

Tomas Rindzevicius

List of Publications by Year in descending order

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65
papers

3,554
citations

201674

27
h-index

138484

58
g-index

66
all docs

66
docs citations

66
times ranked

4768
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing undyed microplastic particles and fibers with plasmon-enhanced fluorescence. <i>Chemical Engineering Journal</i> , 2022, 442, 136117.	12.7	9
2	Methotrexate Detection in Serum at Clinically Relevant Levels with Electrochemically Assisted SERS on a Benchtop, Custom Built Raman Spectrometer. <i>ACS Sensors</i> , 2022, 7, 2358-2369.	7.8	12
3	Large plasmonic color metasurfaces fabricated by super resolution deep UV lithography. <i>Nanoscale Advances</i> , 2021, 3, 2236-2244.	4.6	7
4	Surface-enhanced Raman Spectroscopy and Density Functional Theory Study of Glyphosate and Aminomethylphosphonic acid Using Silver Capped Silicon Nanopillars. <i>Universitas Scientiarum</i> , 2021, 26, 51-67.	0.4	5
5	Quantification of Methotrexate in Human Serum Using Surface-Enhanced Raman Scattering Toward Therapeutic Drug Monitoring. <i>ACS Sensors</i> , 2021, 6, 2664-2673.	7.8	24
6	Controlled Drug Release from Biodegradable Polymer Matrix Loaded in Microcontainers Using Hot Punching. <i>Pharmaceutics</i> , 2020, 12, 1050.	4.5	12
7	Experimental and First-Principles Spectroscopy of Cu_2SrSn_4 and Cu_2BaSn_4 Photoabsorbers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50446-50454.	8.0	13
8	Quantifying Optical Absorption of Single Plasmonic Nanoparticles and Nanoparticle Dimers Using Microstring Resonators. <i>ACS Sensors</i> , 2020, 5, 2067-2075.	7.8	5
9	Iron(III) complexing ability of new ligands based on natural $\hat{1}^3$ -pyrone maltol. <i>Polyhedron</i> , 2020, 187, 114650.	2.2	6
10	High-throughput label-free detection of Ochratoxin A in wine using supported liquid membrane extraction and Ag-capped silicon nanopillar SERS substrates. <i>Food Control</i> , 2020, 113, 107183.	5.5	29
11	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	6.5	50
12	Selective surface-enhanced Raman scattering detection of Tabun, VX and Cyclosarin nerve agents using 4-pyridine amide oxime functionalized gold nanopillars. <i>Talanta</i> , 2020, 211, 120721.	5.5	18
13	Quantitative SERS Assay on a Single Chip Enabled by Electrochemically Assisted Regeneration: A Method for Detection of Melamine in Milk. <i>Analytical Chemistry</i> , 2020, 92, 4317-4325.	6.5	53
14	Wide Line Surface-Enhanced Raman Scattering Mapping. <i>Advanced Materials Technologies</i> , 2020, 5, 1900999.	5.8	3
15	Wafer-Scale Polymer-Based Transparent Nanocorals with Excellent Nanoplasmonic Photothermal Stability for High-Power and Superfast SERS Imaging. <i>Advanced Optical Materials</i> , 2019, 7, 1901413.	7.3	16
16	Single-Crystalline Gold Nanodisks on WS_2 Mono- and Multilayers for Strong Coupling at Room Temperature. <i>ACS Photonics</i> , 2019, 6, 994-1001.	6.6	80
17	Gold Nanoparticles Sliding on Recyclable Nanohoods Engineered for Surface-Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2018, 28, 1704818.	14.9	57
18	Nanopillar-Assisted SERS Chromatography. <i>ACS Sensors</i> , 2018, 3, 2492-2498.	7.8	32

