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	6592 79 h-index	12233 133 g-index
432 all docs	432 docs citations	432 times ranked	17191 citing authors

#	Article	IF	Citations
1	Current and emerging opportunities in biological mediumâ€based computing and digital data storage. Nano Select, 2022, 3, 883-902.	1.9	2
2	In vivo SERS monitoring in plants using plasmonic nanoprobes. , 2022, , .		1
3	Analysis of SERS spectra of plasmonic nanoprobes for multiplexed biomarker detection using machine learning. , 2022, , .		0
4	Development of Gold Nanostars for Photothermal and Immunotherapy Applications. , 2022, , 555-575.		0
5	OSCA1 is an osmotic specific sensor: a method to distinguish Ca²⁺â€mediated osmotic and ionic perception. New Phytologist, 2022, 235, 1665-1678.	3.5	10
6	Plasmonic nanoplatforms: From surfaceâ€enhanced Raman scattering sensing to biomedical applications. Journal of Raman Spectroscopy, 2021, 52, 541-553.	1.2	21
7	Accurate in vivo tumor detection using plasmonic-enhanced shifted-excitation Raman difference spectroscopy (SERDS). Theranostics, 2021, 11, 4090-4102.	4.6	20
8	Plasmonic gold nanostars for synergistic photoimmunotherapy to treat cancer. Nanophotonics, 2021, 10, 3295-3302.	2.9	8
9	Flg22â€induced Ca²⁺ increases undergo desensitization and resensitization. Plant, Cell and Environment, 2021, 44, 3793-3805.	2.8	11
10	Plasmonic Gold Nanostar-Mediated Photothermal Immunotherapy. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	1.9	12
11	Nanoparticle-Mediated Heating: A Theoretical Study for Photothermal Treatment and Photo Immunotherapy. Bioanalysis, 2021, , 89-114.	0.1	0
12	Nanoparticle Systems Applied for Immunotherapy in Various Treatment Modalities. Bioanalysis, 2021, , 117-142.	0.1	0
13	Multifunctional Gold Nanostars for Sensitive Detection, Photothermal Treatment and Immunotherapy of Brain Tumor. Bioanalysis, 2021, , 235-255.	0.1	0
14	The New Frontier in Medicine at the Convergence of Nanotechnology and Immunotherapy. Bioanalysis, 2021, , 3-27.	0.1	0
15	Gold Nanostars: A Novel Platform for Developing 211At-Labeled Agents for Targeted Alpha-Particle Therapy. International Journal of Nanomedicine, 2021, Volume 16, 7297-7305.	3.3	6
16	Smartphone-Based Device for Colorimetric Detection of MicroRNA Biomarkers Using Nanoparticle-Based Assay. Sensors, 2021, 21, 8044.	2.1	12
17	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
18	Plasmonic assay for amplification-free cancer biomarkers detection in clinical tissue samples. Analytica Chimica Acta, 2020, 1139, 111-118.	2.6	10

#	Article	IF	Citations
19	3D-printed phantoms for characterizing SERS nanoparticle detectability in turbid media. Analyst, The, 2020, 145, 6045-6053.	1.7	7
20	Plasmonic nanobiosensors for detection of microRNA cancer biomarkers in clinical samples. Analyst, The, 2020, 145, 4587-4594.	1.7	24
21	Direct SERDS sensing of molecular biomarkers in plants under field conditions. Analytical and Bioanalytical Chemistry, 2020, 412, 3457-3466.	1.9	6
22	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. JPhys Photonics, 2020, 2, 034012.	2.2	3
23	Plant cell-surface GIPC sphingolipids sense salt to trigger Ca2+ influx. Nature, 2019, 572, 341-346.	13.7	341
24	Direct and Label-Free Detection of MicroRNA Cancer Biomarkers using SERS-Based Plasmonic Coupling Interference (PCI) Nanoprobes. Journal of Physical Chemistry B, 2019, 123, 10245-10251.	1.2	13
25	Plasmonic Nanoprobes for in Vivo Multimodal Sensing and Bioimaging of MicroRNA within Plants. ACS Applied Materials & Interfaces, 2019, 11, 7743-7754.	4.0	42
26	SERS in Plain Sight: A Polarization Modulation Method for Signal Extraction. Analytical Chemistry, 2019, 91, 3319-3326.	3.2	7
27	Fiber-optrode SERS probes using plasmonic silver-coated gold nanostars. Sensors and Actuators B: Chemical, 2019, 287, 95-101.	4.0	57
28	Biodistribution and sensitive tracking of immune cells with plasmonic gold nanostars . International Journal of Nanomedicine, 2019, Volume 14, 3403-3411.	3.3	10
29	Inverse Molecular Sentinel-Integrated Fiberoptic Sensor for Direct and in Situ Detection of miRNA Targets. Analytical Chemistry, 2019, 91, 6345-6352.	3.2	31
30	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. International Journal of Radiation Oncology Biology Physics, 2019, 104, 291-301.	0.4	16
31	Non-invasive sensitive brain tumor detection using dual-modality bioimaging nanoprobe. Nanotechnology, 2019, 30, 275101.	1.3	21
32	Plasmonic gold nanostar-mediated photothermal immunotherapy for brain tumor ablation and immunologic memory. Immunotherapy, 2019, 11, 1293-1302.	1.0	55
33	Synthesis and functionalization of gold nanostars for singlet oxygen production. Journal of Industrial and Engineering Chemistry, 2019, 69, 233-240.	2.9	12
34	Application of plasmonic nanoprobes for SERS sensing and imaging of biotargets in plant systems. , 2019, , .		1
35	Implantable "smart tattoo" SERS nanosensors for in vivo detection of nucleic acid biotargets in a large animal model. , 2019, , .		1
36	A nanophotonic-based assay for point-of-care medical diagnostics of malaria in low and middle income countries. , 2019, , .		1

