i>Nano Research</i> , 2019, 12, 2933-2940.	5.8	17
68	A method of drug delivery to tumors based on rapidly biodegradable drug-loaded containers. <i>Applied Materials Today</i> , 2021, 25, 101199.	2.3	17
69	Fluorescence recovery after photo-bleaching as a method to determine local diffusion coefficient in the stratum corneum. <i>International Journal of Pharmaceutics</i> , 2012, 435, 93-97.	2.6	16
70	UCNP-based Photoluminescent Nanomedicines for Targeted Imaging and Theranostics of Cancer. <i>Molecules</i> , 2020, 25, 4302.	1.7	16
71	Signal-to-noise ratio study of full-field Fourier-domain optical coherence tomography. <i>Applied Optics</i> , 2005, 44, 7722.	2.1	15
72	Targeting somatostatin receptors using in situ-bioconjugated fluorescent nanoparticles. <i>Nanomedicine</i> , 2012, 7, 1551-1560.	1.7	15

#	ARTICLE	IF	CITATIONS
73	AuNCs@LHRHa nano-system for FL/CT dual-mode imaging and photothermal therapy of targeted prostate cancer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5182-5190.	2.9	15
74	Fourier-domain optical coherence tomography: optimization of signal-to-noise ratio in full space. <i>Optics Communications</i> , 2004, 242, 97-108.	1.0	14
75	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39197-39208.	4.0	14
76	Tracing upconversion nanoparticle penetration in human skin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110480.	2.5	14
77	Hydrogel Composites with Different Dimensional Nanoparticles for Bone Regeneration. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100362.	2.0	14
78	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. <i>Chemical Engineering Journal</i> , 2022, 430, 132860.	6.6	14
79	Functionalized Upconversion Nanoparticles for Targeted Labelling of Bladder Cancer Cells. <i>Biomolecules</i> , 2019, 9, 820.	1.8	13
80	Near-field optical microscope for true surface topography: theoretical study. <i>Optics Communications</i> , 1997, 133, 328-338.	1.0	12
81	Pharmacological Characterization of a Recombinant, Fluorescent Somatostatin Receptor Agonist. <i>Bioconjugate Chemistry</i> , 2011, 22, 1768-1775.	1.8	12
82	A modular design of low-background bioassays based on a high-affinity molecular pair barnase:barstar. <i>Proteomics</i> , 2013, 13, 1437-1443.	1.3	12
83	Visualization of upconverting nanoparticles in strongly scattering media. <i>Biomedical Optics Express</i> , 2014, 5, 1952.	1.5	12
84	Near-Infrared Molecular Imaging of Glioblastoma by Miltuximab-IRDye800CW as a Potential Tool for Fluorescence-Guided Surgery. <i>Cancers</i> , 2020, 12, 984.	1.7	12
85	Controlled Formation of a Protein Corona Composed of Denatured BSA on Upconversion Nanoparticles Improves Their Colloidal Stability. <i>Materials</i> , 2021, 14, 1657.	1.3	12
86	Specific Visualization of Tumor Cells Using Upconversion Nanophosphors. <i>Acta Naturae</i> , 2014, 6, 48-53.	1.7	12
87	Refractometry of organosilica microspheres. <i>Applied Optics</i> , 2007, 46, 1554.	2.1	10
88	Machine learning reveals mesenchymal breast carcinoma cell adaptation in response to matrix stiffness. <i>PLoS Computational Biology</i> , 2021, 17, e1009193.	1.5	10
89	Bioreactor-Based Tumor Tissue Engineering. <i>Acta Naturae</i> , 2016, 8, 44-58.	1.7	10
90	Isolation of Circulating Tumor Cells from Seminal Fluid of Patients with Prostate Cancer Using Inertial Microfluidics. <i>Cancers</i> , 2022, 14, 3364.	1.7	10

#	ARTICLE	IF	CITATIONS
91	Refractometry of melanocyte cell nuclei using optical scatter images recorded by digital Fourier microscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 044031.	1.4	9
92	Laser-induced modification of the patellar ligament tissue: comparative study of structural and optical changes. <i>Lasers in Medical Science</i> , 2011, 26, 401-413.	1.0	9
93	Quantification of nanoparticle concentration in colloidal suspensions by a non-destructive optical method. <i>Nanotechnology</i> , 2017, 28, 475702.	1.3	9
94	Theranostic Applications of Nanoparticle-Mediated Photoactivated Therapies. <i>Journal of Nanotheranostics</i> , 2021, 2, 131-156.	1.7	9
95	Selective placement of quantum dots on nanoscale areas of metal-free substrates. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 710-713.	1.2	8