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19	Label-Free Quantification of Anticancer Drug Imatinib in Human Plasma with Surface Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 12670-12677.	6.5	46
20	Detecting forensic substances using commercially available SERS substrates and handheld Raman spectrometers. <i>Talanta</i> , 2018, 189, 649-652.	5.5	53
21	Hand-Held Femtogram Detection of Hazardous Picric Acid with Hydrophobic Ag Nanopillar SERS Substrates and Mechanism of Elasto-Capillarity. <i>ACS Sensors</i> , 2017, 2, 198-202.	7.8	81
22	Detection of surface-linked polychlorinated biphenyls using surface-enhanced Raman scattering spectroscopy. <i>Vibrational Spectroscopy</i> , 2017, 90, 1-6.	2.2	12
23	Surface Enhanced Raman Scattering for Quantification of <i>p</i> -Coumaric Acid Produced by <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2017, 89, 3981-3987.	6.5	22
24	SERS detection of the biomarker hydrogen cyanide from <i>Pseudomonas aeruginosa</i> cultures isolated from cystic fibrosis patients. <i>Scientific Reports</i> , 2017, 7, 45264.	3.3	26
25	Nanopillar Filters for Surface-Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2017, 2, 1400-1404.	7.8	28
26	Optimizing silver-capped silicon nanopillars to simultaneously realize macroscopic, practical-level SERS signal reproducibility and high enhancement at low costs. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1808-1818.	2.5	20
27	SERS spectroscopy for detection of hydrogen cyanide in breath from children colonised with <i>P. aeruginosa</i> . <i>Analytical Methods</i> , 2017, 9, 5757-5762.	2.7	5
28	Fabrication and characterization of Au dimer antennas on glass pillars with enhanced plasmonic response. <i>Nanophotonics</i> , 2017, 7, 497-505.	6.0	16
29	Detection of <i>p</i> -coumaric Acid from Cell Supernatant Using Surface Enhanced Raman Scattering. <i>Procedia Technology</i> , 2017, 27, 190-192.	1.1	5
30	Large-Scale, Lithography-Free Production of Transparent Nanostructured Surface for Dual-Functional Electrochemical and SERS Sensing. <i>ACS Sensors</i> , 2017, 2, 1869-1875.	7.8	27
31	A pseudo-Voigt component model for high-resolution recovery of constituent spectra in Raman spectroscopy. , 2017, , .		2
32	Nanocylinders: Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing (Small 48/2016). <i>Small</i> , 2016, 12, 6636-6636.	10.0	1
33	Click chemistry based biomolecular conjugation monitoring using surface-enhanced Raman spectroscopy mapping. , 2016, , .		1
34	DNA self-assembly on graphene surface studied by SERS mapping. <i>Carbon</i> , 2016, 109, 363-372.	10.3	24
35	Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing. <i>Small</i> , 2016, 12, 6745-6752.	10.0	25
36	Wafer-Scale Nanopillars Derived from Block Copolymer Lithography for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15668-15675.	8.0	37