#	Article	IF	Citations
37	Direct detection of nanostar probes through a monkey skull using inverse surface-enhanced spatially offset Raman spectroscopy (SESORS). , 2019, , .		0
38	In vivo nucleic acid detection and imaging within whole plants using plasmonic nanosensors. , 2019, , .		0
39	Surface-enhanced spatially offset Raman spectroscopy (SESORS) for subsurface detection of nanostar probes. , 2019, , .		0
40	Inverse molecular sentinel-integrated fiber sensor for direct detection of miRNA targets. , 2019, , .		0
41	Direct detection of cancer biomarkers using plasmonics-based Inverse Molecular Sentinel (iMS) nanobiosensors. , 2019, , .		0
42	In vivo detection of microRNA within plants using plasmonic nanosensors. , 2019, , .		0
43	Direct Detection of Unamplified Pathogen RNA in Blood Lysate using an Integrated Lab-in-a-Stick Device and Ultrabright SERS Nanorattles. Scientific Reports, 2018, 8, 4075.	1.6	47
44	Manipulation of the Geometry and Modulation of the Optical Response of Surfactant-Free Gold Nanostars: A Systematic Bottom-Up Synthesis. ACS Omega, 2018, 3, 2202-2210.	1.6	76
45	Surface-enhanced Raman scattering nanosensors for in vivo detection of nucleic acid targets in a large animal model. Nano Research, 2018, 11, 4005-4016.	5.8	34
46	What potential does plasmonics-amplified synergistic immuno photothermal nanotherapy have for treatment of cancer?. Nanomedicine, 2018, 13, 139-144.	1.7	11
47	Spectroscopic Chemical Sensing and Imaging: From Plants to Animals and Humans. Chemosensors, 2018, 6, 11.	1.8	16
48	Tailoring the Coreâ€“Satellite Nanoassembly Architectures by Tuning Internanoparticle Electrostatic Interactions. Langmuir, 2018, 34, 14617-14623.	1.6	17
49	Gold nanoparticles-mediated photothermal therapy and immunotherapy. Immunotherapy, 2018, 10, 1175-1188.	1.0	162
50	Shiftedâ€excitation Raman difference spectroscopy for the detection of SERSâ€encoded gold nanostar probes. Journal of Raman Spectroscopy, 2018, 49, 1961-1967.	1.2	8
51	Rapid Nanophotonics Assay for Head and Neck Cancer Diagnosis. Scientific Reports, 2018, 8, 11410.	1.6	17
52	Inverse surfaceâ€enhanced spatially offset Raman spectroscopy (SESORS) through a monkey skull. Journal of Raman Spectroscopy, 2018, 49, 1452-1460.	1.2	18
53	Shining Gold Nanostars: From Cancer Diagnostics to Photothermal Treatment and Immunotherapy. Journal of Immunological Sciences, 2018, 2, 1-8.	0.5	26
54	Synergistic immuno photothermal nanotherapy (SYMPHONY) to treat unresectable and metastatic cancers and produce and cancer vaccine effect. , 2018, , .		0

#	Article	IF	Citations
55	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. Blood, 2018, 132, 2581-2581.	0.6	0
56	SERS-based inverse molecular sentinel (iMS) nanoprobes for multiplexed detection of microRNA cancer biomarkers in biological samples. , 2017, , .		1
57	Plasmonic SERS nanochips and nanoprobes for medical diagnostics and bio-energy applications. Proceedings of SPIE, 2017, , .	0.8	0
58	DNA detection and single nucleotide mutation identification using SERS for molecular diagnostics and global health. Proceedings of SPIE, 2017, , .	0.8	1
59	Human Adipose-Derived Stem Cells Labeled with Plasmonic Gold Nanostars for Cellular Tracking and Photothermal Cancer Cell Ablation. Plastic and Reconstructive Surgery, 2017, 139, 900e-910e.	0.7	13
60	Nanosensors for nucleic acid targets detection using SERS. Proceedings of SPIE, 2017, , .	0.8	1
61	Plasmonic nanochip for SERS chemical and biomedical sensing. , 2017, , .		0
62	Squamous cell carcinoma DNA detection using ultrabright SERS nanorattles and magnetic beads for head and neck cancer molecular diagnostics. Analytical Methods, 2017, 9, 5550-5556.	1.3	11
63	Synergistic Immuno Photothermal Nanotherapy (SYMPHONY) for the Treatment of Unresectable and Metastatic Cancers. Scientific Reports, 2017, 7, 8606.	1.6	113
64	Photothermal ablation of inflammatory breast cancer tumor emboli using plasmonic gold nanostars. International Journal of Nanomedicine, 2017, Volume 12, 6259-6272.	3.3	27
65	Molecular SERS Nanoprobes for Medical Diagnostics. , 2017, , 289-306.		1
66	Development of Gold Nanostars for Two-Photon Photoluminescence Imaging and Photothermal Therapy. , 2017, , 561-578.		0
67	Biosensing and Theranostics Applications of Gold Nanostars. , 2017, , 439-448.		0
68	Nanotechnology at the Frontier of Biology and Medicine. , 2017, , 1-16.		0
69	Sensitive DNA Detection and SNP Identification Using Ultrabright SERS Nanorattles and Magnetic Beads for In Vitro Diagnostics. , 2017, , 609-626.		0
70	In Vivo Sensing Using SERS Nanosensors. , 2017, , 695-702.		0
71	Optical Nanobiosensors and Nanoprobes. , 2017, , 229-240.		0
72	â€œDry-stateâ€•surface-enhanced Raman scattering (SERS): toward non-destructive analysis of dyes on textile fibers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	19

