

# Tuan Vo-Dinh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8953000/publications.pdf>

Version: 2024-02-01

422  
papers

22,056  
citations

6613

79  
h-index

12272

133  
g-index

432  
all docs

432  
docs citations

432  
times ranked

17191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
2	Gold nanostars: surfactant-free synthesis, 3D modelling, and two-photon photoluminescence imaging. Nanotechnology, 2012, 23, 075102.	2.6	619
3	Gold Nanostars For Surface-Enhanced Raman Scattering: Synthesis, Characterization and Optimization. Journal of Physical Chemistry C, 2008, 112, 18849-18859.	3.1	608
4	TAT Peptide-Functionalized Gold Nanostars: Enhanced Intracellular Delivery and Efficient NIR Photothermal Therapy Using Ultralow Irradiance. Journal of the American Chemical Society, 2012, 134, 11358-11361.	13.7	491
5	Surface-enhanced Raman spectroscopy using metallic nanostructures. The submitted manuscript has been authored by a contractor of the U.S Government under contract No. DE-AC05-96OR22464. Accordingly, the U.S. Government retains a nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or allow others to do so, for U.S. Government purposes.1. TrAC - Trends in Analytical Chemistry, 1998, 17, 557-582.	11.4	448
6	Biosensors and biochips: advances in biological and medical diagnostics. Fresenius' Journal of Analytical Chemistry, 2000, 366, 540-551.	1.5	441
7	Multicomponent analysis by synchronous luminescence spectrometry. Analytical Chemistry, 1978, 50, 396-401.	6.5	417
8	Plant cell-surface GIPC sphingolipids sense salt to trigger Ca <sup>2+</sup> influx. Nature, 2019, 572, 341-346.	27.8	341
9	Surface-enhanced Raman spectrometry for trace organic analysis. Analytical Chemistry, 1984, 56, 1667-1670.	6.5	307
10	Endoscopic fluorescence detection of high-grade dysplasia in Barrett's esophagus. Gastroenterology, 1996, 111, 93-101.	1.3	269
11	A Plasmonic Gold Nanostar Theranostic Probe for <i>In Vivo</i> Tumor Imaging and Photothermal Therapy. Theranostics, 2015, 5, 946-960.	10.0	254
12	Surface-Enhanced Raman Gene Probe for HIV Detection. Analytical Chemistry, 1998, 70, 1352-1356.	6.5	249
13	Detection of Human Immunodeficiency Virus Type 1 DNA Sequence Using Plasmonics Nanoprobes. Analytical Chemistry, 2005, 77, 7810-7815.	6.5	230
14	Surface-Enhanced Raman Gene Probes. Analytical Chemistry, 1994, 66, 3379-3383.	6.5	226
15	Nanosensors and biochips: frontiers in biomolecular diagnostics. Sensors and Actuators B: Chemical, 2001, 74, 2-11.	7.8	209
16	Surface-enhanced Raman scattering for medical diagnostics and biological imaging. Journal of Raman Spectroscopy, 2005, 36, 640-647.	2.5	209
17	Silica-Coated Gold Nanostars for Combined Surface-Enhanced Raman Scattering (SERS) Detection and Singlet-Oxygen Generation: A Potential Nanoplatfrom for Theranostics. Langmuir, 2011, 27, 12186-12190.	3.5	208
18	Cancer gene detection using surface-enhanced Raman scattering (SERS). Journal of Raman Spectroscopy, 2002, 33, 511-516.	2.5	200

#	ARTICLE	IF	CITATIONS
19	Plasmonic nanoprobe for SERS biosensing and bioimaging. <i>Journal of Biophotonics</i> , 2010, 3, 89-102.	2.3	187
20	Near-Field Surface-Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution. <i>Analytical Chemistry</i> , 1998, 70, 2646-2650.	6.5	183
21	Surface-Enhanced Raman Scattering Substrate Based on a Self-Assembled Monolayer for Use in Gene Diagnostics. <i>Analytical Chemistry</i> , 2003, 75, 6196-6201.	6.5	169
22	In vivo particle tracking and photothermal ablation using plasmon-resonant gold nanostars. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1355-1363.	3.3	168
23	Development of an integrated single-fiber SERS sensor. <i>Sensors and Actuators B: Chemical</i> , 2000, 69, 28-36.	7.8	162
24	Gold nanoparticles-mediated photothermal therapy and immunotherapy. <i>Immunotherapy</i> , 2018, 10, 1175-1188.	2.0	162
25	Surface-enhanced Raman scattering detection of the breast cancer susceptibility gene BRCA1 using a silver-coated microarray platform. <i>Analytica Chimica Acta</i> , 2002, 469, 149-154.	5.4	155
26	Surface-enhanced Raman spectrometry of organo phosphorus chemical agents. <i>Analytical Chemistry</i> , 1987, 59, 2149-2153.	6.5	151
27	Development of an Advanced Hyperspectral Imaging (HSI) System with Applications for Cancer Detection. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1061-1068.	2.5	150
28	Near-field surface-enhanced Raman spectroscopy of dye molecules adsorbed on silver island films. <i>Chemical Physics Letters</i> , 1998, 283, 381-385.	2.6	148
29	Antibody-Based Fiber Optics Biosensor for the Carcinogen Benzo(a)pyrene. <i>Applied Spectroscopy</i> , 1987, 41, 735-738.	2.2	147
30	DNA Biochip Using a Phototransistor Integrated Circuit. <i>Analytical Chemistry</i> , 1999, 71, 358-363.	6.5	147
31	In vivo cancer diagnosis of the esophagus using differential normalized fluorescence (DNF) indices. <i>Lasers in Surgery and Medicine</i> , 1995, 16, 41-47.	2.1	142
32	Surface-enhanced Raman scattering detection of chemical and biological agents using a portable Raman integrated tunable sensor. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 61-66.	7.8	142
33	Quantitative Surface-Enhanced Resonant Raman Scattering Multiplexing of Biocompatible Gold Nanostars for in Vitro and ex Vivo Detection. <i>Analytical Chemistry</i> , 2013, 85, 208-212.	6.5	141
34	Antibody-based nanoprobe for measurement of a fluorescent analyte in a single cell. <i>Nature Biotechnology</i> , 2000, 18, 764-767.	17.5	139
35	A hyperspectral imaging system for in vivo optical diagnostics. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2004, 23, 40-49.	0.8	136
36	Label-Free DNA Biosensor Based on SERS Molecular Sentinel on Nanowave Chip. <i>Analytical Chemistry</i> , 2013, 85, 6378-6383.	6.5	135

#	ARTICLE	IF	CITATIONS
37	Fiber-optic chemical sensors for competitive binding fluoroimmunoassay. <i>Analytical Chemistry</i> , 1987, 59, 1226-1230.	6.5	134
38	Plasmonic nanoprobe: from chemical sensing to medical diagnostics and therapy. <i>Nanoscale</i> , 2013, 5, 10127.	5.6	134
39	Development of Hybrid Silver-Coated Gold Nanostars for Nonaggregated Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3708-3715.	3.1	134
40	SERS-based plasmonic nanobiosensing in single living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1135-1141.	3.7	130
41	Spectral characterization and intracellular detection of Surface-Enhanced Raman Scattering (SERS)-encoded plasmonic gold nanostars. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 234-239.	2.5	128
42	SERS chemical sensors and biosensors: new tools for environmental and biological analysis. <i>Sensors and Actuators B: Chemical</i> , 1995, 29, 183-189.	7.8	127
43	Self-Assembly of Silver Nanoparticles: Synthesis, Stabilization, Optical Properties, and Application in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13436-13444.	2.6	123
44	Multiplex detection of breast cancer biomarkers using plasmonic molecular sentinel nanoprobe. <i>Nanotechnology</i> , 2009, 20, 065101.	2.6	121
45	Surface-enhanced Raman Scattering (SERS) method and instrumentation for genomics and biomedical analysis. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 785-793.	2.5	120
46	Investigation of Experimental Parameters for Surface-Enhanced Raman Scattering (SERS) Using Silver-Coated Microsphere Substrates. <i>Applied Spectroscopy</i> , 1987, 41, 966-970.	2.2	119
47	Detection of nitro-polynuclear aromatic compounds by surface-enhanced Raman spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 1119-1123.	6.5	118
48	Application of surface-enhanced Raman scattering (SERS) for the identification of anthraquinone dyes used in works of art. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 520-527.	2.5	115
49	Synchronous Luminescence Spectroscopy: Methodology and Applicability. <i>Applied Spectroscopy</i> , 1982, 36, 576-581.	2.2	114
50	Synergistic Immuno Photothermal Nanotherapy (SYMPHONY) for the Treatment of Unresectable and Metastatic Cancers. <i>Scientific Reports</i> , 2017, 7, 8606.	3.3	113
51	Polycyclic aromatic hydrocarbons in the atmospheres of Titan and Jupiter. <i>Astrophysical Journal</i> , 1993, 414, 399.	4.5	112
52	Spectroscopic diagnosis of esophageal cancer: New classification model, improved measurement system. <i>Gastrointestinal Endoscopy</i> , 1995, 41, 577-581.	1.0	111
53	Sensitive DNA detection and SNP discrimination using ultrabright SERS nanorattles and magnetic beads for malaria diagnostics. <i>Biosensors and Bioelectronics</i> , 2016, 81, 8-14.	10.1	111
54	Intracellular Measurements in Mammary Carcinoma Cells Using Fiber-Optic Nanosensors. <i>Analytical Biochemistry</i> , 2000, 277, 25-32.	2.4	110

