

# Sergey S Kharintsev

## List of Publications by Year in descending order

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34  
papers

324  
citations

840776

11  
h-index

888059

17  
g-index

35  
all docs

35  
docs citations

35  
times ranked

394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic optical antenna design for performing tip-enhanced Raman spectroscopy and microscopy. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 145501.	2.8	34
2	Near-field optical taper antennas fabricated with a highly replicable ac electrochemical etching method. <i>Nanotechnology</i> , 2011, 22, 025202.	2.6	33
3	Nonlinear Raman Effects Enhanced by Surface Plasmon Excitation in Planar Refractory Nanoantennas. <i>Nano Letters</i> , 2017, 17, 5533-5539.	9.1	27
4	Tunable optical materials for multi-resonant plasmonics: from TiN to TiON [Invited]. <i>Optical Materials Express</i> , 2020, 10, 513.	3.0	26
5	Near-field Raman dichroism of azo-polymers exposed to nanoscale dc electrical and optical poling. <i>Nanoscale</i> , 2016, 8, 19867-19875.	5.6	18
6	Superresolution stimulated Raman scattering microscopy using 2-ENZ nano-composites. <i>Nanoscale</i> , 2019, 11, 7710-7719.	5.6	17
7	Etchant-based design of gold tip apexes for plasmon-enhanced Raman spectromicroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 139-143.	3.9	15
8	Polarization of near-field light induced with a plasmonic nanoantenna. <i>Physical Review B</i> , 2015, 92, .	3.2	14
9	Disordered Nonlinear Metalens for Raman Spectral Nanoimaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3862-3872.	8.0	14
10	Experimental Evidence for Axial Anisotropy beyond the Diffraction Limit Induced with a Bias Voltage Plasmonic Nanoantenna and Longitudinal Optical Near-Fields in Photoreactive Polymer Thin Films. <i>ACS Photonics</i> , 2014, 1, 1025-1032.	6.6	13
11	Photoinduced Heating of Freestanding Azo-Polymer Thin Films Monitored by Scanning Thermal Microscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3007-3012.	3.1	12
12	Nanoscale Sensing Vitrification of 3D Confined Glassy Polymers Through Refractory Thermoplasmonics. <i>ACS Photonics</i> , 2021, 8, 1477-1488.	6.6	12
13	Electrochemical design of plasmonic nanoantennas for tip-enhanced optical spectroscopy and imaging performance. <i>Optical Materials Express</i> , 2015, 5, 2225.	3.0	10
14	Near-field depolarization of tip-enhanced Raman scattering by single azo-chromophores. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24088-24098.	2.8	9
15	Synthesis and characterization of titanium nitride thin films for enhancement and localization of optical fields. <i>Thin Solid Films</i> , 2018, 653, 200-203.	1.8	8
16	Spectrally Resolving Coherent TERS Spectroscopy of Electrically Biased Carbon-Coated Fibers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14752-14758.	3.1	8
17	Far-field Raman color superlensing based on disordered plasmonics. <i>Optics Letters</i> , 2019, 44, 5909.	3.3	7
18	Sensing carbon allotropes in protective coatings on optical fibers with far-field and near-field Raman spectroscopy and microscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1346-1355.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Water-Anchored Edge Defects in Amorphous Carbon Probed with Thermal- and Electroassisted Raman Spectroscopy and Nanoscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15886-15894.	3.1	6
20	Determination of the Glass Transition Temperature of Freestanding and Supported Azo-Polymer Thin Films by Thermal Assisted Atomic Force Microscopy. <i>EPJ Web of Conferences</i> , 2017, 139, 00007.	0.3	5
21	Stimulated Raman Scattering in Metal-Dielectric Nanocomposites with Spectrally Degenerate Dielectric Constant. <i>JETP Letters</i> , 2019, 110, 766-770.	1.4	5
22	Water enrichment/depletion of amorphous carbon coatings probed by temperature-dependent dc electrical conductivity and Raman scattering. <i>Applied Surface Science</i> , 2021, 570, 151052.	6.1	5
23	Effect of secondary relaxation transitions on photo-induced anisotropy in glassy azobenzene-functionalized polymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6828-6833.	5.5	4
24	Nanoscale mobility mapping in semiconducting polymer films. <i>Ultramicroscopy</i> , 2020, 218, 113081.	1.9	4
25	Tip-Modified Raman tensor of a porphine molecule. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 442-451.	2.5	3
26	Nanoscale investigation of two-photon polymerized microstructures with tip-enhanced Raman spectroscopy. <i>JPhys Photonics</i> , 2021, 3, 024001.	4.6	3
27	Nanoscale Melting of 3D Confined Azopolymers through Tunable Thermoplasmonics. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5351-5357.	4.6	3
28	Influence of self-similar collisions on the Doppler broadening. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 2525-2538.	1.5	1
29	Study of Formation Mechanisms of Photo-Induced Dichroism in Azo-Containing Polymer Films. <i>Bulletin of the Lebedev Physics Institute</i> , 2018, 45, 95-98.	0.6	1
30	Tip-enhanced Stokes and anti-Stokes Raman scattering in defect-enriched carbon films. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012044.	0.4	1
31	Combined Ultramicrotomy and Atomic Force Microscopy Study of the Structure of a Bulk Heterojunction in Polymer Solar Cells. <i>Semiconductors</i> , 2018, 52, 105-111.	0.5	0
32	Simulation of photo-induced near-field heating of gold tapered nanoantenna. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
33	Study of the modification of the hydrophobic properties of thin carbon films via thermo-assisted Tip-Enhanced Raman Scattering method. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
34	Plasmon-Enhanced Stimulated Raman Scattering On The Surface Of Metallic Film. , 2021, , .		0