96	Nanoparticle enhanced blue light therapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114198.	6.6	8
97	Image reconstruction in full-field Fourier-domain optical coherence tomography. <i>Journal of Optics</i> , 2005, 7, 350-356.	1.5	7
98	Scar tissue classification using nonlinear optical microscopy and discriminant analysis. <i>Journal of Biophotonics</i> , 2012, 5, 159-167.	1.1	7
99	Multifunctional Complexes Based on Photoluminescent Upconversion Nanoparticles for Theranostics of the HER2-Positive Tumors. <i>Doklady Biochemistry and Biophysics</i> , 2020, 491, 73-76.	0.3	7
100	Development of All-Semiconductor Laser Sources for Studies of $^{88}\text{Sr}^+$ Ions Confined in RF Trap. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 1603-1607.	0.8	6
101	Solution to the bistability problem in shear force distance regulation encountered in scanning force and near-field optical microscopes. <i>Applied Physics Letters</i> , 1997, 71, 2541-2543.	1.5	6
102	Upconversion luminophores as a novel tool for deep tissue imaging. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
103	Optical Characterization of Zinc Pyrithione. <i>Photochemistry and Photobiology</i> , 2019, 95, 1142-1150.	1.3	6
104	Ultrasmall Red Fluorescent Gold Nanoclusters for Highly Biocompatible and Long-Time Nerve Imaging. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100001.	1.2	6
105	Specific visualization of tumor cells using upconversion nanophosphors. <i>Acta Naturae</i> , 2014, 6, 48-53.	1.7	6
106	Semiconductor line source for low-coherence interferometry. <i>Applied Optics</i> , 2001, 40, 913.	2.1	5
107	Fluid flow rate measurement using the change in laser junction voltage due to the self-mixing effect. , 2006, , .		5
108	ZnO and TiO ₂ particles: a study on nanosafety and photoprotection. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5

#	ARTICLE	IF	CITATIONS
109	Numerical modeling of light propagation in a hexagonal array of dielectric cylinders. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010, 27, 865.	0.8	5
110	Optical and Spin Properties of Nitrogen-Vacancy Color Centers in Diamond Crystals, Nanodiamonds, and Proximity to Surfaces. , 2012, , 327-354.		5
111	Incoherent wavefront reconstruction by a retroemission device. <i>Optics Letters</i> , 2015, 40, 1169.	1.7	5
112	The feasibility of Miltuximab [®] -IRDye700DX-mediated photoimmunotherapy of solid tumors. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102064.	1.3	5
113	Lifetime-Engineered Ruby Nanoparticles (Tau-Rubies) for Multiplexed Imaging of $\frac{1}{4}$ -Opioid Receptors. <i>ACS Sensors</i> , 2021, 6, 1375-1383.	4.0	5
114	Facile Cell-Friendly Hollow-Core Fiber Diffusion-Limited Photofabrication. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 783834.	2.0	5
115	Intradermal injection of lidocaine with a microneedle device to provide rapid local anaesthesia for peripheral intravenous cannulation: A randomised open-label placebo-controlled clinical trial. <i>PLoS ONE</i> , 2022, 17, e0261641.	1.1	5
116	Refractive index tomography of turbid media by bifocal optical coherence refractometry. , 2004, , .		4
117	Optical scatter imaging using digital Fourier microscopy. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 3590-3598.	1.3	4
118	Retroemission by a glass bead monolayer for high-sensitivity, long-range imaging of upconverting phosphors. <i>Optics Letters</i> , 2011, 36, 3009.	1.7	4
119	High-resolution deep-tissue optical imaging using anti-Stokes phosphors. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
120	Human Epidermal Zinc Concentrations after Topical Application of ZnO Nanoparticles in Sunscreens. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12372.	1.8	4
121	Gold nanodots with stable red fluorescence for rapid dual-mode imaging of spinal cord and injury monitoring. <i>Talanta</i> , 2022, 241, 123241.	2.9	4
122	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121795.	2.6	4
123	High-speed, high-sensitivity, gated surface profiling with closed-loop optical coherence topography. <i>Applied Optics</i> , 2002, 41, 2179.	2.1	3