#	ARTICLE	IF	CITATIONS
55	Multiplexed Detection of MicroRNA Biomarkers Using SERS-Based Inverse Molecular Sentinel (iMS) Nanoprobes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21047-21055.	3.1	109
56	Laser-induced fluorescence spectroscopy for in vivo diagnosis of non-melanoma skin cancers. <i>Lasers in Surgery and Medicine</i> , 2002, 31, 367-373.	2.1	107
57	Plasmonic Nanoparticles and Nanowires: Design, Fabrication and Application in Sensing. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7480-7488.	3.1	105
58	Optical Sensor for the Detection of Caspase-9 Activity in a Single Cell. <i>Journal of the American Chemical Society</i> , 2004, 126, 2799-2806.	13.7	104
59	<scp>SERS</scp> Nanosensors and Nanoreporters: Golden Opportunities in Biomedical Applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 17-33.	6.1	103
60	Plasmonics of 3-D Nanoshell Dimers Using Multipole Expansion and Finite Element Method. <i>ACS Nano</i> , 2009, 3, 2776-2788.	14.6	100
61	Heavy-atom effect on room temperature phosphorimetry. <i>Analytical Chemistry</i> , 1976, 48, 1186-1188.	6.5	99
62	Narrow groove plasmonic nano-gratings for surface plasmon resonance sensing. <i>Optics Express</i> , 2011, 19, 787.	3.4	98
63	Selective heavy-atom perturbation for analysis of complex mixtures by room-temperature phosphorimetry. <i>Analytical Chemistry</i> , 1979, 51, 1915-1921.	6.5	96
64	Monitoring and characterization of polyaromatic compounds in the environment. <i>Talanta</i> , 1998, 47, 943-969.	5.5	95
65	Titanium Dioxide Based Substrate for Optical Monitors in Surface-Enhanced Raman Scattering Analysis. <i>Analytical Chemistry</i> , 1989, 61, 1779-1783.	6.5	92
66	A Miniature Biochip System for Detection of Aerosolized <i>Bacillus globigii</i> Spores. <i>Analytical Chemistry</i> , 2003, 75, 275-280.	6.5	92
67	Surface-Enhanced-Raman-Scattering-Inducing Nanoprobe for Spectrochemical Analysis. <i>Applied Spectroscopy</i> , 2004, 58, 292-298.	2.2	92
68	Quintuple-modality (SERS-MRI-CT-TPL-PTT) plasmonic nanoprobe for theranostics. <i>Nanoscale</i> , 2013, 5, 12126.	5.6	92
69	Plasmonic SERS biosensing nanochips for DNA detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1773-1781.	3.7	90
70	Direct determination of selected polynuclear aromatic hydrocarbons in a coal liquefaction product by synchronous luminescence techniques. <i>Analytica Chimica Acta</i> , 1981, 125, 13-19.	5.4	89
71	Silver-Coated Alumina as a New Medium for Surface-Enhanced Raman Scattering Analysis. <i>Applied Spectroscopy</i> , 1989, 43, 1325-1330.	2.2	89
72	Comparison of FDTD numerical computations and analytical multipole expansion method for plasmonics-active nanosphere dimers. <i>Optics Express</i> , 2009, 17, 9688.	3.4	89

#	ARTICLE	IF	CITATIONS
73	Photoelectrocatalysis: principles, nanoemitter applications and routes to bio-inspired systems. <i>Energy and Environmental Science</i> , 2010, 3, 748.	30.8	88
74	Nanoprobes and nanobiosensors for monitoring and imaging individual living cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006, 2, 22-30.	3.3	86
75	The development of optical nanosensors for biological measurements. <i>Trends in Biotechnology</i> , 2000, 18, 388-393.	9.3	85
76	Silver particles on stochastic quartz substrates providing tenfold increase in Raman enhancement. <i>The Journal of Physical Chemistry</i> , 1985, 89, 1843-1846.	2.9	83
77	Fiber-optic nanosensors for single-cell monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 918-925.	3.7	82
78	Analysis of a workplace air particulate sample by synchronous luminescence and room-temperature phosphorescence. <i>Analytical Chemistry</i> , 1981, 53, 253-258.	6.5	81
79	Demonstration of Surface-Enhanced Raman Scattering by Tunable, Plasmonic Gallium Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 12032-12033.	13.7	81
80	Activity of Psoralen-Functionalized Nanoscintillators against Cancer Cells upon X-ray Excitation. <i>ACS Nano</i> , 2011, 5, 4679-4687.	14.6	81
81	Surface-enhanced Raman spectrometry with silver particles on stochastic-post substrates. <i>Analytica Chimica Acta</i> , 1986, 181, 139-148.	5.4	80
82	Surface-Enhanced Raman Detection of Nerve Agent Simulant (DMMP and DIMP) Vapor on Electrochemically Prepared Silver Oxide Substrates. <i>Journal of Raman Spectroscopy</i> , 1996, 27, 379-384.	2.5	79
83	Investigation of microfabrication of biological sample arrays using piezoelectric and bubble-jet printing technologies. <i>Analytica Chimica Acta</i> , 2004, 518, 77-85.	5.4	76
84	Manipulation of the Geometry and Modulation of the Optical Response of Surfactant-Free Gold Nanostars: A Systematic Bottom-Up Synthesis. <i>ACS Omega</i> , 2018, 3, 2202-2210.	3.5	76
85	Detection of Cytochrome c in a Single Cell Using an Optical Nanobiosensor. <i>Analytical Chemistry</i> , 2004, 76, 2591-2594.	6.5	75
86	Cell-Penetrating Peptide Enhanced Intracellular Raman Imaging and Photodynamic Therapy. <i>Molecular Pharmaceutics</i> , 2013, 10, 2291-2298.	4.6	75
87	DNA bioassay-on-chip using SERS detection for dengue diagnosis. <i>Analyst</i> , 2014, 139, 5655-5659.	3.5	75
88	Nomenclature, symbols, units and their usage in spectrochemical analysis-XI. Detection of radiation (IUPAC Recommendations 1995). <i>Pure and Applied Chemistry</i> , 1995, 67, 1745-1760.	1.9	69
89	Surface-Enhanced Raman Scattering Fiber-Optic Sensor. <i>Applied Spectroscopy</i> , 1990, 44, 63-69.	2.2	67
90	Plasmonic Gold Nanostars for Multi-Modality Sensing and Diagnostics. <i>Sensors</i> , 2015, 15, 3706-3720.	3.8	66

#	ARTICLE	IF	CITATIONS
91	Microarray sampling-platform fabrication using bubble-jet technology for a biochip system. Fresenius' Journal of Analytical Chemistry, 2001, 371, 146-150.	1.5	65
92	A compact CMOS biochip immunosensor towards the detection of a single bacteria. Biosensors and Bioelectronics, 2005, 20, 2203-2209.	10.1	64
93	Detection of E. coli using a microfluidics-based antibody biochip detection system. Fresenius' Journal of Analytical Chemistry, 2001, 369, 295-301.	1.5	62
94	pH-sensitive nanostar probe using surface-enhanced Raman scattering (SERS): theoretical and experimental studies. Journal of Raman Spectroscopy, 2013, 44, 980-986.	2.5	61
95	Synchronous spectroscopy for analysis of polynuclear aromatic compounds. Environmental Science & Technology, 1978, 12, 1297-1302.	10.0	60
96	Surface-Enhanced Raman of Dopamine and Neurotransmitters Using Sol-Gel Substrates and Polymer-Coated Fiber-Optic Probes. Applied Spectroscopy, 2000, 54, 1842-1848.	2.2	60
97	Surface-Enhanced Raman Analysis of Benzo[A]Pyrene-DNA Adducts on Silver-Coated Cellulose Substrates. Applied Spectroscopy, 1987, 41, 605-610.	2.2	59
98	Application of a miniature biochip using the molecular beacon probe in breast cancer gene BRCA1 detection. Biosensors and Bioelectronics, 2004, 19, 1007-1012.	10.1	59
99	Focused ion beam fabrication of metallic nanostructures on end faces of optical fibers for chemical sensing applications. Journal of Vacuum Science & Technology B, 2008, 26, 2168-2173.	1.3	59
100	Plasmonics-based SERS nanobiosensor for homogeneous nucleic acid detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 811-814.	3.3	57
101	Fiber-optrode SERS probes using plasmonic silver-coated gold nanostars. Sensors and Actuators B: Chemical, 2019, 287, 95-101.	7.8	57
102	Plasmonic nanoprobe for intracellular sensing and imaging. Analytical and Bioanalytical Chemistry, 2013, 405, 6165-6180.	3.7	56
103	Multifunctional gold nanostars for molecular imaging and cancer therapy. Frontiers in Chemistry, 2015, 3, 51.	3.6	56
104	Immunosensors: Principles and Applications. ImmunoMethods, 1993, 3, 85-92.	0.8	55
105	Surface-enhanced Raman scattering detection of chemical and biological agent simulants. IEEE Sensors Journal, 2005, 5, 665-670.	4.7	55
106	Silver embedded nanostars for SERS with internal reference (SENSIR). Journal of Materials Chemistry C, 2015, 3, 7319-7324.	5.5	55
107	Plasmonic gold nanostar-mediated photothermal immunotherapy for brain tumor ablation and immunologic memory. Immunotherapy, 2019, 11, 1293-1302.	2.0	55
108	Investigating the plasmonics of a dipole-excited silver nanoshell: Mie theory versus finite element method. Nanotechnology, 2010, 21, 315203.	2.6	54

