

Sergey M Novikov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1007749/sergey-m-novikov-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,412
citations

23
h-index

48
g-index

82
ext. papers

2,936
ext. citations

4.7
avg, IF

4.93
L-index

#	Paper	IF	Citations
70	Detection of Hypertension-Induced Changes in Erythrocytes by SERS Nanosensors.. <i>Biosensors</i> , 2022 , 12,	5.9	1
69	Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H ₂ S atmosphere. <i>Applied Surface Science</i> , 2022 , 578, 151984	6.7	4
68	Topological phase singularities in atomically thin high-refractive-index materials.. <i>Nature Communications</i> , 2022 , 13, 2049	17.4	5
67	Thickness-Dependent Structural and Electrical Properties of WS Nanosheets Obtained via the ALD-Grown WO Sulfurization Technique as a Channel Material for Field-Effect Transistors.. <i>ACS Omega</i> , 2021 , 6, 34429-34437	3.9	2
66	Long-Term Stable Structures Formed by Ion-Beam Modification of Silver Film for SERS Applications. <i>Journal of Physics: Conference Series</i> , 2021 , 2015, 012099	0.3	0
65	UV/Ozone Treatment and Open-Air Copper Plasmonics. <i>Journal of Physics: Conference Series</i> , 2021 , 2015, 012148	0.3	1
64	Hybrid Metal-Dielectric-Metal Sandwiches for SERS Applications.. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
63	Cellular SERS structures for non-invasive study of living cells. <i>Journal of Physics: Conference Series</i> , 2021 , 2015, 012036	0.3	
62	Application of Pulsed Laser Deposition in the Preparation of a Promising MoS/WSe/C(111) Photocathode for Photo-Assisted Electrochemical Hydrogen Evolution. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
61	Halloysite Nanotubes with Immobilized Plasmonic Nanoparticles for Biophotonic Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4565	2.6	0
60	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
59	Gas-Aggregated Copper Nanoparticles with Long-term Plasmon Resonance Stability. <i>Plasmonics</i> , 2021 , 16, 333-340	2.4	6
58	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics. <i>Nature Communications</i> , 2021 , 12, 854	17.4	41
57	Comparison of CVD-grown and exfoliated graphene for biosensing applications 2021 ,		1
56	Excitonic nature of dispersion of two-dimensional transition metal dichalcogenides and effect of annealing on excitons. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012036	0.3	
55	Fractal Shaped Periodic Metal Nanostructures Atop Dielectric-Metal Substrates for SERS Applications. <i>ACS Photonics</i> , 2020 , 7, 1708-1715	6.3	9
54	Features of Sliding Friction on Thin-Film MoS ₂ Coatings Prepared by Pulsed Laser Deposition. <i>Journal of Friction and Wear</i> , 2020 , 41, 18-24	0.9	3

53	Broadband optical properties of monolayer and bulk MoS ₂ . <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	35
52	Engineering Nanoparticles with Pure High-Order Multipole Scattering. <i>ACS Photonics</i> , 2020 , 7, 1067-1075.	5.3	14
51	The formation of intermediate layers in covered Ge/Si heterostructures with low-temperature quantum dots: a study using high-resolution transmission electron microscopy and Raman spectroscopy. <i>Semiconductor Science and Technology</i> , 2020 , 35, 045012	1.8	1
50	Surface-Enhanced Raman Spectroscopy on Hybrid Graphene/Gold Substrates near the Percolation Threshold. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
49	Surface Physicochemical Treatment of Nickel Foam for Increasing Its Electrocatalytic Activity in Overall Water Splitting. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 458-466	0.6	1
48	Plasmonic properties of nanostructured graphene with silver nanoparticles. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012119	0.3	2
47	Ultra-thin gold films: towards 2D metals for photonic and optoelectronic applications. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012184	0.3	
46	Band Alignment in As-Transferred and Annealed Graphene/MoS ₂ Heterostructures. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900406	2.5	8
45	Pulsed Laser Deposition of Nanostructured MoS/np-Mo//WO Hybrid Catalyst for Enhanced (Photo) Electrochemical Hydrogen Evolution. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
44	Ultrathin and Ultrasoft Gold Films on Monolayer MoS ₂ . <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900196.	4.6	27
43	Two-Dimensional and Screw Growth of MoS ₂ Films in the Process of Chemical Deposition from the Gas Phase. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 596-601	0.8	2
42	The Effect of MoS _x Nanocoatings on the Water Electrolysis Performance Using a Nickel-Foam-Based Bifunctional Catalyst. <i>Physics of Atomic Nuclei</i> , 2019 , 82, 1332-1336	0.4	
41	Synthesis of Large Area Two-Dimensional MoS ₂ Films by Sulfurization of Atomic Layer Deposited MoO ₃ Thin Film for Nanoelectronic Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7521-7531	5.6	19
40	Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays. <i>ACS Nano</i> , 2019 , 13, 71-77.	16.7	32
39	Highly stable silver nanoparticles for SERS applications. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012098	0.3	2
38	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. <i>Langmuir</i> , 2017 , 33, 6062-6070	4	32
37	White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. <i>ACS Photonics</i> , 2017 , 4, 1207-1215	6.3	23
36	Direct Amplitude-Phase Near-Field Observation of Higher-Order Anapole States. <i>Nano Letters</i> , 2017 , 17, 7152-7159	11.5	57