#	Article	IF	Citations
73	Reversible Gating of Plasmonic Coupling for Optical Signal Amplification. ACS Applied Materials & Interfaces, 2016, 8, 18157-18164.	4.0	1
74	Multiplexed Detection of MicroRNA Biomarkers Using SERS-Based Inverse Molecular Sentinel (iMS) Nanoprobes. Journal of Physical Chemistry C, 2016, 120, 21047-21055.	1.5	109
75	Photothermal effects of plasmonic metal nanoparticles in a fluid. Journal of Applied Physics, 2016, 119, .	1.1	37
76	Tunable and amplified Raman gold nanoprobes for effective tracking (TARGET): in vivo sensing and imaging. Nanoscale, 2016, 8, 8486-8494.	2.8	29
77	Plasmon-Resonant Gold Nanostars With Variable Size as Contrast Agents for Imaging Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 13-20.	1.9	23
78	Improvement in Electrotransfection of Cells Using Carbon-Based Electrodes. Cellular and Molecular Bioengineering, 2016, 9, 538-545.	1.0	12
79	Folate Receptor-Targeted Theranostic Nanoconstruct for Surface-Enhanced Raman Scattering Imaging and Photodynamic Therapy. ACS Omega, 2016, 1, 730-735.	1.6	18
80	Tracking mesenchymal stromal cells using an ultraâ€bright TATâ€functionalized plasmonicâ€active nanoplatform. Journal of Biophotonics, 2016, 9, 406-413.	1.1	11
81	Sensitive DNA detection and SNP discrimination using ultrabright SERS nanorattles and magnetic beads for malaria diagnostics. Biosensors and Bioelectronics, 2016, 81, 8-14.	5.3	111
82	Plasmonic SERS biosensing nanochips for DNA detection. Analytical and Bioanalytical Chemistry, 2016, 408, 1773-1781.	1.9	90
83	Plasmonic fano resonance sensing system using gold nanosphere and J-aggregates. , 2016, , .		0
84	A Plasmonic Gold Nanostar Theranostic Probe for In Vivo Tumor Imaging and Photothermal Therapy. Theranostics, 2015, 5, 946-960.	4.6	254
85	Multifunctional gold nanostars for molecular imaging and cancer therapy. Frontiers in Chemistry, 2015, 3, 51.	1.8	56
86	Time-Resolved Synchronous Fluorescence for Biomedical Diagnosis. Sensors, 2015, 15, 21746-21759.	2.1	9
87	Plasmonics-based SERS nanobiosensor for homogeneous nucleic acid detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 811-814.	1.7	57
88	Plasmonic Gold Nanostars for Multi-Modality Sensing and Diagnostics. Sensors, 2015, 15, 3706-3720.	2.1	66
89	Multiplex DNA Biosensor for Viral Infection Diagnosis Using SERS Molecular Sentinel-on-Chip. IFMBE Proceedings, 2015, , 15-20.	0.2	0
90	Inherently Stealthy and Highly Tumor-Selective Gold Nanoraspberries for Photothermal Cancer Therapy. Scientific Reports, 2015, 5, 10311.	1.6	22

#	Article	IF	Citations
91	Silver embedded nanostars for SERS with internal reference (SENSIR). Journal of Materials Chemistry C, 2015, 3, 7319-7324.	2.7	55
92	Fano resonance in a gold nanosphere with a J-aggregate coating. Physical Chemistry Chemical Physics, 2015, 17, 24931-24936.	1.3	25
93	In vivo detection of SERS-encoded plasmonic nanostars in human skin grafts and live animal models. Analytical and Bioanalytical Chemistry, 2015, 407, 8215-8224.	1.9	32
94	<scp>SERS</scp> Nanosensors and Nanoreporters: Golden Opportunities in Biomedical Applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 17-33.	3.3	103
95	Micovascular integration into porous polyHEMA scaffold. Proceedings of SPIE, 2014, , .	0.8	2
96	Optically enhanced blood-brain-barrier crossing of plasmonic-active nanoparticles in preclinical brain tumor animal models. Proceedings of SPIE, 2014, , .	0.8	2
97	Enhanced SPR Sensitivity with Nano-Micro-Ribbon Gratingâ€"an Exhaustive Simulation Mapping. Plasmonics, 2014, 9, 79-92.	1.8	9
98	Multiplex detection of disease biomarkers using SERS molecular sentinel-on-chip. Analytical and Bioanalytical Chemistry, 2014, 406, 3335-3344.	1.9	46
99	Development of Hybrid Silver-Coated Gold Nanostars for Nonaggregated Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2014, 118, 3708-3715.	1.5	134
100	Direct analysis of traditional Chinese medicines using surfaceâ€enhanced raman scattering (SERS). Drug Testing and Analysis, 2014, 6, 1063-1068.	1.6	28
101	Plasmonics-enhanced and optically modulated delivery of gold nanostars into brain tumor. Nanoscale, 2014, 6, 4078-4082.	2.8	54
102	Preparation of Liquid and Solid Samples. , 2014, , 1-14.		2
103	DNA bioassay-on-chip using SERS detection for dengue diagnosis. Analyst, The, 2014, 139, 5655-5659.	1.7	75
104	Nanosensors for Single-Cell Analyses. , 2014, , 575-616.		0
105	Plasmonic Coupling Interference Nanoprobes for Gene Diagnostics. , 2014, , 631-640.		0
106	Multifunctional Theranostic Nanoplatform: Plasmonic-Active Gold Nanostars. , 2014, , 295-314.		0
107	pHâ€sensing nanostar probe using surfaceâ€enhanced Raman scattering (SERS): theoretical and experimental studies. Journal of Raman Spectroscopy, 2013, 44, 980-986.	1.2	61
108	Quintuple-modality (SERS-MRI-CT-TPL-PTT) plasmonic nanoprobe for theranostics. Nanoscale, 2013, 5, 12126.	2.8	92

#	Article	IF	Citations
109	Plasmonic nanoprobes: from chemical sensing to medical diagnostics and therapy. Nanoscale, 2013, 5, 10127.	2.8	134
110	Spectroscopic and vibrational analysis of the methoxypsoralen system: A comparative experimental and theoretical study. Journal of Molecular Structure, 2013, 1035, 13-18.	1.8	7
111	Spectral characterization and intracellular detection of Surfaceâ€Enhanced Raman Scattering (SERS)â€encoded plasmonic gold nanostars. Journal of Raman Spectroscopy, 2013, 44, 234-239.	1.2	128
112	Molecular sentinel-on-chip for SERS-based biosensing. Physical Chemistry Chemical Physics, 2013, 15, 6008.	1.3	43
113	Quantitative Surface-Enhanced Resonant Raman Scattering Multiplexing of Biocompatible Gold Nanostars for in Vitro and ex Vivo Detection. Analytical Chemistry, 2013, 85, 208-212.	3.2	141
114	Cell-Penetrating Peptide Enhanced Intracellular Raman Imaging and Photodynamic Therapy. Molecular Pharmaceutics, 2013, 10, 2291-2298.	2.3	75
115	Label-Free DNA Biosensor Based on SERS Molecular Sentinel on Nanowave Chip. Analytical Chemistry, 2013, 85, 6378-6383.	3.2	135
116	Plasmonic nanoprobes for intracellular sensing and imaging. Analytical and Bioanalytical Chemistry, 2013, 405, 6165-6180.	1.9	56
117	Surface-enhanced Raman scattering molecular sentinel nanoprobes for viral infection diagnostics. Analytica Chimica Acta, 2013, 786, 153-158.	2.6	31
118	Plasmonic Gold Nanostars: A Potential Agent for Molecular Imaging and Cancer Therapy. , 2012, , .		3
119	Bimodal behavior and isobestic transition pathway in surface plasmon resonance sensing. Optics Express, 2012, 20, 23630.	1.7	7
120	Multicontrast nonlinear optical microscopy with a compact and rapid pulse shaper. Optics Letters, 2012, 37, 2763.	1.7	7
121	Imaging a spatially confined photoacoustic source defined by a distribution of plasmonic nanoparticles. Journal of Applied Physics, 2012, 111, 094305.	1.1	0
122	Introduction to the Issue on Biophotonicsâ€”Part 1. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1039-1041.	1.9	0
123	Guest Editorial Introduction to the Issue on Biophotonicsâ€”Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1267-1269.	1.9	0
124	Direct Optical Imaging of Graphene In Vitro by Nonlinear Femtosecond Laser Spectral Reshaping. Nano Letters, 2012, 12, 5936-5940.	4.5	29
125	In vivo particle tracking and photothermal ablation using plasmon-resonant gold nanostars. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1355-1363.	1.7	168
126	Assessing the Location of Surface Plasmons Over Nanotriangle and Nanohole Arrays of Different Size and Periodicity. Journal of Physical Chemistry C, 2012, 116, 6884-6892.	1.5	51

