

Vasily V Temnov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8477885/publications.pdf>

Version: 2024-02-01

42
papers

2,431
citations

257450

24
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

2814
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomy of inertial magnons in ferromagnetic nanostructures. <i>Physical Review B</i> , 2021, 104, .	3.2	19
2	Hyperbolic plasmonics with anisotropic gain"loss metasurfaces. <i>Optics Letters</i> , 2021, 46, 420.	3.3	2
3	Nondestructive Femtosecond Laser Lithography of Ni Nanocavities by Controlled Thermo-Mechanical Spallation at the Nanoscale. <i>Nano Letters</i> , 2020, 20, 7912-7918.	9.1	9
4	Magnetization switching in bistable nanomagnets by picosecond pulses of surface acoustic waves. <i>Physical Review B</i> , 2020, 101, .	3.2	27
5	Magneto-optical properties of Au upon the injection of hot spin-polarized electrons across Fe/Au(Oé%00e9%1) interfaces. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 124002.	1.8	13
6	Plasmonics of magnetic and topological graphene-based nanostructures. <i>Nanophotonics</i> , 2018, 7, 597-611.	6.0	38
7	Observation of the nonlinear Wood's anomaly on periodic arrays of nickel nanodimers. <i>Physical Review B</i> , 2018, 98, .	3.2	14
8	Transient grating generation of ultrafast surface magneto-elastic waves. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
9	Towards the nonlinear acousto-magneto-plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 093002.	2.2	36
10	Giant Faraday Rotation of High-Order Plasmonic Modes in Graphene-Covered Nanowires. <i>Nano Letters</i> , 2016, 16, 4391-4395.	9.1	23
11	Nonlinear Surface Magnetoplasmonics in Kretschmann Multilayers. <i>ACS Photonics</i> , 2016, 3, 179-183.	6.6	33
12	Femtosecond imaging of nonlinear acoustics in gold. <i>Optics Express</i> , 2014, 22, 4590.	3.4	13
13	Ultrafast optical detection of coherent acoustic phonons emission driven by superdiffusive hot electrons. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 282.	2.1	28
14	Femtosecond nonlinear ultrasonics in gold probed with ultrashort surface plasmons. <i>Nature Communications</i> , 2013, 4, 1468.	12.8	64
15	New Concept for Magnetization Switching by Ultrafast Acoustic Pulses. <i>Physical Review Letters</i> , 2013, 110, 266602.	7.8	102
16	Generation of ultrashort acoustic pulses in cobalt by ballistic electrons in gold. , 2013, , .		0
17	Nonlinear ultrasonics in gold-cobalt bilayer structures probed with femtosecond surface plasmons. , 2013, , .		0
18	Spectral dependence of the magnetic modulation of surface plasmon polaritons in noble/ferromagnetic/noble metal films. <i>Physical Review B</i> , 2012, 86, .	3.2	30

#	ARTICLE	IF	CITATIONS
19	Ultrafast acousto-magneto-plasmonics. Nature Photonics, 2012, 6, 728-736.	31.4	207
20	Active magneto-plasmonics in hybrid metal-ferromagnet structures. Nature Photonics, 2010, 4, 107-111.	31.4	450
21	Enhancement of the magnetic modulation of surface plasmon polaritons in Au/Co/Au films. Applied Physics Letters, 2010, 97, 183114.	3.3	56
22	Photon statistics in the cooperative spontaneous emission. Optics Express, 2009, 17, 5774.	3.4	54
23	Femtosecond surface plasmon interferometry. Optics Express, 2009, 17, 8423.	3.4	38
24	InGaAs Quantum Dots Coupled to a Reservoir of Nonequilibrium Free Carriers. IEEE Journal of Quantum Electronics, 2009, 45, 1121-1128.	1.9	28
25	Surface Plasmon Mediated Interference Phenomena in Low-Q Silver Nanowire Cavities. Nano Letters, 2008, 8, 31-35.	9.1	87
26	Impact of Coulomb Scattering on the Ultrafast Gain Recovery in InGaAs Quantum Dots. Physical Review Letters, 2008, 101, 256803.	7.8	61
27	Multiphoton ionization in dielectrics: Competition of circular and linear polarization. , 2007, , .		0
28	Femtosecond time-resolved imaging interferometry: A technique to investigate ultrafast phenomena in solids. , 2007, , .		0
29	Measuring group velocity of surface plasmons by surface plasmon interferometry. , 2007, , .		0
30	Surface plasmon interferometry: measuring group velocity of surface plasmons. Optics Letters, 2007, 32, 1235.	3.3	61
31	Femtosecond time-resolved imaging interferometry: A technique to investigate ultrafast phenomena in solids. , 2007, , .		0
32	Exciton-Plasmon-Photon Conversion in Plasmonic Nanostructures. Physical Review Letters, 2007, 99, 136802.	7.8	275
33	Exciton-Plasmon Interaction in a Composite Metal-Insulator-Semiconductor Nanowire System. Journal of the American Chemical Society, 2007, 129, 14939-14945.	13.7	78
34	Complete ground state gain recovery after ultrashort double pulses in quantum dot based semiconductor optical amplifier. Applied Physics Letters, 2007, 90, 033508.	3.3	90
35	Multiphoton Ionization in Dielectrics: Comparison of Circular and Linear Polarization. Physical Review Letters, 2006, 97, 237403.	7.8	174
36	Ultrafast imaging interferometry at femtosecond-laser-excited surfaces. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1954.	2.1	104

#	ARTICLE	IF	CITATIONS
37	Superradiance of quantum dots in microcavities. , 2006, , .		0
38	Superradiance and subradiance in the overdamped many-atom micromaser. Physical Review A, 2005, 71, .	2.5	12
39	Superradiance and Subradiance in an Inhomogeneously Broadened Ensemble of Two-Level Systems Coupled to a Low-QCavity. Physical Review Letters, 2005, 95, 243602.	7.8	147
40	Femtosecond time-resolved interferometric microscopy. Applied Physics A: Materials Science and Processing, 2004, 78, 483-489.	2.3	45
41	Ionization mechanisms in dielectrics irradiated by femtosecond laser pulses (Poster Award Paper). , 2004, , .		7
42	Magnetoâ€Plasmonics and Optical Activity in Grapheneâ€Based Nanowires. , 0, , .		0