35	Optical reconfiguration and polarization control in semi-continuous gold films close to the percolation threshold. <i>Nanoscale</i> , 2017 , 9, 12014-12024	7.7	10
34	Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. <i>Optics Express</i> , 2016 , 24, 16743-51	3.3	10
33	Sensing using plasmonic nanostructures and nanoparticles. <i>Nanotechnology</i> , 2015 , 26, 322001	3.4	169
32	Collective Plasmonic Properties in Few-Layer Gold Nanorod Supercrystals. <i>ACS Photonics</i> , 2015 , 2, 1482-1488	14.88	58
31	Plasmon Modes and Hot Spots in Gold Nanostar-Satellite Clusters. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10836-10843	3.8	50
30	Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2015 , 5, 13793	4.9	69
29	Hierarchical self-assembly of gold nanoparticles into patterned plasmonic nanostructures. <i>ACS Nano</i> , 2014 , 8, 10694-703	16.7	111
28	Pen-on-paper approach toward the design of universal surface enhanced Raman scattering substrates. <i>Small</i> , 2014 , 10, 3065-71	11	164
27	Using dynamic phase microscopy for studies of the neuron cytoplasm. <i>Moscow University Biological Sciences Bulletin</i> , 2014 , 69, 163-168	0.5	1
26	Gold Spiky Nanodumbbells: Anisotropy in Gold Nanostars. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 77-80	3.1	19
25	Tuning affinity and reversibility for O ₂ binding in dinuclear Co(II) complexes. <i>Dalton Transactions</i> , 2013 , 42, 9921-9	4.3	22
24	Demonstration of magnetic dipole resonances of dielectric nanospheres in the visible region. <i>Nano Letters</i> , 2012 , 12, 3749-55	11.5	684
23	Identification of abnormal stem cells using Raman spectroscopy. <i>Stem Cells and Development</i> , 2012 , 21, 2152-9	4.4	21
22	High resolution imaging of few-layer graphene. <i>Journal of Applied Physics</i> , 2012 , 111, 064305	2.5	23
21	Plasmonic black gold by adiabatic nanofocusing and absorption of light in ultra-sharp convex grooves. <i>Nature Communications</i> , 2012 , 3, 969	17.4	230
20	Surface-enhanced Raman microscopy of hemispherical shells stripped from templates of anodized aluminum. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 834-341	2.3	4
19	Optical properties of spherical gold mesoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 841-848	14.8	24
18	Extraordinary optical transmission with tapered slits: effect of higher diffraction and slit resonance orders. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 130	1.7	25

17	Characterization of localized field enhancements in laser fabricated gold needle nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 185	1.7	1
16	Polarization-resolved two-photon luminescence microscopy of V-groove arrays. <i>Optics Express</i> , 2012 , 20, 654-62	3.3	8
15	Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012 , 20, 534-46	3.3	8
14	Localized field enhancements in two-dimensional V-groove metal arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 372	1.7	12
13	Field enhancement and extraordinary optical transmission by tapered periodic slits in gold films. <i>New Journal of Physics</i> , 2011 , 13, 063029	2.9	34
12	Extraordinary optical transmission enhanced by nanofocusing. <i>Nano Letters</i> , 2010 , 10, 3123-8	11.5	72
11	Resonant plasmon nanofocusing by closed tapered gaps. <i>Nano Letters</i> , 2010 , 10, 291-5	11.5	72
10	Two-photon imaging of field enhancement by groups of gold nanostrip antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2199	1.7	3
9	Surface-enhanced Raman imaging of fractal shaped periodic metal nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2370	1.7	22
8	Surface enhanced Raman imaging: periodic arrays and individual metal nanoparticles. <i>Optics Express</i> , 2009 , 17, 12698-705	3.3	45
7	Surface enhanced Raman microscopy with metal nanoparticle arrays. <i>Journal of Optics</i> , 2009 , 11, 075004		25
6	Influence of weakened constant magnetic field on nerve cell excitability. <i>Biophysics (Russian Federation)</i> , 2008 , 53, 243-244	0.7	5
5	Two-photon mapping of localized field enhancements in thin nanostrip antennas. <i>Optics Express</i> , 2008 , 16, 17302-9	3.3	24
4	Peculiarities of studying an isolated neuron by the method of laser interference microscopy. <i>Quantum Electronics</i> , 2006 , 36, 874-878	1.8	17
3	Study of regular intracellular and membrane processes in neurons by laser interference microscopy. <i>Bulletin of Experimental Biology and Medicine</i> , 2005 , 140, 262-4	0.8	5
2	SERS uncovers the link between conformation of cytochrome c heme and mitochondrial membrane potential		2
1	Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators. <i>Laser and Photonics Reviews</i> , 2100604	8.3	5