#	Article	IF	Citations
127	Plasmonic Nanowave Substrates for SERS: Fabrication and Numerical Analysis. Journal of Physical Chemistry C, 2012, 116, 7534-7545.	1.5	22
128	Gold nanostars: surfactant-free synthesis, 3D modelling, and two-photon photoluminescence imaging. Nanotechnology, 2012, 23, 075102.	1.3	619
129	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.	6.6	491
130	Angle-dependent resonance of localized and propagating surface plasmons in microhole arrays for enhanced biosensing. Analytical and Bioanalytical Chemistry, 2012, 404, 2859-2868.	1.9	35
131	The effect of reactive atypia/inflammation on the laserâ€induced fluorescence diagnosis of nonâ€dysplastic Barrett's esophagus. Lasers in Surgery and Medicine, 2012, 44, 390-396.	1.1	7
132	Design and Fabrication of Fiber-Optic Nanoprobes for Optical Sensing. Nanoscale Research Letters, 2011, 6, 18.	3.1	21
133	Activity of Psoralen-Functionalized Nanoscintillators against Cancer Cells upon X-ray Excitation. ACS Nano, 2011, 5, 4679-4687.	7.3	81
134	Silica-Coated Gold Nanostars for Combined Surface-Enhanced Raman Scattering (SERS) Detection and Singlet-Oxygen Generation: A Potential Nanoplatform for Theranostics. Langmuir, 2011, 27, 12186-12190.	1.6	208
135	Plasmonics Quenching and Enhancement of a Fluorescing Molecule Outside and Inside a Silver Metallic Nanoshell. IEEE Nanotechnology Magazine, 2011, 10, 1264-1274.	1.1	9
136	Nanostructured substrates for surface plasmon resonance sensors. , 2011, , .		0
137	Narrow groove plasmonic nano-gratings for surface plasmon resonance sensing. Optics Express, 2011, 19, 787.	1.7	98
138	Micro- and nanotopographies for photoelectrochemical energy conversion. II: Photoelectrocatalysis â€“ Classical and advanced systems. Electrochimica Acta, 2011, 56, 10726-10736.	2.6	21
139	Hybrid Topâ€Down and Bottomâ€Up Fabrication Approach for Waferâ€Scale Plasmonic Nanoplatforms. Small, 2011, 7, 727-731.	5.2	25
140	Plasmonic Coupling Interference (PCI) Nanoprobes for Nucleic Acid Detection. Small, 2011, 7, 3067-3074.	5.2	36
141	Singleâ€cell monitoring using fiberoptic nanosensors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 79-85.	3.3	24
142	Characterization of nanoprobe uptake in single cells: spatial and temporal tracking via SERS labeling and modulation of surface charge. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 115-122.	1.7	40
143	Amplification of fluorescence emission of CdSe/ZnS QDs entrapped in a solâ€“gel matrix, a new approach for detection of trace level of PAHs. Sensors and Actuators B: Chemical, 2011, 157, 139-145.	4.0	22
144	Compact point-detection fluorescence spectroscopy system for quantifying intrinsic fluorescence redox ratio in brain cancer diagnostics. Journal of Biomedical Optics, 2011, 16, 037004.	1.4	51

#	Article	IF	Citations
145	Deep UV nano-microstructuring of substrates for surface plasmon resonance imaging. Nanotechnology, 2011, 22, 165301.	1.3	30
146	Plasmonic nanoprobes for SERS biosensing and bioimaging. Journal of Biophotonics, 2010, 3, 89-102.	1.1	187
147	Photoelectrocatalysis: principles, nanoemitter applications and routes to bio-inspired systems. Energy and Environmental Science, 2010, 3, 748.	15.6	88
148	Plasmonics nanoprobes: detection of single-nucleotide polymorphisms in the breast cancer BRCA1 gene. Analytical and Bioanalytical Chemistry, 2010, 398, 729-736.	1.9	37
149	Investigation of Synchronous Fluorescence Method in Multicomponent Analysis in Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 927-940.	1.9	23
150	On the behaviour of Au plasmonic nanoparticles during hydrogen evolution at p-Si. Electrochemistry Communications, 2010, 12, 1298-1301.	2.3	13
151	Cellular Uptake and Photodynamic Activity of Protein Nanocages Containing Methylene Blue Photosensitizing Drug. Photochemistry and Photobiology, 2010, 86, 662-666.	1.3	51
152	Investigating the plasmonics of a dipole-excited silver nanoshell: Mie theory versus finite element method. Nanotechnology, 2010, 21, 315203.	1.3	54
153	Plasmonic Nanoparticles and Nanowires: Design, Fabrication and Application in Sensing. Journal of Physical Chemistry C, 2010, 114, 7480-7488.	1.5	105
154	Trace Molecular Detection via Surface-Enhanced Raman Scattering and Surface-Enhanced Resonance Raman Scattering at a Distance of 15 Meters. Applied Spectroscopy, 2010, 64, 485-492.	1.2	24
155	Surface-Enhanced Raman Scattering Detection and Tracking of Nanoprobes: Enhanced Uptake and Nuclear Targeting in Single Cells. Applied Spectroscopy, 2010, 64, 858-866.	1.2	42
156	A novel cyanide ion sensing approach based on Raman scattering for the detection of environmental cyanides. Ecotoxicology and Environmental Safety, 2010, 73, 1490-1494.	2.9	10
157	Methodologies for Developing Surface-Enhanced Raman Scattering (SERS) Substrates for Detection of Chemical and Biological Molecules. IEEE Sensors Journal, 2010, 10, 608-616.	2.4	30
158	A highly sensitive Raman method for selective cyanide detection based on evaporated cuprous iodide substrate. Analytical Methods, 2010, 2, 458.	1.3	8
159	Nano-biophotonics: From laboratory research to biomedical diagnostics. , 2009, , .		0
160	SERS-based plasmonic nanobiosensing in single living cells. Analytical and Bioanalytical Chemistry, 2009, 393, 1135-1141.	1.9	130
161	Fabrication of nanodot plasmonic waveguide structures using FIB milling and electron beamâ€induced deposition. Scanning, 2009, 31, 139-146.	0.7	34
162	Demonstration of Surface-Enhanced Raman Scattering by Tunable, Plasmonic Gallium Nanoparticles. Journal of the American Chemical Society, 2009, 131, 12032-12033.	6.6	81