#	ARTICLE	IF	CITATIONS
109	Plasmonics-enhanced and optically modulated delivery of gold nanostars into brain tumor. <i>Nanoscale</i> , 2014, 6, 4078-4082.	5.6	54
110	Recent advances in surface-enhanced Raman spectrometry for chemical analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1988, 43, 605-615.	2.9	51
111	Fluorescence monitoring of a benzo[a]pyrene metabolite using a regenerable immunochemical-based fiber-optic sensor. <i>Analytica Chimica Acta</i> , 1990, 236, 237-244.	5.4	51
112	Laser-Induced Fluorescence for Esophageal Cancer and Dysplasia Diagnosis. <i>Annals of the New York Academy of Sciences</i> , 1998, 838, 116-122.	3.8	51
113	Cellular Uptake and Photodynamic Activity of Protein Nanocages Containing Methylene Blue Photosensitizing Drug. <i>Photochemistry and Photobiology</i> , 2010, 86, 662-666.	2.5	51
114	Compact point-detection fluorescence spectroscopy system for quantifying intrinsic fluorescence redox ratio in brain cancer diagnostics. <i>Journal of Biomedical Optics</i> , 2011, 16, 037004.	2.6	51
115	Assessing the Location of Surface Plasmons Over Nanotriangle and Nanohole Arrays of Different Size and Periodicity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6884-6892.	3.1	51
116	Analysis of short-pulse laser photon transport through tissues for optical tomography. <i>Optics Letters</i> , 2002, 27, 336.	3.3	49
117	Development of antibody-based fiber-optic sensors for detection of a benzo[a]pyrene metabolite. <i>Analytical Chemistry</i> , 1988, 60, 1901-1908.	6.5	48
118	Hyperspectral surface-enhanced Raman imaging of labeled silver nanoparticles in single cells. <i>Review of Scientific Instruments</i> , 2005, 76, 063710.	1.3	48
119	The applicability of the second-derivative method to room-temperature phosphorescence analysis. <i>Analytica Chimica Acta</i> , 1979, 107, 261-271.	5.4	47
120	Direct Detection of Unamplified Pathogen RNA in Blood Lysate using an Integrated Lab-in-a-Stick Device and Ultrabright SERS Nanorattles. <i>Scientific Reports</i> , 2018, 8, 4075.	3.3	47
121	Development of a DNA biochip: principle and applications. The submitted manuscript has been authored by a contractor of the US Government under contract No. DE-AC05-96OR22464. Accordingly, the US Government retains a nonexclusive royalty-free license to publish or reproduce the published form of this contribution, or allow others to do so, for US Government purposes.1. <i>Sensors and Actuators B: Chemical</i> , 2000, 51, 52-58.	7.8	46
122	Direct identification of alizarin and lac dye on painting fragments using surface-enhanced Raman scattering. <i>Analytica Chimica Acta</i> , 2006, 569, 234-237.	5.4	46
123	Multiplex detection of disease biomarkers using SERS molecular sentinel-on-chip. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3335-3344.	3.7	46
124	Development of a compact, handheld Raman instrument with no moving parts for use in field analysis. <i>Review of Scientific Instruments</i> , 2000, 71, 1602-1607.	1.3	45
125	Intensified Charge Coupled Device-Based Fiber-Optic Monitor for Rapid Remote Surface-Enhanced Raman Scattering Sensing. <i>Applied Spectroscopy</i> , 1992, 46, 1608-1612.	2.2	44
126	Hyperspectral Fluorescence Imaging for Mouse Skin Tumor Detection. <i>ETRI Journal</i> , 2006, 28, 770-776.	2.0	44



#	ARTICLE	IF	CITATIONS
127	Evaluation of antibody immobilization techniques for fiber optic-based fluoroimmunosensing. <i>Analytica Chimica Acta</i> , 1990, 229, 169-176.	5.4	43
128	Molecular sentinel-on-chip for SERS-based biosensing. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6008.	2.8	43
129	Surface-active substrates for Raman and luminescence analysis. <i>Talanta</i> , 1989, 36, 227-234.	5.5	42
130	Apo ferritin protein cages: a novel drug nanocarrier for photodynamic therapy. <i>Chemical Communications</i> , 2008, , 4579.	4.1	42
131	Surface-Enhanced Raman Scattering Detection and Tracking of Nanoprobes: Enhanced Uptake and Nuclear Targeting in Single Cells. <i>Applied Spectroscopy</i> , 2010, 64, 858-866.	2.2	42
132	Plasmonic Nanoprobes for in Vivo Multimodal Sensing and Bioimaging of MicroRNA within Plants. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7743-7754.	8.0	42
133	Surface-enhanced Raman spectrometry of chlorinated pesticides. <i>Analytica Chimica Acta</i> , 1988, 206, 339-344.	5.4	40
134	A fiber-optic cyclodextrin-based sensor. <i>Talanta</i> , 1991, 38, 529-534.	5.5	40
135	Nanosensing at the single cell level. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 95-103.	2.9	40
136	Characterization of nanoprobe uptake in single cells: spatial and temporal tracking via SERS labeling and modulation of surface charge. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 115-122.	3.3	40
137	Surface-enhanced Raman detection of nicotinamide in vitamin tablets. The submitted paper has been authored by a contractor of the US government under contract No. DE-AC05-96OR22464. Accordingly, the US government retains a non-exclusive, royalty-free license to publish or reproduce the published form of this contribution, or allow others to do so, for US government purposes. <i>Analytica Chimica Acta</i> , 1998, 368, 21-28.	5.4	39
138	Synthesis and characterization of SERS gene probe for BRCA-1 (breast cancer). <i>Faraday Discussions</i> , 2006, 132, 293-301.	3.2	39
139	Phase-Resolved Fiber-Optics Fluoroimmunosensor. <i>Applied Spectroscopy</i> , 1990, 44, 128-132.	2.2	38
140	Laser-Induced Differential Fluorescence for Cancer Diagnosis without Biopsy. <i>Applied Spectroscopy</i> , 1997, 51, 58-63.	2.2	38
141	Nanosensor for <i>In Vivo</i> Measurement of the Carcinogen Benzo[a]pyrene in a Single Cell. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 653-658.	0.9	38
142	Miniature biochip system for detection of <i>Escherichia coli</i> O157:H7 based on antibody-immobilized capillary reactors and enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2004, 507, 115-121.	5.4	38
143	Charge-Coupled Device Fluorescence Detection for Capillary-Zone Electrophoresis (CCD-CZE). <i>Applied Spectroscopy</i> , 1990, 44, 755-765.	2.2	37
144	Plasmonics nanoprobes: detection of single-nucleotide polymorphisms in the breast cancer BRCA1 gene. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 729-736.	3.7	37

