Sergey S Kharintsev

List of Publications by Year
in descending order

34	324	840776 11	888059 17
papers	citations	h-index	g-index

35	35	35	394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale Melting of 3D Confined Azopolymers through Tunable Thermoplasmonics. Journal of Physical Chemistry Letters, 2022, 13, 5351-5357.	4.6	3
2	Nanoscale investigation of two-photon polymerized microstructures with tip-enhanced Raman spectroscopy. JPhys Photonics, 2021, 3, 024001.	4.6	3
3	Nanoscale Sensing Vitrification of 3D Confined Glassy Polymers Through Refractory Thermoplasmonics. ACS Photonics, 2021, 8, 1477-1488.	6.6	12
4	Water enrichment/depletion of amorphous carbon coatings probed by temperature-dependent dc electrical conductivity and Raman scattering. Applied Surface Science, 2021, 570, 151052.	6.1	5
5	Tip-enhanced Stokes and anti-Stokes Raman scattering in defect-enriched carbon films. Journal of Physics: Conference Series, 2021, 2015, 012044.	0.4	1
6	Plasmon-Enhanced Stimulated Raman Scattering On The Surface Of Metallic Film. , 2021, , .		0
7	Disordered Nonlinear Metalens for Raman Spectral Nanoimaging. ACS Applied Materials & Interfaces, 2020, 12, 3862-3872.	8.0	14
8	Tipâ€modified Raman tensor of a porphine molecule. Journal of Raman Spectroscopy, 2020, 51, 442-451.	2.5	3
9	Nanoscale mobility mapping in semiconducting polymer films. Ultramicroscopy, 2020, 218, 113081.	1.9	4
10	Spectrally Resolving Coherent TERS Spectroscopy of Electrically Biased Carbon-Coated Fibers. Journal of Physical Chemistry C, 2020, 124, 14752-14758.	3.1	8
11	Water-Anchored Edge Defects in Amorphous Carbon Probed with Thermal- and Electroassisted Raman Spectroscopy and Nanoscopy. Journal of Physical Chemistry C, 2020, 124, 15886-15894.	3.1	6
12	Tunable optical materials for multi-resonant plasmonics: from TiN to TiON [Invited]. Optical Materials Express, 2020, 10, 513.	3.0	26
13	Simulation of photo-induced near-field heating of gold tapered nanoantenna. AIP Conference Proceedings, 2020, , .	0.4	0
14	Study of the modification of the hydrophobic properties of thin carbon films via thermo-assisted Tip-Enhanced Raman Scattering method. AIP Conference Proceedings, 2020, , .	0.4	0
15	Superresolution stimulated Raman scattering microscopy using 2-ENZ nano-composites. Nanoscale, 2019, 11, 7710-7719.	5.6	17
16	Stimulated Raman Scattering in Metal-Dielectric Nanocomposites with Spectrally Degenerate Dielectric Constant. JETP Letters, 2019, 110, 766-770.	1.4	5
17	Far-field Raman color superlensing based on disordered plasmonics. Optics Letters, 2019, 44, 5909.	3.3	7
18	Combined Ultramicrotomy and Atomic Force Microscopy Study of the Structure of a Bulk Heterojunction in Polymer Solar Cells. Semiconductors, 2018, 52, 105-111.	0.5	0

#	Article	IF	Citations
19	Synthesis and characterization of titanium nitride thin films for enhancement and localization of optical fields. Thin Solid Films, 2018, 653, 200-203.	1.8	8
20	Near-field depolarization of tip-enhanced Raman scattering by single azo-chromophores. Physical Chemistry Chemical Physics, 2018, 20, 24088-24098.	2.8	9
21	Study of Formation Mechanisms of Photo-Induced Dichroism in Azo-Containing Polymer Films. Bulletin of the Lebedev Physics Institute, 2018, 45, 95-98.	0.6	1
22	Photoinduced Heating of Freestanding Azo-Polymer Thin Films Monitored by Scanning Thermal Microscopy. Journal of Physical Chemistry C, 2017, 121, 3007-3012.	3.1	12
23	Effect of secondary relaxation transitions on photo-induced anisotropy in glassy azobenzene-functionalized polymers. Journal of Materials Chemistry C, 2017, 5, 6828-6833.	5.5	4
24	Determination of the Glass Transition Temperature of Freestanding and Supported Azo-Polymer Thin Films by Thermal Assisted Atomic Force Microscopy. EPJ Web of Conferences, 2017, 139, 00007.	0.3	5
25	Sensing carbon allotropes in protective coatings on optical fibers with farâ€•and nearâ€field <scp>R</scp>aman spectroscopy and microscopy. Journal of Raman Spectroscopy, 2017, 48, 1346-1355.	2.5	6
26	Nonlinear Raman Effects Enhanced by Surface Plasmon Excitation in Planar Refractory Nanoantennas. Nano Letters, 2017, 17, 5533-5539.	9.1	27
27	Etchant-based design of gold tip apexes for plasmon-enhanced Raman spectromicroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 139-143.	3.9	15
28	Near-field Raman dichroism of azo-polymers exposed to nanoscale dc electrical and optical poling. Nanoscale, 2016, 8, 19867-19875.	5.6	18
29	Polarization of near-field light induced with a plasmonic nanoantenna. Physical Review B, 2015, 92, .	3.2	14
30	Electrochemical design of plasmonic nanoantennas for tip-enhanced optical spectroscopy and imaging performance. Optical Materials Express, 2015, 5, 2225.	3.0	10
31	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. ACS Photonics, 2014, 1, 1025-1032.	6.6	13
32	Plasmonic optical antenna design for performing tip-enhanced Raman spectroscopy and microscopy. Journal Physics D: Applied Physics, 2013, 46, 145501.	2.8	34
33	Near-field optical taper antennas fabricated with a highly replicable ac electrochemical etching method. Nanotechnology, 2011, 22, 025202.	2.6	33
34	Influence of self-similar collisions on the Doppler broadening. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 2525-2538.	1.5	1