#	Article	IF	Citations
163	Comparison of FDTD numerical computations and analytical multipole expansion method for plasmonics-active nanosphere dimers. Optics Express, 2009, 17, 9688.	1.7	89
164	Plasmonics enhancement of a luminescent or Raman-active layer in a multilayered metallic nanoshell. Applied Optics, 2009, 48, 5040.	2.1	7
165	Multiplex detection of breast cancer biomarkers using plasmonic molecular sentinel nanoprobes. Nanotechnology, 2009, 20, 065101.	1.3	121
166	Plasmonics of 3-D Nanoshell Dimers Using Multipole Expansion and Finite Element Method. ACS Nano, 2009, 3, 2776-2788.	7.3	100
167	Applications of fiber-optics-based nanosensors to drug discovery. Expert Opinion on Drug Discovery, 2009, 4, 889-900.	2.5	15
168	FIB/SEM Fabrication of Nanostructures for Plasmonic Sensors and Waveguides. Microscopy and Microanalysis, 2009, 15, 354-355.	0.2	0
169	Spectral filtering modulation method for estimation of hemoglobin concentration and oxygenation based on a single fluorescence emission spectrum in tissue phantoms. Medical Physics, 2009, 36, 4819-4829.	1.6	26
170	Intensified biochip system using chemiluminescence for the detection of Bacillus globigii spores. Analytical and Bioanalytical Chemistry, 2008, 391, 1655-1660.	1.9	11
171	Focus on bioanalysis. Analytical and Bioanalytical Chemistry, 2008, 391, 1483-1484.	1.9	0
172	Nanosensing at the single cell level. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 95-103.	1.5	40
173	Nanobiosensing Using Plasmonic Nanoprobes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 198-205.	1.9	31
174	Gold Nanostars For Surface-Enhanced Raman Scattering: Synthesis, Characterization and Optimization. Journal of Physical Chemistry C, 2008, 112, 18849-18859.	1.5	608
175	Optical response of linear chains of metal nanospheres and nanospheroids. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2767.	0.8	24
176	Apoferritin protein cages: a novel drug nanocarrier for photodynamic therapy. Chemical Communications, 2008, , 4579.	2.2	42
177	Computational design of FIB-milled nanostructures for use in biosensing. , 2008, , .		0
178	Spectral bounds on plasmon resonances for Ag and Au prolate and oblate nanospheroids. Journal of Nanophotonics, 2008, 2, 029501.	0.4	16
179	Nanosensors and nanoprobes for environmental health sensing and biomedical screening. , 2008, , .		1
180	Development of plasmonics-active SERS substrates on a wafer scale for chemical and biological sensing applications. , 2008, , .		3

#	Article	IF	Citations
181	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
182	Silver Nanoparticle-Doped Polyvinyl Alcohol Coating as a Mediumfor Surface-Enhanced Raman Scattering Analysis. Journal of Nanoscience and Nanotechnology, 2008, 8, 955-960.	0.9	9
183	Photodynamic therapy of Barrett's esophagus: ablation of Barrett's mucosa and reduction in p53 protein expression after treatment. Anticancer Research, 2008, 28, 485-9.	0.5	5
184	Plasmon Resonances of Nanoshells of Spheroidal Shape. IEEE Nanotechnology Magazine, 2007, 6, 627-638.	1.1	20
185	Development of a synchronous fluorescence imaging system and data analysis methods. Optics Express, 2007, 15, 12583.	1.7	29
186	Imaging the Distribution of Magnetic Nanoparticles With Ultrasound. IEEE Transactions on Medical Imaging, 2007, 26, 660-665.	5.4	19
187	Nanobiosensing Using Plasmonics Nanoprobes. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
188	Theoretical Simulation and Focused Ion Beam Fabrication of Gold Nanostructures for Surface-Enhanced Raman Scattering (SERS). Nanobiotechnology, 2007, 3, 164-171.	1.2	28
189	Surface-enhanced Raman scattering detection of chemical and biological agents using a portable Raman integrated tunable sensor. Sensors and Actuators B: Chemical, 2007, 121, 61-66.	4.0	142
190	Synthesis and characterization of SERS gene probe for BRCA-1 (breast cancer). Faraday Discussions, 2006, 132, 293-301.	1.6	39
191	Hyperspectral Fluorescence Imaging for Mouse Skin Tumor Detection. ETRI Journal, 2006, 28, 770-776.	1.2	44
192	Direct identification of alizarin and lac dye on painting fragments using surface-enhanced Raman scattering. Analytica Chimica Acta, 2006, 569, 234-237.	2.6	46
193	Nanoprobes and nanobiosensors for monitoring and imaging individual living cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 22-30.	1.7	86
194	FRET-based proteinâ€“DNA binding assay for detection of active NF-Î¹B. Sensors and Actuators B: Chemical, 2006, 113, 649-654.	4.0	25
195	An AOTF-based dual-modality hyperspectral imaging system (DMHSI) capable of simultaneous fluorescence and reflectance imaging. Medical Engineering and Physics, 2006, 28, 149-155.	0.8	30
196	Development of an Advanced Hyperspectral Imaging (HSI) System with Applications for Cancer Detection. Annals of Biomedical Engineering, 2006, 34, 1061-1068.	1.3	150
197	Antibody-based SERS diagnostics of fhit protein without label. Nanobiotechnology, 2006, 2, 29-35.	1.2	5
198	Application of surface-enhanced Raman scattering (SERS) for the identification of anthraquinone dyes used in works of art. Journal of Raman Spectroscopy, 2006, 37, 520-527.	1.2	115