#	ARTICLE	IF	CITATIONS
145	Photothermal effects of plasmonic metal nanoparticles in a fluid. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	37
146	A new surface-enhanced Raman scattering substrate based on silver nanoparticles in sol-gel. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 1057-1065.	2.5	36
147	Plasmonic Coupling Interference (PCI) Nanoprobes for Nucleic Acid Detection. <i>Small</i> , 2011, 7, 3067-3074.	10.0	36
148	Vibrational spectral analysis of Eosin Y and Erythrosin B-intensity studies for quantitative detection of the dyes. <i>Journal of Raman Spectroscopy</i> , 1994, 25, 415-422.	2.5	35
149	Development of Nanosensors and Bioprobes. <i>Journal of Nanoparticle Research</i> , 2000, 2, 17-27.	1.9	35
150	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2859-2868.	3.7	35
151	A Portable Fiberoptic Monitor for Fluorimetric Bioassays. <i>Applied Spectroscopy</i> , 1986, 40, 696-700.	2.2	34
152	Surface-enhanced Raman scattering for cancer diagnostics: detection of the BCL2 gene. <i>Expert Review of Molecular Diagnostics</i> , 2003, 3, 669-675.	3.1	34
153	Fabrication of nanodot plasmonic waveguide structures using FIB milling and electron beam-induced deposition. <i>Scanning</i> , 2009, 31, 139-146.	1.5	34
154	Surface-enhanced Raman scattering nanosensors for in vivo detection of nucleic acid targets in a large animal model. <i>Nano Research</i> , 2018, 11, 4005-4016.	10.4	34
155	Investigation of noncalcium interactions of fura-2 by classical and synchronous fluorescence spectroscopy. <i>Analytical Biochemistry</i> , 1992, 204, 231-238.	2.4	33
156	Multi-analyte analysis system using an antibody-based biochip. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 120-124.	3.7	33
157	Antibody-Based Submicron Biosensor for Benzo[A]Pyrene DNA Adduct. <i>Polycyclic Aromatic Compounds</i> , 1996, 8, 45-52.	2.6	32
158	Applications of Carbon Nanotubes for Cancer Research. <i>Nanobiotechnology</i> , 2005, 1, 171-182.	1.2	32
159	In vivo detection of SERS-encoded plasmonic nanostars in human skin grafts and live animal models. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8215-8224.	3.7	32
160	Analysis of polynuclear aromatic compounds using laser-excited synchronous fluorescence. <i>Analitica Chimica Acta</i> , 1995, 303, 247-253.	5.4	31
161	Fiber optic sensor for laser-induced room-temperature phosphorescence detection of polycyclic aromatic compounds. <i>Talanta</i> , 1996, 43, 1805-1814.	5.5	31
162	Native fluorescence and mag-indo-1-protein interaction as tools for probing unfolding and refolding sequences of the bovine serum albumin subdomain in the presence of guanidine hydrochloride. <i>The Protein Journal</i> , 2000, 19, 431-439.	1.1	31

#	ARTICLE	IF	CITATIONS
163	Nanobiosensing Using Plasmonic Nanoprobes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 198-205.	2.9	31
164	Surface-enhanced Raman scattering molecular sentinel nanoprobes for viral infection diagnostics. Analytica Chimica Acta, 2013, 786, 153-158.	5.4	31
165	Inverse Molecular Sentinel-Integrated Fiberoptic Sensor for Direct and <i>in Situ</i> Detection of miRNA Targets. Analytical Chemistry, 2019, 91, 6345-6352.	6.5	31
166	Selective surface-enhanced Raman spectroscopy using a polymer-coated substrate. Analytical Chemistry, 1995, 67, 3154-3159.	6.5	30
167	Critical assessment: Use of supersonic jet spectrometry for complex mixture analysis (IUPAC Technical) Tj ETQq1 1 0,784314,rgBT /Over	1.9	36
168	An AOTF-based dual-modality hyperspectral imaging system (DMHSI) capable of simultaneous fluorescence and reflectance imaging. Medical Engineering and Physics, 2006, 28, 149-155.	1.7	30
169	Methodologies for Developing Surface-Enhanced Raman Scattering (SERS) Substrates for Detection of Chemical and Biological Molecules. IEEE Sensors Journal, 2010, 10, 608-616.	4.7	30
170	Deep UV nano-microstructuring of substrates for surface plasmon resonance imaging. Nanotechnology, 2011, 22, 165301.	2.6	30
171	Detection of bacterial pathogen DNA using an integrated complementary metal oxide semiconductor microchip system with capillary array electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 783, 501-508.	2.3	29
172	Development of a synchronous fluorescence imaging system and data analysis methods. Optics Express, 2007, 15, 12583.	3.4	29
173	Direct Optical Imaging of Graphene In Vitro by Nonlinear Femtosecond Laser Spectral Reshaping. Nano Letters, 2012, 12, 5936-5940.	9.1	29
174	Tunable and amplified Raman gold nanoprobes for effective tracking (TARGET): in vivo sensing and imaging. Nanoscale, 2016, 8, 8486-8494.	5.6	29
175	Identification and quantification of polynuclear aromatic compounds in synthoil by room-temperature phosphorimetry. Analytica Chimica Acta, 1980, 118, 313-323.	5.4	28
176	Application of an Antibody Biochip for p53 Detection and Cancer Diagnosis. Biotechnology Progress, 2001, 17, 543-552.	2.6	28
177	Theoretical Simulation and Focused Ion Beam Fabrication of Gold Nanostructures for Surface-Enhanced Raman Scattering (SERS). Nanobiotechnology, 2007, 3, 164-171.	1.2	28
178	Direct analysis of traditional Chinese medicines using surface-enhanced raman scattering (SERS). Drug Testing and Analysis, 2014, 6, 1063-1068.	2.6	28
179	Surface-Enhanced Raman Analysis of p-Nitroaniline on Vacuum Evaporation and Chemically Deposited Silver-Coated Alumina Substrates. Applied Spectroscopy, 1992, 46, 1354-1357.	2.2	27
180	Normal Raman and surface-enhanced Raman scattering (SERS) spectra of some fungicides and related chemical compounds. Journal of Raman Spectroscopy, 1992, 23, 281-286.	2.5	27

#	ARTICLE	IF	CITATIONS
181	Near-real-time determination of hydrogen peroxide generated from cigarette smoke. <i>Journal of Environmental Monitoring</i> , 2005, 7, 681.	2.1	27
182	Photothermal ablation of inflammatory breast cancer tumor emboli using plasmonic gold nanostars. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6259-6272.	6.7	27
183	The lightpipe luminoscope for monitoring occupational skin contamination. <i>AIHA Journal</i> , 1981, 42, 112-120.	0.4	26
184	Enhanced Room-Temperature Phosphorescence of Anthracene on Cyclodextrin-Treated Filter Paper. <i>Applied Spectroscopy</i> , 1987, 41, 963-966.	2.2	26
185	Development of a Room-Temperature Phosphorescence Fiber-Optic Sensor. <i>Analytical Chemistry</i> , 1996, 68, 1599-1604.	6.5	26
186	Surface-enhanced Raman detection of chemical vapors with the use of personal dosimeters. <i>Field Analytical Chemistry and Technology</i> , 1999, 3, 346-356.	0.8	26
187	Spectral filtering modulation method for estimation of hemoglobin concentration and oxygenation based on a single fluorescence emission spectrum in tissue phantoms. <i>Medical Physics</i> , 2009, 36, 4819-4829.	3.0	26
188	Shining Gold Nanostars: From Cancer Diagnostics to Photothermal Treatment and Immunotherapy. <i>Journal of Immunological Sciences</i> , 2018, 2, 1-8.	1.1	26
189	Laser-Induced Room-Temperature Phosphorescence Detection of Benzo[a]pyrene-DNA Adducts. <i>Analytical Chemistry</i> , 1987, 59, 1093-1096.	6.5	25
190	Development of a multi-spectral imaging system for medical applications. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1663-1668.	2.8	25
191	Plasmonics-Based Nanostructures for Surface-Enhanced Raman Scattering Bioanalysis. , 2005, 300, 255-284.		25
192	FRET-based protein-DNA binding assay for detection of active NF- $\kappa$ B. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 649-654.	7.8	25
193	Hybrid Top-Down and Bottom-Up Fabrication Approach for Wafer-Scale Plasmonic Nanoplatfoms. <i>Small</i> , 2011, 7, 727-731.	10.0	25
194	Fano resonance in a gold nanosphere with a J-aggregate coating. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24931-24936.	2.8	25
195	Studies of cyclodextrin-enhanced room-temperature phosphorescence. <i>Analytica Chimica Acta</i> , 1989, 217, 171-176.	5.4	24
196	Optical response of linear chains of metal nanospheres and nanospheroids. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2767.	1.5	24
197	Trace Molecular Detection via Surface-Enhanced Raman Scattering and Surface-Enhanced Resonance Raman Scattering at a Distance of 15 Meters. <i>Applied Spectroscopy</i> , 2010, 64, 485-492.	2.2	24
198	Single-cell monitoring using fiberoptic nanosensors. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 79-85.	6.1	24