124	Measurement of action spectra of light-activated processes. <i>Journal of Biomedical Optics</i> , 2006, 11, 014008.	1.4	3
125	Fluorescent nanodiamond bioconjugates on the base of barnase:barstar module. <i>Doklady Biochemistry and Biophysics</i> , 2011, 440, 231-233.	0.3	3
126	Holographic digital Fourier microscopy for selective imaging of biological tissue. <i>International Journal of Imaging Systems and Technology</i> , 2004, 14, 253-258.	2.7	2

#	ARTICLE	IF	CITATIONS
127	Dialysis-assisted fiber optic spectroscopy for in situ biomedical sensing. Journal of Biomedical Optics, 2006, 11, 014033.	1.4	2
128	Three-Dimensional Luminescence Tomographic Visualization of Biological Tissues. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 92-94.	0.2	2
129	Deferred Registration of Nanophosphor Photoluminescence As a Platform for Optical Bioimaging. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 95-101.	0.2	2
130	Glypicanâ€1 as a target for fluorescence molecular imaging of bladder cancer. International Journal of Urology, 2021, 28, 1290-1297.	0.5	2
131	Real-Time Tracking of Yb3+, Tm3+ Doped NaYF4 Nanoparticles in Living Cancer Cells. Sovremennyye Tehnologii V Medicine, 2018, 10, 57.	0.4	2
132	Features of Primary Hippocampal Cultures Formation on Scaffolds Based on Hyaluronic Acid Glycidyl Methacrylate. Sovremennyye Tehnologii V Medicine, 2018, 10, 103.	0.4	2
133	Chick Embryo Experimental Platform for Micrometastases Research in a 3D Tissue Engineering Model: Cancer Biology, Drug Development, and Nanotechnology Applications. Biomedicines, 2021, 9, 1578.	1.4	2
134	A new ring trap for frequency-standard applications. Applied Physics B: Lasers and Optics, 1994, 58, 295-301.	1.1	1
135	Full-field Fourier domain optical coherence tomography. , 2005, , .		1
136	Acellular organ scaffolds for tumor tissue engineering. , 2015, , .		1
137	Photoluminescent Nanomaterials for Medical Biotechnology. Acta Naturae, 2021, 13, 16-31.	1.7	1
138	An investigation of the detection of an ion cloud by means of electrons. Measurement Techniques, 1991, 34, 576-581.	0.2	0
139	Method for real time colour Doppler optical coherence tomography. , 0, , .		0
140	A new achromatic optical phase shifter based on a frequency-domain delay line. , 2001, , .		0
141	HIGH-SPEED GATED SURFACE PROFILING WITH CLOSED-LOOP OPTICAL COHERENCE TOPOGRAPHY. Biomedizinische Technik, 2002, 47, 189-190.	0.9	0
142	The Effect of Multiple Transverse Modes in Self-Mixing Sensors Based on Vertical-Cavity Surface-Emitting Lasers. , 0, , .		0
143	Signal-to-signal-to-noise ratio of full-field Fourier domain optical coherence tomography: experiment. , 2005, 5690, 430.		0
144	Optical modelling of the retina: Numerical solution for plane wave scattering by a single photoreceptor model. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
145	A Massively Parallel Imaging System Based on the Self-Mixing Effect in a Vertical-Cavity Surface-Emitting Laser Array. , 2006, , .		0
146	Phase-image-correlation-based high sensitive optical nanoscope. Proceedings of SPIE, 2010, , .	0.8	0
147	Interfacing nanodiamonds for single molecular optical-biomedical imaging. , 2011, , .		0
148	Systematic assessment of blood circulation time of functionalized upconversion nanoparticles in the chick embryo. , 2015, , .		0
149	Onion-like surface design of upconverting nanophosphors modified with polyethylenimine: shielding toxicity versus keeping brightness?. Proceedings of SPIE, 2016, , .	0.8	0
150	Near infrared luminescent-magnetic nanoparticles for bimodal imaging in vivo. , 2016, , .		0
151	A platform technology for the bioconjugation of nanoparticles in cancer theranostics. New Biotechnology, 2018, 44, S56.	2.4	0
152	Incoherent wavefront reconstruction by a retroemission device containing a thin fluorescent film: theory. Applied Optics, 2016, 55, 5554.	2.1	0
153	Acoustic detection of nanoparticle structural stability in physiological media after their laser irradiation. , 2020, , .		0
154	Lifetime imaging of the discrete nanophosphors in biological systems. SeĀenovskij Vestnik, 0, , .	0.3	0