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37	Detection of nerve gases using surface-enhanced Raman scattering substrates with high droplet adhesion. <i>Nanoscale</i> , 2016, 8, 1305-1308.	5.6	91
38	Supercritical impregnation of polymer matrices spatially confined in microcontainers for oral drug delivery: Effect of temperature, pressure and time. <i>Journal of Supercritical Fluids</i> , 2016, 107, 145-152.	3.2	28
39	Adsorption and Vibrational Study of Folic Acid on Gold Nanopillar Structures Using Surface-Enhanced Raman Scattering Spectroscopy. <i>Nanomaterials and Nanotechnology</i> , 2015, 5, 29.	3.0	33
40	Silver-capped silicon nanopillar platforms for adsorption studies of folic acid using surface enhanced Raman spectroscopy and density functional theory. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1087-1094.	2.5	21
41	Orientation of Pterin-6-Carboxylic Acid on Gold Capped Silicon Nanopillars Platforms: Surface Enhanced Raman Spectroscopy and Density Functional Theory Studies. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	0
42	Mathematical model for biomolecular quantification using surface-enhanced Raman spectroscopy based signal intensity distributions. , 2015, , .		0
43	Wafer-Scale Leaning Silver Nanopillars for Molecular Detection at Ultra-Low Concentrations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2053-2062.	3.1	71
44	Dense high-aspect ratio 3D carbon pillars on interdigitated microelectrode arrays. <i>Carbon</i> , 2015, 94, 792-803.	10.3	28
45	Towards quantitative SERS detection of hydrogen cyanide at ppb level for human breath analysis. <i>Sensing and Bio-Sensing Research</i> , 2015, 5, 84-89.	4.2	34
46	Explosive and chemical threat detection by surface-enhanced Raman scattering: A review. <i>Analytica Chimica Acta</i> , 2015, 893, 1-13.	5.4	252
47	Mathematical model for biomolecular quantification using large-area surface-enhanced Raman spectroscopy mapping. <i>RSC Advances</i> , 2015, 5, 85845-85853.	3.6	8
48	Plasmon resonances of Ag capped Si nanopillars fabricated using mask-less lithography. <i>Optics Express</i> , 2015, 23, 12965.	3.4	52
49	Photothermal probing of plasmonic hotspots with nanomechanical resonator. , 2014, , .		1
50	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	14
51	Low-Power Photothermal Probing of Single Plasmonic Nanostructures with Nanomechanical String Resonators. <i>Nano Letters</i> , 2014, 14, 2318-2321.	9.1	39
52	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. <i>Chemical Physics Letters</i> , 2013, 564, 60-64.	2.6	12
53	Non-covalent conjugates of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1475.	5.8	45
54	Surface-Enhanced Raman Spectroscopy Based Quantitative Bioassay on Aptamer-Functionalized Nanopillars Using Large-Area Raman Mapping. <i>ACS Nano</i> , 2013, 7, 5350-5359.	14.6	124

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55	High Volume Nanoimprint Lithography: Application Area Organic Electronics. , 2011, , .		0
56	Plasmonic Properties of Silver Trimers with Trigonal Symmetry Fabricated by Electron-Beam Lithography. Journal of Physical Chemistry C, 2008, 112, 14313-14317.	3.1	70
57	Nanohole Plasmons in Optically Thin Gold Films. Journal of Physical Chemistry C, 2007, 111, 1207-1212.	3.1	151
58	Long-Range Refractive Index Sensing Using Plasmonic Nanostructures. Journal of Physical Chemistry C, 2007, 111, 11806-11810.	3.1	77
59	Plasmonic and Diffractive Coupling in 2D Arrays of Nanoparticles produced by Electron Beam Lithography. Materials Research Society Symposia Proceedings, 2006, 951, 20.	0.1	3
60	Controlling Plasmon Line Shapes through Diffractive Coupling in Linear Arrays of Cylindrical Nanoparticles Fabricated by Electron Beam Lithography. Nano Letters, 2005, 5, 1065-1070.	9.1	416
61	Confined Plasmons in Nanofabricated Single Silver Particle Pairs: Experimental Observations of Strong Interparticle Interactions. Journal of Physical Chemistry B, 2005, 109, 1079-1087.	2.6	488
62	Localized Surface Plasmon Resonance Sensing of Lipid-Membrane-Mediated Biorecognition Events. Journal of the American Chemical Society, 2005, 127, 5043-5048.	13.7	272
63	Plasmonic Sensing Characteristics of Single Nanometric Holes. Nano Letters, 2005, 5, 2335-2339.	9.1	248
64	Surface-Based Gold-Nanoparticle Sensor for Specific and Quantitative DNA Hybridization Detection. Langmuir, 2003, 19, 10414-10419.	3.5	103
65	Surface-Enhanced Raman Spectroscopy Characterization of Pristine and Functionalized Carbon Nanotubes and Graphene. , 0, , .		6