#	Article	IF	Citations
199	Self-Assembly of Silver Nanoparticles:â€‰ Synthesis, Stabilization, Optical Properties, and Application in Surface-Enhanced Raman Scattering. Journal of Physical Chemistry B, 2006, 110, 13436-13444.	1.2	123
200	A compact CMOS biochip immunosensor towards the detection of a single bacteria. Biosensors and Bioelectronics, 2005, 20, 2203-2209.	5.3	64
201	Applications of Carbon Nanotubes for Cancer Research. Nanobiotechnology, 2005, 1, 171-182.	1.2	32
202	Photothermal Treatment of Human Carcinoma Cells Using Liposome-Encapsulated Gold Nanoshells. Nanobiotechnology, 2005, 1, 245-252.	1.2	6
203	Welcome to NanoBio Euro 2005. Nanobiotechnology, 2005, 1, 253-254.	1.2	0
204	Detection of Human Immunodeficiency Virus Type 1 DNA Sequence Using Plasmonics Nanoprobes. Analytical Chemistry, 2005, 77, 7810-7815.	3.2	230
205	Surface-enhanced Raman scattering for medical diagnostics and biological imaging. Journal of Raman Spectroscopy, 2005, 36, 640-647.	1.2	209
206	Fiber-optic nanosensors for single-cell monitoring. Analytical and Bioanalytical Chemistry, 2005, 382, 918-925.	1.9	82
207	Dual modality fluorescence and reflectance hyperspectral imaging: principle and applications. , 2005, 5692, 133.		15
208	Protein Nanotechnology: The New Frontier in Biosciences. , 2005, 300, 001-014.		10
209	Optical Nanobiosensor for Monitoring an Apoptotic Signaling Process in a Single Living Cell Following Photodynamic Therapy. Journal of Nanoscience and Nanotechnology, 2005, 5, 2057-2062.	0.9	12
210	Hyperspectral surface-enhanced Raman imaging of labeled silver nanoparticles in single cells. Review of Scientific Instruments, 2005, 76, 063710.	0.6	48
211	Near-real-time determination of hydrogen peroxide generated from cigarette smoke. Journal of Environmental Monitoring, 2005, 7, 681.	2.1	27
212	Optical Nanosensors for Detecting Proteins and Biomarkers in Individual Living Cells. , 2005, 300, 383-402.		9
213	Plasmonics-Based Nanostructures for Surface-Enhanced Raman Scattering Bioanalysis. , 2005, 300, 255-284.		25
214	Surface-enhanced Raman scattering detection of chemical and biological agent simulants. IEEE Sensors Journal, 2005, 5, 665-670.	2.4	55
215	Single-board computer based control system for a portable Raman device with integrated chemical identification. Review of Scientific Instruments, 2004, 75, 2016-2023.	0.6	10
216	Screening for the breast cancer gene (BRCA1) using a biochip system and molecular beacon probes immobilized on solid surfaces. Journal of Biomedical Optics, 2004, 9, 439.	1.4	9

#	Article	IF	Citations
217	A hyperspectral imaging system for in vivo optical diagnostics. IEEE Engineering in Medicine and Biology Magazine, 2004, 23, 40-49.	1.1	136
218	Application of a miniature biochip using the molecular beacon probe in breast cancer gene BRCA1 detection. Biosensors and Bioelectronics, 2004, 19, 1007-1012.	5.3	59
219	Implication of mitochondrial involvement in apoptotic activity of fragile histidine triad gene: Application of synchronous luminescence spectroscopy. Biopolymers, 2004, 73, 510-523.	1.2	18
220	Miniature biochip system for detection of Escherichia coli O157:H7 based on antibody-immobilized capillary reactors and enzyme-linked immunosorbent assay. Analytica Chimica Acta, 2004, 507, 115-121.	2.6	38
221	Investigation of microfabrication of biological sample arrays using piezoelectric and bubble-jet printing technologies. Analytica Chimica Acta, 2004, 518, 77-85.	2.6	76
222	DETECTION OF POLYCYCLIC AROMATIC COMPOUNDS IN SINGLE LIVING CELLS USING OPTICAL NANOPROBES. Polycyclic Aromatic Compounds, 2004, 24, 221-235.	1.4	6
223	Optical Sensor for the Detection of Caspase-9 Activity in a Single Cell. Journal of the American Chemical Society, 2004, 126, 2799-2806.	6.6	104
224	Detection of Cytochromecin a Single Cell Using an Optical Nanobiosensor. Analytical Chemistry, 2004, 76, 2591-2594.	3.2	75
225	Remote monitors for in situ characterization of hazardous wastes. Waste Management Series, 2004, 4, 485-502.	0.0	1
226	Surface-Enhanced-Raman-Scattering-Inducing Nanoprobe for Spectrochemical Analysis. Applied Spectroscopy, 2004, 58, 292-298.	1.2	92
227	Multi-analyte analysis system using an antibody-based biochip. Analytical and Bioanalytical Chemistry, 2003, 375, 120-124.	1.9	33
228	Application of an integrated microchip system with capillary array electrophoresis to optimization of enzymatic reactions. Analytica Chimica Acta, 2003, 487, 75-82.	2.6	13
229	Real-time detection of PAH mixtures in the vapor phase at high temperatures. Journal of Analytical and Applied Pyrolysis, 2003, 66, 145-154.	2.6	13
230	Multi-functional biochip for medical diagnostics and pathogen detection. Sensors and Actuators B: Chemical, 2003, 90, 104-111.	4.0	23
231	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.	1.2	29
232	A Miniature Biochip System for Detection of AerosolizedBacillus globigiiSpores. Analytical Chemistry, 2003, 75, 275-280.	3.2	92
233	Surface-Enhanced Raman Scattering Substrate Based on a Self-Assembled Monolayer for Use in Gene Diagnostics. Analytical Chemistry, 2003, 75, 6196-6201.	3.2	169
234	Development of a multi-spectral imaging system for medical applications. Journal Physics D: Applied Physics, 2003, 36, 1663-1668.	1.3	25