#	ARTICLE	IF	CITATIONS
199	Plasmonic nanobiosensors for detection of microRNA cancer biomarkers in clinical samples. <i>Analyst, The</i> , 2020, 145, 4587-4594.	3.5	24
200	The sit image vidicon as a gas-phase fluorescence detector for gas chromatography. <i>Analytica Chimica Acta</i> , 1977, 89, 9-19.	5.4	23
201	Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants. <i>Environmental Science &amp; Technology</i> , 1985, 19, 997-1003.	10.0	23
202	Fiber-Optic time-resolved fluorimetry for immunoassays. <i>Talanta</i> , 1988, 35, 139-144.	5.5	23
203	Laser-Excited Synchronous Luminescence Spectroscopy. <i>Applied Spectroscopy</i> , 1993, 47, 430-435.	2.2	23
204	Determination of Enhancement Factors for Surface-Enhanced FT-Raman Spectroscopy on Gold and Silver Surfaces. <i>Journal of Raman Spectroscopy</i> , 1996, 27, 887-891.	2.5	23
205	Multi-functional biochip for medical diagnostics and pathogen detection. <i>Sensors and Actuators B: Chemical</i> , 2003, 90, 104-111.	7.8	23
206	Investigation of Synchronous Fluorescence Method in Multicomponent Analysis in Tissue. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 927-940.	2.9	23
207	Plasmon-Resonant Gold Nanostars With Variable Size as Contrast Agents for Imaging Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 13-20.	2.9	23
208	A $\beta$ -cyclodextrin based fiber-optic chemical sensor: a fractal analysis. <i>Talanta</i> , 1995, 42, 1567-1574.	5.5	22
209	Evaluation of a chemical vapor dosimeter using polymer-coated SERS substrates. <i>Analytica Chimica Acta</i> , 1999, 399, 265-274.	5.4	22
210	Amplification of fluorescence emission of CdSe/ZnS QDs entrapped in a sol-gel matrix, a new approach for detection of trace level of PAHs. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 139-145.	7.8	22
211	Plasmonic Nanowave Substrates for SERS: Fabrication and Numerical Analysis. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7534-7545.	3.1	22
212	Inherently Stealthy and Highly Tumor-Selective Gold Nanoraspberries for Photothermal Cancer Therapy. <i>Scientific Reports</i> , 2015, 5, 10311.	3.3	22
213	Construction and evaluation of a regenerable fluoroimmunochemical-based fibre optic biosensor. <i>Analyst, The</i> , 1991, 116, 117.	3.5	21
214	DNA adduct formation by 12 chemicals with populations potentially suitable for molecular epidemiological studies. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1992, 277, 35-90.	2.9	21
215	Surface-Enhanced Raman Vapor Dosimeter. <i>Applied Spectroscopy</i> , 1993, 47, 1728-1732.	2.2	21
216	Fast Scanning Synchronous Luminescence Spectrometer Based on Acousto-Optic Tunable Filters. <i>Applied Spectroscopy</i> , 1995, 49, 1624-1631.	2.2	21

#	ARTICLE	IF	CITATIONS
217	Design and Fabrication of Fiber-Optic Nanoprobes for Optical Sensing. <i>Nanoscale Research Letters</i> , 2011, 6, 18.	5.7	21
218	Micro- and nanotopographies for photoelectrochemical energy conversion. II: Photoelectrocatalysis – Classical and advanced systems. <i>Electrochimica Acta</i> , 2011, 56, 10726-10736.	5.2	21
219	Non-invasive sensitive brain tumor detection using dual-modality bioimaging nanoprobe. <i>Nanotechnology</i> , 2019, 30, 275101.	2.6	21
220	Plasmonic nanoplatfoms: From surface-enhanced Raman scattering sensing to biomedical applications. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 541-553.	2.5	21
221	Surface-enhanced Raman analysis of vitamin B complex: Quantitative detection of p-aminobenzoic acid. <i>Journal of Raman Spectroscopy</i> , 1991, 22, 327-331.	2.5	20
222	Photoactivated Luminescence Method for Rapid Screening of Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 1994, 66, 1264-1268.	6.5	20
223	Demonstration of an integrated capillary electrophoresis–laser-induced fluorescence fiber-optic sensor. <i>Talanta</i> , 1996, 43, 1889-1901.	5.5	20
224	Plasmon Resonances of Nanoshells of Spheroidal Shape. <i>IEEE Nanotechnology Magazine</i> , 2007, 6, 627-638.	2.0	20
225	Accurate <i>in vivo</i> tumor detection using plasmonic-enhanced shifted-excitation Raman difference spectroscopy (SERDS). <i>Theranostics</i> , 2021, 11, 4090-4102.	10.0	20
226	Imaging the Distribution of Magnetic Nanoparticles With Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 660-665.	8.9	19
227	–Dry-state–surface-enhanced Raman scattering (SERS): toward non-destructive analysis of dyes on textile fibers. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	19
228	Antibody-antigen binding kinetics a model for multivalency antibodies for large antigen systems. <i>Applied Biochemistry and Biotechnology</i> , 1997, 67, 1-22.	2.9	18
229	Short pulse laser propagation through tissues for biomedical imaging. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1714-1721.	2.8	18
230	Implication of mitochondrial involvement in apoptotic activity of fragile histidine triad gene: Application of synchronous luminescence spectroscopy. <i>Biopolymers</i> , 2004, 73, 510-523.	2.4	18
231	Folate Receptor-Targeted Theranostic Nanoconstruct for Surface-Enhanced Raman Scattering Imaging and Photodynamic Therapy. <i>ACS Omega</i> , 2016, 1, 730-735.	3.5	18
232	Inverse surface-enhanced spatially offset Raman spectroscopy (SESORS) through a monkey skull. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1452-1460.	2.5	18
233	Permeation measurements of chemical agent simulants through protective clothing materials. <i>Journal of Hazardous Materials</i> , 1993, 33, 123-141.	12.4	17
234	Antibody-based biosensor for breast cancer with ultrasonic regeneration. <i>Journal of Biomedical Optics</i> , 2000, 5, 350.	2.6	17

#	ARTICLE	IF	CITATIONS
235	A kinetic analysis using fractals of cellular analyte-receptor binding and dissociation. <i>Biotechnology and Applied Biochemistry</i> , 2001, 33, 17.	3.1	17
236	Tailoring the Core-Satellite Nanoassembly Architectures by Tuning Internanoparticle Electrostatic Interactions. <i>Langmuir</i> , 2018, 34, 14617-14623.	3.5	17
237	Rapid Nanophotonics Assay for Head and Neck Cancer Diagnosis. <i>Scientific Reports</i> , 2018, 8, 11410.	3.3	17
238	Surface-enhanced Raman scattering interaction of p-aminobenzoic acid on a silver-coated alumina substrate. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 563-567.	0.1	16
239	Capillary Electrophoresis-Laser Fluorometry Instrumentation for the Facile Optimization of DNA Separations Using in Situ Size-Selective Gradients and Adjustable Detection Zone. <i>Analytical Chemistry</i> , 1995, 67, 680-683.	6.5	16
240	Characterization of antibodies against benzo[a]pyrene with thermodynamic and kinetic constants. <i>Talanta</i> , 2002, 56, 1153-1161.	5.5	16
241	Spectral bounds on plasmon resonances for Ag and Au prolate and oblate nanospheroids. <i>Journal of Nanophotonics</i> , 2008, 2, 029501.	1.0	16
242	Spectroscopic Chemical Sensing and Imaging: From Plants to Animals and Humans. <i>Chemosensors</i> , 2018, 6, 11.	3.6	16
243	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 291-301.	0.8	16
244	Nomenclature, symbols, units, and their usage in spectrochemical analysis-XV. Laser-based molecular spectroscopy for chemical analysis - laser fundamentals (IUPAC Recommendations 1995). <i>Pure and Applied Chemistry</i> , 1995, 67, 1913-1928.	1.9	16
245	Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples. <i>Environmental Science &amp; Technology</i> , 1984, 18, 477-482.	10.0	15
246	External heavy-atom effect in room-temperature phosphorescence. <i>Analytical Chemistry</i> , 1987, 59, 1644-1646.	6.5	15
247	Biomedical implications of protein folding and misfolding. <i>Biotechnology and Applied Biochemistry</i> , 2001, 33, 7.	3.1	15
248	Dual modality fluorescence and reflectance hyperspectral imaging: principle and applications. , 2005, 5692, 133.		15
249	Applications of fiber-optics-based nanosensors to drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 889-900.	5.0	15
250	Micro Arrays and Biochips: Applications and Potential in Genomics and Proteomics. <i>Current Genomics</i> , 2001, 2, 399-415.	1.6	15
251	Detection of specific nitrogen-containing compounds by room-temperature phosphorescence. <i>Analytical Chemistry</i> , 1985, 57, 41-45.	6.5	14
252	Monitoring Intracellular Proteins Using Fluorescence Techniques: From Protein Synthesis and Localization to Activity. <i>Current Protein and Peptide Science</i> , 2003, 4, 375-388.	1.4	14

