

Yevgeniya Kalachyova

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

828
citations

471371

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30
docs citations

30
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of trace amounts of insoluble pharmaceuticals in water by extraction and SERS measurements in a microfluidic flow regime. <i>Analyst</i> , The, 2021, 146, 3686-3696.	1.7	16
2	Enhancement of Surface Plasmon Fiber Sensor Sensitivity Through the Grafting of Gold Nanoparticles. <i>Photonic Sensors</i> , 2020, 10, 105-112.	2.5	6
3	Plasmon-assisted grafting of anisotropic nanoparticles – spatially selective surface modification and the creation of amphiphilic SERS nanoprobos. <i>Nanoscale</i> , 2020, 12, 14581-14588.	2.8	19
4	Rapid SERS-based recognition of cell secretome on the folic acid-functionalized gold gratings. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3309-3319.	1.9	12
5	Flexible Conductive Polymer Film Grafted with Azo-Moieties and Patterned by Light Illumination with Anisotropic Conductivity. <i>Polymers</i> , 2019, 11, 1856.	2.0	7
6	Longtime stability of silver-based SERS substrate in the environment and (bio)environment with variable temperature and humidity. <i>Sensors and Actuators A: Physical</i> , 2019, 285, 566-572.	2.0	13
7	Helicene-SPP-Based Chiral Plasmonic Hybrid Structure: Toward Direct Enantiomers SERS Discrimination. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1555-1562.	4.0	54
8	SERS platform for detection of lipids and disease markers prepared using modification of plasmonic-active gold gratings by lipophilic moieties. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 182-192.	4.0	35
9	Reversible switching of PEDOT:PSS conductivity in the dielectric – conductive range through the redistribution of light-governing polymers. <i>RSC Advances</i> , 2018, 8, 11198-11206.	1.7	12
10	Plasmon Catalysis on Bimetallic Surface – Selective Hydrogenation of Alkynes to Alkanes or Alkenes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26613-26622.	1.5	31
11	Flexible SERS substrate for portable Raman analysis of biosamples. <i>Applied Surface Science</i> , 2018, 458, 95-99.	3.1	50
12	Plasmon-Assisted Activation and Grafting by Iodonium Salt: Functionalization of Optical Fiber Surface. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800725.	1.9	26
13	Synthesis, Characterization, and Antimicrobial Activity of Near-IR Photoactive Functionalized Gold Multibranching Nanoparticles. <i>ChemistryOpen</i> , 2017, 6, 254-260.	0.9	23
14	Ultrasensitive and reproducible SERS platform of coupled Ag grating with multibranching Au nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14761-14769.	1.3	44
15	Surface modification of Au and Ag plasmonic thin films via diazonium chemistry: Evaluation of structure and properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 274-285.	2.3	53
16	Fast and Reproducible Wettability Switching on Functionalized PVDF/PMMA Surface Controlled by External Electric Field. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600886.	1.9	27
17	Pretreatment-free selective and reproducible SERS-based detection of heavy metal ions on DTPA functionalized plasmonic platform. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 830-838.	4.0	65
18	Large-Scale, Ultrasensitive, Highly Reproducible and Reusable Smart SERS Platform Based on PNIPAA-Grafted Gold Grating. <i>ChemNanoMat</i> , 2017, 3, 135-144.	1.5	33

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19	Design and optimization of the silver nanograting structure utilizing surface plasmon-polariton for increase of SERS sensor response. , 2017, , .		0
20	The Effect of Silver Grating and Nanoparticles Grafting for LSPâ€“SPP Coupling and SERS Response Intensification. Journal of Physical Chemistry C, 2016, 120, 10569-10577.	1.5	69
21	Smart Component for Switching of Plasmon Resonance by External Electric Field. ACS Applied Materials & Interfaces, 2016, 8, 225-231.	4.0	33
22	â€œArtificialâ€chirality induced in doped polymer by irradiation with circularly polarized excimer laser light. Optical Materials Express, 2015, 5, 2761.	1.6	2
23	Silver nanostructures: From individual dots to coupled strips for the tailoring of SERS excitation wavelength from near-UV to near-IR. Electronic Materials Letters, 2015, 11, 288-294.	1.0	15
24	Plasmo-optoelectronic tuning of optical properties and SERS response of ordered silver grating by free carrier generation. RSC Advances, 2015, 5, 92869-92877.	1.7	6
25	Surface Plasmon Polaritons on Silver Gratings for Optimal SERS Response. Journal of Physical Chemistry C, 2015, 119, 9506-9512.	1.5	67
26	Porphyrin migration and aggregation in a poly(methylmethacrylate) matrix. Polymer Composites, 2014, 35, 665-670.	2.3	9
27	Preparation of periodic surface structures on doped poly(methyl methacrylate) films by irradiation with KrF excimer laser. Nanoscale Research Letters, 2014, 9, 591.	3.1	28
28	Polymethylmethacrylate doped with porphyrin and silver nanoparticles as light-activated antimicrobial material. RSC Advances, 2014, 4, 50624-50630.	1.7	53
29	Annealing of laser patterned PMMA coated with gold and gallium. Journal of Materials Science: Materials in Electronics, 2013, 24, 3541-3545.	1.1	4
30	Surface morphology and optical properties of porphyrin/Au and Au/porphyrin/Au systems. Nanoscale Research Letters, 2013, 8, 547.	3.1	16