#	ARTICLE	IF	CITATIONS
235	Development of a Fluorescence Detection System Using Optical Parametric Oscillator (OPO) Laser Excitation forin VivoDiagnosis. Technology in Cancer Research and Treatment, 2003, 2, 515-523.	0.8	8
236	Real-Time Monitoring of Polycyclic Aromatic Hydrocarbons in Cigarette Smoke Using Time-Resolved Laser-Induced Fluorescence. Polycyclic Aromatic Compounds, 2003, 23, 429-439.	1.4	4
237	Surface-enhanced Raman scattering for cancer diagnostics: detection of the BCL2 gene. Expert Review of Molecular Diagnostics, 2003, 3, 669-675.	1.5	34
238	Short pulse laser propagation through tissues for biomedical imaging. Journal Physics D: Applied Physics, 2003, 36, 1714-1721.	1.3	18
239	Photoacoustic method for the simultaneous acquisition of optical and ultrasonic spectra. Acoustics Research Letters Online: ARLO, 2003, 4, 89-94.	0.7	5
240	Critical assessment: Use of supersonic jet spectrometry for complex mixture analysis (IUPAC Technical) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	30
241	Amplification Techniques for Optical Detection. , 2003, , .		2
242	Monitoring Intracellular Proteins Using Fluorescence Techniques: From Protein Synthesis and Localization to Activity. Current Protein and Peptide Science, 2003, 4, 375-388.	0.7	14
243	Crossed-beam two-photon readout system for three-dimensional radiation dosimeters. Review of Scientific Instruments, 2002, 73, 4214-4217.	0.6	2
244	Radiation Dosimetry Using Three-dimensional Optical Random Access Memories. Radiation Protection Dosimetry, 2002, 101, 17-22.	0.4	1
245	Nanosensor for <I>In Vivo</I> Measurement of the Carcinogen Benzo[a]pyrene in a Single Cell. Journal of Nanoscience and Nanotechnology, 2002, 2, 653-658.	0.9	38
246	Analysis of short-pulse laser photon transport through tissues for optical tomography. Optics Letters, 2002, 27, 336.	1.7	49
247	Characterization of antibodies against benzo[a]pyrene with thermodynamic and kinetic constants. Talanta, 2002, 56, 1153-1161.	2.9	16
248	Laser-induced fluorescence spectroscopy for in vivo diagnosis of non-melanoma skin cancers. Lasers in Surgery and Medicine, 2002, 31, 367-373.	1.1	107
249	Cancer gene detection using surface-enhanced Raman scattering (SERS). Journal of Raman Spectroscopy, 2002, 33, 511-516.	1.2	200
250	Integrated CMOS microchip system with capillary array electrophoresis. Analytical and Bioanalytical Chemistry, 2002, 373, 399-403.	1.9	10
251	Surface-enhanced Raman scattering detection of the breast cancer susceptibility gene BRCA1 using a silver-coated microarray platform. Analytica Chimica Acta, 2002, 469, 149-154.	2.6	155
252	Integrated circuit microchip system with multiplex capillary electrophoresis module for DNA analysis. Analytica Chimica Acta, 2002, 466, 187-192.	2.6	8

#	Article	IF	Citations
253	Title is missing!. Journal of Fluorescence, 2002, 12, 57-63.	1.3	4
254	Nanosensor for in vivo measurement of the carcinogen benzo[a]pyrene in a single cell. Journal of Nanoscience and Nanotechnology, 2002, 2, 653-8.	0.9	14
255	Detection of E. coli using a microfluidics-based antibody biochip detection system. Fresenius' Journal of Analytical Chemistry, 2001, 369, 295-301.	1.5	62
256	Microarray sampling-platform fabrication using bubble-jet technology for a biochip system. Fresenius' Journal of Analytical Chemistry, 2001, 371, 146-150.	1.5	65
257	Nanosensors and biochips: frontiers in biomolecular diagnostics. Sensors and Actuators B: Chemical, 2001, 74, 2-11.	4.0	209
258	High-temperature vapor detection of polycyclic aromatic hydrocarbon fluorescence. Fuel, 2001, 80, 1819-1824.	3.4	12
259	Title is missing!. Biotechnology Letters, 2001, 23, 1697-1702.	1.1	3
260	Biomedical implications of protein folding and misfolding. Biotechnology and Applied Biochemistry, 2001, 33, 7.	1.4	15
261	A kinetic analysis using fractals of cellular analyte-receptor binding and dissociation. Biotechnology and Applied Biochemistry, 2001, 33, 17.	1.4	17
262	Application of an Antibody Biochip for p53 Detection and Cancer Diagnosis. Biotechnology Progress, 2001, 17, 543-552.	1.3	28
263	Micro Arrays and Biochips: Applications and Potential in Genomics and Proteomics. Current Genomics, 2001, 2, 399-415.	0.7	15
264	High-Temperature Fluorescence Measurements and Instrumentation for Polyaromatic Hydrocarbons (PAH): A Review. Polycyclic Aromatic Compounds, 2000, 18, 25-47.	1.4	5
265	Intracellular Measurements in Mammary Carcinoma Cells Using Fiber-Optic Nanosensors. Analytical Biochemistry, 2000, 277, 25-32.	1.1	110
266	Development of an integrated single-fiber SERS sensor. Sensors and Actuators B: Chemical, 2000, 69, 28-36.	4.0	162
267	Antibody-based nanoprobe for measurement of a fluorescent analyte in a single cell. Nature Biotechnology, 2000, 18, 764-767.	9.4	139
268	The development of optical nanosensors for biological measurements. Trends in Biotechnology, 2000, 18, 388-393.	4.9	85
269	Development of Nanosensors and Bioprobes. Journal of Nanoparticle Research, 2000, 2, 17-27.	0.8	35
270	Instrumentation and Measurement Issues for Nanometer Particles: Workshop Summary. Journal of Nanoparticle Research, 2000, 2, 103-112.	0.8	8