#	ARTICLE	IF	CITATIONS
253	Nanosensor for <i>In Vivo</i> Measurement of the Carcinogen Benzo[a]pyrene in a Single Cell. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 653-658.	0.9	14
254	Synchronous Fluorescence Measurement of BaP Metabolites in Human and Animal Urine. <i>Analytical Letters</i> , 1987, 20, 761-776.	1.8	13
255	Currently available permeability and breakthrough data characterizing chemical warfare agents and their simulants in civilian protective clothing mater. <i>Journal of Hazardous Materials</i> , 1992, 30, 243-267.	12.4	13
256	Laser-Induced Solid-Surface Room-Temperature Phosphorimetry of Polycyclic Aromatic Hydrocarbons. <i>Applied Spectroscopy</i> , 1996, 50, 252-256.	2.2	13
257	Application of an integrated microchip system with capillary array electrophoresis to optimization of enzymatic reactions. <i>Analytica Chimica Acta</i> , 2003, 487, 75-82.	5.4	13
258	Real-time detection of PAH mixtures in the vapor phase at high temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 66, 145-154.	5.5	13
259	On the behaviour of Au plasmonic nanoparticles during hydrogen evolution at p-Si. <i>Electrochemistry Communications</i> , 2010, 12, 1298-1301.	4.7	13
260	Human Adipose-Derived Stem Cells Labeled with Plasmonic Gold Nanostars for Cellular Tracking and Photothermal Cancer Cell Ablation. <i>Plastic and Reconstructive Surgery</i> , 2017, 139, 900e-910e.	1.4	13
261	Direct and Label-Free Detection of MicroRNA Cancer Biomarkers using SERS-Based Plasmonic Coupling Interference (PCI) Nanoprobes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10245-10251.	2.6	13
262	Fluorescence studies of benzo-[a]-pyrene in liposome membrane systems. <i>Biochemical and Biophysical Research Communications</i> , 1976, 73, 187-192.	2.1	12
263	Fluorescence detection of phototoxic psoralens in vegetable products. <i>Journal of Agricultural and Food Chemistry</i> , 1988, 36, 333-337.	5.2	12
264	Improved Methods for Screening of Polychlorinated Biphenyls (PCBs) Using Room-Temperature Phosphorescence. <i>Applied Spectroscopy</i> , 1992, 46, 1235-1239.	2.2	12
265	Three-Dimensional Optical Random Access Memory Materials for Use as Radiation Dosimeters. <i>Analytical Chemistry</i> , 2000, 72, 5612-5617.	6.5	12
266	High-temperature vapor detection of polycyclic aromatic hydrocarbon fluorescence. <i>Fuel</i> , 2001, 80, 1819-1824.	6.4	12
267	Optical Nanobiosensor for Monitoring an Apoptotic Signaling Process in a Single Living Cell Following Photodynamic Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 2057-2062.	0.9	12
268	Improvement in Electrotransfection of Cells Using Carbon-Based Electrodes. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 538-545.	2.1	12
269	Synthesis and functionalization of gold nanostars for singlet oxygen production. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 233-240.	5.8	12
270	Plasmonic Gold Nanostar-Mediated Photothermal Immunotherapy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-9.	2.9	12



#	ARTICLE	IF	CITATIONS
271	Smartphone-Based Device for Colorimetric Detection of MicroRNA Biomarkers Using Nanoparticle-Based Assay. <i>Sensors</i> , 2021, 21, 8044.	3.8	12
272	Detection of cadmium ion using the fluorescence probe Indo-1. <i>Analytica Chimica Acta</i> , 1994, 295, 67-72.	5.4	11
273	Differentiation of Normal and Neoplastic Cells by Synchronous Fluorescence: Rat Liver Epithelial and Rat Hepatoma Cell Models. <i>Analytical Letters</i> , 1999, 32, 2583-2594.	1.8	11
274	Intensified biochip system using chemiluminescence for the detection of <i>Bacillus globigii</i> spores. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1655-1660.	3.7	11
275	Tracking mesenchymal stromal cells using an ultra-bright TAT-functionalized plasmonic-active nanoplatfom. <i>Journal of Biophotonics</i> , 2016, 9, 406-413.	2.3	11
276	Squamous cell carcinoma DNA detection using ultrabright SERS nanorattles and magnetic beads for head and neck cancer molecular diagnostics. <i>Analytical Methods</i> , 2017, 9, 5550-5556.	2.7	11
277	What potential does plasmonics-amplified synergistic immuno photothermal nanotherapy have for treatment of cancer?. <i>Nanomedicine</i> , 2018, 13, 139-144.	3.3	11
278	Flg22-induced Ca <sup>2+</sup> increases undergo desensitization and resensitization. <i>Plant, Cell and Environment</i> , 2021, 44, 3793-3805.	5.7	11
279	Surface-enhanced Raman scattering analysis of etheno adducts of adenine. <i>Vibrational Spectroscopy</i> , 1993, 4, 359-364.	2.2	10
280	Integrated CMOS microchip system with capillary array electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 399-403.	3.7	10
281	Single-board computer based control system for a portable Raman device with integrated chemical identification. <i>Review of Scientific Instruments</i> , 2004, 75, 2016-2023.	1.3	10
282	Protein Nanotechnology: The New Frontier in Biosciences. , 2005, 300, 001-014.		10
283	A novel cyanide ion sensing approach based on Raman scattering for the detection of environmental cyanides. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1490-1494.	6.0	10
284	<p></p>Biodistribution and sensitive tracking of immune cells with plasmonic gold nanostars</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3403-3411.	6.7	10
285	Plasmonic assay for amplification-free cancer biomarkers detection in clinical tissue samples. <i>Analytica Chimica Acta</i> , 2020, 1139, 111-118.	5.4	10
286	OSCA1 is an osmotic specific sensor: a method to distinguish Ca <sup>2+</sup> -mediated osmotic and ionic perception. <i>New Phytologist</i> , 2022, 235, 1665-1678.	7.3	10
287	Single- and Dual-Fractal Analysis of Hybridization Binding Kinetics: Biosensor Applications. <i>Biotechnology Progress</i> , 1998, 14, 782-790.	2.6	9
288	Vibrational spectrum of strychnine: detection at the nanogram level using a Raman microscope. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 435-439.	2.5	9

#	ARTICLE	IF	CITATIONS
289	Screening for the breast cancer gene (BRCA1) using a biochip system and molecular beacon probes immobilized on solid surfaces. <i>Journal of Biomedical Optics</i> , 2004, 9, 439.	2.6	9
290	Optical Nanosensors for Detecting Proteins and Biomarkers in Individual Living Cells. , 2005, 300, 383-402.		9
291	Silver Nanoparticle-Doped Polyvinyl Alcohol Coating as a Medium for Surface-Enhanced Raman Scattering Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 955-960.	0.9	9
292	Plasmonics Quenching and Enhancement of a Fluorescing Molecule Outside and Inside a Silver Metallic Nanoshell. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1264-1274.	2.0	9
293	Enhanced SPR Sensitivity with Nano-Micro-Ribbon Grating—An Exhaustive Simulation Mapping. <i>Plasmonics</i> , 2014, 9, 79-92.	3.4	9
294	Time-Resolved Synchronous Fluorescence for Biomedical Diagnosis. <i>Sensors</i> , 2015, 15, 21746-21759.	3.8	9
295	Evaluation of the fiber-optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples. <i>Clinical Chemistry</i> , 1991, 37, 532-5.	3.2	9
296	Sensitized fluorescence spectrometry using solid organic substrate. <i>Analytical Chemistry</i> , 1986, 58, 1128-1133.	6.5	8
297	Synchronous Luminescence Screening for Polynuclear Aromatic Compounds in Environmental Samples Collected at a Coal Gasification Process Development Unit. <i>AIHA Journal</i> , 1986, 47, 379-385.	0.4	8
298	Fluorescence line-narrowing spectrometry of polycyclic compounds on filter paper substrates. <i>Analytical Chemistry</i> , 1986, 58, 3135-3139.	6.5	8
299	Passive dosimeter for monitoring ammonia vapor. <i>Analytica Chimica Acta</i> , 1992, 263, 175-178.	5.4	8
300	Remote Spectral Imaging System (Rsis) Based on an Acousto-Optic Tunable Filter (Aotf). <i>Instrumentation Science and Technology</i> , 1996, 24, 179-193.	1.8	8
301	Evaluation of a Separation-Based Fiber-Optic Sensor in a Micellar Electrokinetic Capillary Chromatography Mode of Operation. <i>Analytical Chemistry</i> , 1997, 69, 3806-3811.	6.5	8
302	Development of a New Capillary Electrophoresis-based Fibre Optic Sensor. <i>Biomedical Chromatography</i> , 1997, 11, 187-192.	1.7	8
303	Instrumentation and Measurement Issues for Nanometer Particles: Workshop Summary. <i>Journal of Nanoparticle Research</i> , 2000, 2, 103-112.	1.9	8
304	Integrated circuit microchip system with multiplex capillary electrophoresis module for DNA analysis. <i>Analytica Chimica Acta</i> , 2002, 466, 187-192.	5.4	8
305	Development of a Fluorescence Detection System Using Optical Parametric Oscillator (OPO) Laser Excitation for in Vivo Diagnosis. <i>Technology in Cancer Research and Treatment</i> , 2003, 2, 515-523.	1.9	8
306	A highly sensitive Raman method for selective cyanide detection based on evaporated cuprous iodide substrate. <i>Analytical Methods</i> , 2010, 2, 458.	2.7	8

#	ARTICLE	IF	CITATIONS
307	Shiftedâ€excitation Raman difference spectroscopy for the detection of SERSâ€encoded gold nanostar probes. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1961-1967.	2.5	8
308	Plasmonic gold nanostars for synergistic photoimmunotherapy to treat cancer. <i>Nanophotonics</i> , 2021, 10, 3295-3302.	6.0	8
309	Synchronous luminescence: a new detection technique for multiple fluorescent probes used for DNA sequencing. <i>BioTechniques</i> , 1994, 16, 1104-11.	1.8	8
310	Luminescence determination of benzoquinoline isomers in complex samples. <i>Analytica Chimica Acta</i> , 1985, 175, 181-188.	5.4	7
311	Room-Temperature Phosphorimetry to Study Petroleum Product Permeation through Protective Clothing Materials. <i>Applied Spectroscopy</i> , 1988, 42, 285-288.	2.2	7
312	Vibrational spectra of fluvalinate. <i>Journal of Raman Spectroscopy</i> , 1993, 24, 123-128.	2.5	7
313	Phosphorescence imaging system using an acousto-optic filter-based charge coupled device. <i>Analytica Chimica Acta</i> , 1997, 351, 229-239.	5.4	7
314	Rapid screening method for cocaine and benzoylecgonine in saliva samples. <i>Analytica Chimica Acta</i> , 1998, 372, 349-355.	5.4	7
315	Plasmonics enhancement of a luminescent or Raman-active layer in a multilayered metallic nanoshell. <i>Applied Optics</i> , 2009, 48, 5040.	2.1	7
316	Bimodal behavior and isobestic transition pathway in surface plasmon resonance sensing. <i>Optics Express</i> , 2012, 20, 23630.	3.4	7
317	Multicontrast nonlinear optical microscopy with a compact and rapid pulse shaper. <i>Optics Letters</i> , 2012, 37, 2763.	3.3	7
318	The effect of reactive atypia/inflammation on the laserâ€induced fluorescence diagnosis of nonâ€dysplastic Barrett's esophagus. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 390-396.	2.1	7
319	Spectroscopic and vibrational analysis of the methoxypsoralen system: A comparative experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2013, 1035, 13-18.	3.6	7
320	SERS in Plain Sight: A Polarization Modulation Method for Signal Extraction. <i>Analytical Chemistry</i> , 2019, 91, 3319-3326.	6.5	7
321	3D-printed phantoms for characterizing SERS nanoparticle detectability in turbid media. <i>Analyst, The</i> , 2020, 145, 6045-6053.	3.5	7
322	Analysis of Pseudouridine by Fluorescence Spectrometry. <i>Analytical Letters</i> , 1985, 18, 1821-1833.	1.8	6
323	Direct synchronous luminescence detection of co-eluting solutes in pseudophase liquid chromatography. <i>Journal of Chromatography A</i> , 1987, 409, 147-154.	3.7	6
324	Surface-Enhanced Raman Analysis of some Polycyclic Aromatic Dyes used in the Cosmetics and Food Industries. <i>Polycyclic Aromatic Compounds</i> , 1993, 3, 137-146.	2.6	6

#	ARTICLE	IF	CITATIONS
325	Fiber-Optic Remote Multisensor System Based on an Acousto-Optic Tunable Filter (AOTF). <i>Applied Spectroscopy</i> , 1996, 50, 1295-1300.	2.2	6
326	Nomenclature, symbols, units, and their usage in spectrochemical analysis XVI. Laser-based molecular spectrometry for chemical analysis - Luminescence (IUPAC Recommendations 1997). <i>Pure and Applied Chemistry</i> , 1997, 69, 1435-1450.	1.9	6
327	DETECTION OF POLYCYCLIC AROMATIC COMPOUNDS IN SINGLE LIVING CELLS USING OPTICAL NANOPROBES. <i>Polycyclic Aromatic Compounds</i> , 2004, 24, 221-235.	2.6	6
328	Photothermal Treatment of Human Carcinoma Cells Using Liposome-Encapsulated Gold Nanoshells. <i>Nanobiotechnology</i> , 2005, 1, 245-252.	1.2	6
329	Direct SERDS sensing of molecular biomarkers in plants under field conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3457-3466.	3.7	6
330	Gold Nanostars: A Novel Platform for Developing <sup>211</sup> At-Labeled Agents for Targeted Alpha-Particle Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7297-7305.	6.7	6
331	A SIT image detector in analytical fluorescence spectrometry. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1977, 33, 341-345.	0.1	5
332	High-Temperature Fluorescence Measurements and Instrumentation for Polyaromatic Hydrocarbons (PAH): A Review. <i>Polycyclic Aromatic Compounds</i> , 2000, 18, 25-47.	2.6	5
333	Photoacoustic method for the simultaneous acquisition of optical and ultrasonic spectra. <i>Acoustics Research Letters Online: ARLO</i> , 2003, 4, 89-94.	0.7	5
334	Antibody-based SERS diagnostics of hfit protein without label. <i>Nanobiotechnology</i> , 2006, 2, 29-35.	1.2	5
335	Photodynamic therapy of Barrett's esophagus: ablation of Barrett's mucosa and reduction in p53 protein expression after treatment. <i>Anticancer Research</i> , 2008, 28, 485-9.	1.1	5
336	Resonance Raman Analysis of Fluorescent Compounds Using Micellar Solutions and Ultraviolet Laser Excitation. <i>Applied Spectroscopy</i> , 1987, 41, 771-773.	2.2	4
337	Site-Selection Phosphorimetry via Singlet-State Excitation. <i>Applied Spectroscopy</i> , 1988, 42, 65-68.	2.2	4
338	Gel-Based Indo-1 Probe for Monitoring Calcium(II) Ions. <i>Analytical Chemistry</i> , 1994, 66, 813-817.	6.5	4
339	Analysis of Polycyclic Aromatic Compounds in Soil Samples Using Laser-Induced Phosphorimetry. <i>Polycyclic Aromatic Compounds</i> , 1996, 8, 117-128.	2.6	4
340	Enhanced Photoactivated Luminescence of Selected Polychlorinated Biphenyl Congeners and Aroclor Mixtures. <i>Microchemical Journal</i> , 1997, 57, 350-360.	4.5	4
341	Title is missing!. <i>Journal of Fluorescence</i> , 2002, 12, 57-63.	2.5	4
342	Real-Time Monitoring of Polycyclic Aromatic Hydrocarbons in Cigarette Smoke Using Time-Resolved Laser-Induced Fluorescence. <i>Polycyclic Aromatic Compounds</i> , 2003, 23, 429-439.	2.6	4

#	ARTICLE	IF	CITATIONS
343	Screening Benzo(a)pyrene Metabolites in Urine Using Synchronous Room Temperature Phosphorescence. <i>Polycyclic Aromatic Compounds</i> , 1992, 3, 17-27.	2.6	3
344	Development of a Fluorescence Quenching Technique to Detect Permeation of Chemical Agent Simulants through Protective Clothing Materials. <i>Applied Spectroscopy</i> , 1992, 46, 677-681.	2.2	3
345	Laser-Excited Synchronous Fluorescence System for the Analysis of Polycyclic Aromatic Compounds. <i>Polycyclic Aromatic Compounds</i> , 1996, 9, 265-272.	2.6	3
346	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1697-1702.	2.2	3
347	Development of plasmonics-active SERS substrates on a wafer scale for chemical and biological sensing applications. , 2008, , .		3
348	Plasmonic Gold Nanostars: A Potential Agent for Molecular Imaging and Cancer Therapy. , 2012, , .		3
349	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. <i>JPhys Photonics</i> , 2020, 2, 034012.	4.6	3
350	Luminescence of 1,4-naphthoquinone and the vitamin K system in Shpolskii matrices at 4 K. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1984, 40, 411-418.	0.1	2
351	A ranking index to characterize polynuclear aromatic pollutants in environmental samples. <i>Environment International</i> , 1984, 10, 299-304.	10.0	2
352	Development of Luminescence Procedures to Evaluate Permeation of Multi-Ring Polyaromatic Compounds Through Protective Materials. <i>AIHA Journal</i> , 1987, 48, 400-405.	0.4	2
353	Room Temperature Phosphorescence Detection for Paper Electrophoresis (RTP-PE). <i>Analytical Letters</i> , 1990, 23, 941-952.	1.8	2
354	Phosphorescence imaging system using an acousto-optic tunable filter and a charge-coupled device. <i>Analytica Chimica Acta</i> , 1997, 346, 361-372.	5.4	2
355	Crossed-beam two-photon readout system for three-dimensional radiation dosimeters. <i>Review of Scientific Instruments</i> , 2002, 73, 4214-4217.	1.3	2
356	Micovascular integration into porous polyHEMA scaffold. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
357	Optically enhanced blood-brain-barrier crossing of plasmonic-active nanoparticles in preclinical brain tumor animal models. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
358	Preparation of Liquid and Solid Samples. , 2014, , 1-14.		2
359	Amplification Techniques for Optical Detection. , 2003, , .		2
360	Current and emerging opportunities in biological medium-based computing and digital data storage. <i>Nano Select</i> , 2022, 3, 883-902.	3.7	2

#	ARTICLE	IF	CITATIONS
361	Novel Surface-Enhanced Fluorescence Detection of Polynuclear Aromatic Hydrocarbons Separated by Paper Chromatography. <i>Analytical Letters</i> , 1989, 22, 2011-2019.	1.8	1
362	Paper electrophoresis with surface-enhanced fluorimetric detection. <i>Analytica Chimica Acta</i> , 1990, 229, 295-297.	5.4	1
363	Subfemtomole Detection of Polycyclic Aromatic Compounds Using Room Temperature Phosphorescence with Charge-Coupled Device (RTP-CCD). <i>Polycyclic Aromatic Compounds</i> , 1994, 4, 71-86.	2.6	1
364	Identification of Polycyclic Aromatic Molecules in the UV Spectrum of Comet P/Halley. <i>Polycyclic Aromatic Compounds</i> , 1995, 5, 107-114.	2.6	1
365	Demonstration of a separations-based fiberoptic sensor for bioanalysis. <i>Analytica Chimica Acta</i> , 1999, 399, 201-212.	5.4	1
366	Radiation Dosimetry Using Three-dimensional Optical Random Access Memories. <i>Radiation Protection Dosimetry</i> , 2002, 101, 17-22.	0.8	1
367	Remote monitors for in situ characterization of hazardous wastes. <i>Waste Management Series</i> , 2004, 4, 485-502.	0.0	1
368	Nanosensors and nanoprobe for environmental health sensing and biomedical screening. , 2008, , .		1
369	Reversible Gating of Plasmonic Coupling for Optical Signal Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18157-18164.	8.0	1
370	SERS-based inverse molecular sentinel (iMS) nanoprobe for multiplexed detection of microRNA cancer biomarkers in biological samples. , 2017, , .		1
371	DNA detection and single nucleotide mutation identification using SERS for molecular diagnostics and global health. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
372	Nanosensors for nucleic acid targets detection using SERS. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
373	Application of plasmonic nanoprobe for SERS sensing and imaging of biotargets in plant systems. , 2019, , .		1
374	Implantable "smart tattoo" SERS nanosensors for in vivo detection of nucleic acid biotargets in a large animal model. , 2019, , .		1
375	Molecular SERS Nanoprobe for Medical Diagnostics. , 2017, , 289-306.		1
376	A nanophotonic-based assay for point-of-care medical diagnostics of malaria in low and middle income countries. , 2019, , .		1
377	In vivo SERS monitoring in plants using plasmonic nanoprobe. , 2022, , .		1
378	Luminescence monitoring of oil or tar contamination for industrial hygiene. <i>Nuclear Instruments &amp; Methods</i> , 1980, 175, 236-238.	1.2	0

#	ARTICLE	IF	CITATIONS
379	Correspondence. Direct Characterization of the Phtalic Acid Isomers in Mixtures Using Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 1990, 62, 1350-1351.	6.5	0
380	Winefordner and molecular spectroscopy-The man and his legacy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1994, 49, 1225-1227.	2.9	0
381	Aotf-Based Remote Sensor with SOL-GEL Probe. <i>Instrumentation Science and Technology</i> , 1999, 27, 343-355.	1.8	0
382	Welcome to NanoBio Euro 2005. <i>Nanobiotechnology</i> , 2005, 1, 253-254.	1.2	0
383	Nanobiosensing Using Plasmonics Nanoprobes. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007, , .	0.0	0
384	Focus on bioanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1483-1484.	3.7	0
385	Computational design of FIB-milled nanostructures for use in biosensing. , 2008, , .		0
386	Nano-biophotonics: From laboratory research to biomedical diagnostics. , 2009, , .		0
387	FIB/SEM Fabrication of Nanostructures for Plasmonic Sensors and Waveguides. <i>Microscopy and Microanalysis</i> , 2009, 15, 354-355.	0.4	0
388	Nanostructured substrates for surface plasmon resonance sensors. , 2011, , .		0
389	Imaging a spatially confined photoacoustic source defined by a distribution of plasmonic nanoparticles. <i>Journal of Applied Physics</i> , 2012, 111, 094305.	2.5	0
390	Introduction to the Issue on Biophotonicsâ€™Part 1. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1039-1041.	2.9	0
391	Guest Editorial Introduction to the Issue on Biophotonicsâ€™Part 2. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1267-1269.	2.9	0
392	Nanosensors for Single-Cell Analyses. , 2014, , 575-616.		0
393	Multiplex DNA Biosensor for Viral Infection Diagnosis Using SERS Molecular Sentinel-on-Chip. <i>IFMBE Proceedings</i> , 2015, , 15-20.	0.3	0
394	Plasmonic fano resonance sensing system using gold nanosphere and J-aggregates. , 2016, , .		0
395	Plasmonic SERS nanochips and nanoprobes for medical diagnostics and bio-energy applications. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
396	Plasmonic nanochip for SERS chemical and biomedical sensing. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
397	Nanoparticle-Mediated Heating: A Theoretical Study for Photothermal Treatment and Photo Immunotherapy. <i>Bioanalysis</i> , 2021, , 89-114.	0.1	0
398	Nanoparticle Systems Applied for Immunotherapy in Various Treatment Modalities. <i>Bioanalysis</i> , 2021, , 117-142.	0.1	0
399	Multifunctional Gold Nanostars for Sensitive Detection, Photothermal Treatment and Immunotherapy of Brain Tumor. <i>Bioanalysis</i> , 2021, , 235-255.	0.1	0
400	The New Frontier in Medicine at the Convergence of Nanotechnology and Immunotherapy. <i>Bioanalysis</i> , 2021, , 3-27.	0.1	0
401	Plasmonic Coupling Interference Nanoprobes for Gene Diagnostics. , 2014, , 631-640.		0
402	Multifunctional Theranostic Nanoplatfrom: Plasmonic-Active Gold Nanostars. , 2014, , 295-314.		0
403	Development of Gold Nanostars for Two-Photon Photoluminescence Imaging and Photothermal Therapy. , 2017, , 561-578.		0
404	Biosensing and Theranostics Applications of Gold Nanostars. , 2017, , 439-448.		0
405	Nanotechnology at the Frontier of Biology and Medicine. , 2017, , 1-16.		0
406	Sensitive DNA Detection and SNP Identification Using Ultrabright SERS Nanorattles and Magnetic Beads for In Vitro Diagnostics. , 2017, , 609-626.		0
407	In Vivo Sensing Using SERS Nanosensors. , 2017, , 695-702.		0
408	Optical Nanobiosensors and Nanoprobes. , 2017, , 229-240.		0
409	Synergistic immuno photothermal nanotherapy (SYMPHONY) to treat unresectable and metastatic cancers and produce and cancer vaccine effect. , 2018, , .		0
410	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. <i>Blood</i> , 2018, 132, 2581-2581.	1.4	0
411	Direct detection of nanostar probes through a monkey skull using inverse surface-enhanced spatially offset Raman spectroscopy (SESORS). , 2019, , .		0
412	In vivo nucleic acid detection and imaging within whole plants using plasmonic nanosensors. , 2019, , .		0
413	Surface-enhanced spatially offset Raman spectroscopy (SESORS) for subsurface detection of nanostar probes. , 2019, , .		0
414	Inverse molecular sentinel-integrated fiber sensor for direct detection of miRNA targets. , 2019, , .		0



#	ARTICLE	IF	CITATIONS
415	Direct detection of cancer biomarkers using plasmonics-based Inverse Molecular Sentinel (iMS) nanobiosensors. , 2019, , .		0
416	In vivo detection of microRNA within plants using plasmonic nanosensors. , 2019, , .		0
417	Discrimination between tumour and normal cells by staining with 3,4,5,6,16,17-hexadehydro-16-(methoxycarbonyl)-19 alpha-methyl-20 alpha-oxayohimbanium: the uracil ring as a target for the specific interaction between RNA(s) and the fluorescent probe. Anticancer Research. 1996. 16. 1881-6.	1.1	0
418	Analysis of SERS spectra of plasmonic nanoprobe for multiplexed biomarker detection using machine learning. , 2022, , .		0
419	Development of Gold Nanostars for Photothermal and Immunotherapy Applications. , 2022, , 555-575.		0
420	Measurement by Room Temperature Phosphorescence of Polynuclear Aromatic Containing Hydrocarbon Fuels that Permeate Glove Materials. Radiation Protection Dosimetry, 1986, 17, 263-265.	0.8	0
421	Monitoring Exposure to Polynuclear Aromatic Compounds via Room Temperature Phosphorescence from Solid Substrates. Radiation Protection Dosimetry, 1983, 6, 137-140.	0.8	0
422	Evaluation of an Improved Fiberoptics Luminescence Skin Monitor With Background Correction. AIHA Journal, 1987, 48, 594-598.	0.4	0