#	Article	IF	Citations
271	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. The Protein Journal, 2000, 19, 431-439.	1.1	31
272	Biosensors and biochips: advances in biological and medical diagnostics. Fresenius' Journal of Analytical Chemistry, 2000, 366, 540-551.	1.5	441
273	Development of a compact, handheld Raman instrument with no moving parts for use in field analysis. Review of Scientific Instruments, 2000, 71, 1602-1607.	0.6	45
274	Antibody-based biosensor for breast cancer with ultrasonic regeneration. Journal of Biomedical Optics, 2000, 5, 350.	1.4	17
275	Surface-Enhanced Raman of Dopamine and Neurotransmitters Using Sol-Gel Substrates and Polymer-Coated Fiber-Optic Probes. Applied Spectroscopy, 2000, 54, 1842-1848.	1.2	60
276	Three-Dimensional Optical Random Access Memory Materials for Use as Radiation Dosimeters. Analytical Chemistry, 2000, 72, 5612-5617.	3.2	12
277	Differentiation of Normal and Neoplastic Cells by Synchronous Fluorescence: Rat Liver Epithelial and Rat Hepatoma Cell Models. Analytical Letters, 1999, 32, 2583-2594.	1.0	11
278	Evaluation of a chemical vapor dosimeter using polymer-coated SERS substrates. Analytica Chimica Acta, 1999, 399, 265-274.	2.6	22
279	Demonstration of a separations-based fiberoptic sensor for bioanalysis. Analytica Chimica Acta, 1999, 399, 201-212.	2.6	1
280	Vibrational spectrum of strychnine: detection at the nanogram level using a Raman microscope. Journal of Raman Spectroscopy, 1999, 30, 435-439.	1.2	9
281	Surface-enhanced Raman Scattering (SERS) method and instrumentation for genomics and biomedical analysis. Journal of Raman Spectroscopy, 1999, 30, 785-793.	1.2	120
282	A new surface-enhanced Raman scattering substrate based on silver nanoparticles in sol-gel. Journal of Raman Spectroscopy, 1999, 30, 1057-1065.	1.2	36
283	Surface-enhanced Raman detection of chemical vapors with the use of personal dosimeters. Field Analytical Chemistry and Technology, 1999, 3, 346-356.	0.9	26
284	Aotf-Based Remote Sensor with SOL-GEL Probe. Instrumentation Science and Technology, 1999, 27, 343-355.	0.9	0
285	DNA Biochip Using a Phototransistor Integrated Circuit. Analytical Chemistry, 1999, 71, 358-363.	3.2	147
286	Surface-enhanced Raman detection of nicotinamide in vitamin tablets1The 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.1. Analytica Chimica Acta, 1998, 368, 21-28.	2.6	39
287	Rapid screening method for cocaine and benzoylecgonine in saliva samples. Analytica Chimica Acta, 1998, 372, 349-355.	2.6	7
288	Near-field surface-enhanced Raman spectroscopy of dye molecules adsorbed on silver island films. Chemical Physics Letters, 1998, 283, 381-385.	1.2	148

#	ARTICLE	IF	CITATIONS
289	Single- and Dual-Fractal Analysis of Hybridization Binding Kinetics: Biosensor Applications. Biotechnology Progress, 1998, 14, 782-790.	1.3	9
290	Development of a DNA biochip: principle and applications1The 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. Sensors and Actuators B: Chemical, 1998, 51, 52-58.	4.0	46
291	Surface-enhanced Raman spectroscopy using metallic nanostructures1The 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.	5.8	448
292	Monitoring and characterization of polyaromatic compounds in the environment. Talanta, 1998, 47, 943-969.	2.9	95
293	Laser-Induced Fluorescence for Esophageal Cancer and Dysplasia Diagnosisa. Annals of the New York Academy of Sciences, 1998, 838, 116-122.	1.8	51
294	Near-Field Surface-Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution. Analytical Chemistry, 1998, 70, 2646-2650.	3.2	183
295	Surface-Enhanced Raman Gene Probe for HIV Detection. Analytical Chemistry, 1998, 70, 1352-1356.	3.2	249
296	Evaluation of a Separation-Based Fiber-Optic Sensor in a Micellar Electrokinetic Capillary Chromatography Mode of Operation. Analytical Chemistry, 1997, 69, 3806-3811.	3.2	8
297	Laser-Induced Differential Fluorescence for Cancer Diagnosis without Biopsy. Applied Spectroscopy, 1997, 51, 58-63.	1.2	38
298	Nomenclature, symbols, units, and their usage in spectrochemical analysis XVI. Laser-based molecular spectrometry for chemical analysis - Luminescence (IUPAC Recommendations 1997). Pure and Applied Chemistry, 1997, 69, 1435-1450.	0.9	6
299	Antibody-antigen binding kinetics a model for multivalency antibodies for large antigen systems. Applied Biochemistry and Biotechnology, 1997, 67, 1-22.	1.4	18
300	Development of a New Capillary Electrophoresis-based Fibre Optic Sensor. Biomedical Chromatography, 1997, 11, 187-192.	0.8	8
301	Enhanced Photoactivated Luminescence of Selected Polychlorinated Biphenyl Congeners and Aroclor Mixtures. Microchemical Journal, 1997, 57, 350-360.	2.3	4
302	Phosphorescence imaging system using an acousto-optic filter-based charge coupled device. Analytica Chimica Acta, 1997, 351, 229-239.	2.6	7
303	Phosphorescence imaging system using an acousto-optic tunable filter and a charge-coupled device. Analytica Chimica Acta, 1997, 346, 361-372.	2.6	2
304	Development of a Room-Temperature Phosphorescence Fiber-Optic Sensor. Analytical Chemistry, 1996, 68, 1599-1604.	3.2	26
305	Endoscopic fluorescence detection of high-grade dysplasia in Barrett's esophagus. Gastroenterology, 1996, 111, 93-101.	0.6	269
306	Laser-Induced Solid-Surface Room-Temperature Phosphorimetry of Polycyclic Aromatic Hydrocarbons. Applied Spectroscopy, 1996, 50, 252-256.	1.2	13

#	Article	IF	Citations
307	Fiber-Optic Remote Multisensor System Based on an Acousto-Optic Tunable Filter (AOTF). Applied Spectroscopy, 1996, 50, 1295-1300.	1.2	6
308	Fiber optic sensor for laser-induced room-temperature phosphorescence detection of polycyclic aromatic compounds. Talanta, 1996, 43, 1805-1814.	2.9	31
309	Demonstration of an integrated capillary electrophoresisâ€"laser-induced fluorescence fiber-optic sensor. Talanta, 1996, 43, 1889-1901.	2.9	20
310	Surface-Enhanced Raman Detection of Nerve Agent Simulant (DMMP and DIMP) Vapor on Electrochemically Prepared Silver Oxide Substrates. Journal of Raman Spectroscopy, 1996, 27, 379-384.	1.2	79
311	Determination of Enhancement Factors for Surface-Enhanced FT-Raman Spectroscopy on Gold and Silver Surfaces. Journal of Raman Spectroscopy, 1996, 27, 887-891.	1.2	23
312	Analysis of Polycyclic Aromatic Compounds in Soil Samples Using Laser-Induced Phosphorimetry. Polycyclic Aromatic Compounds, 1996, 8, 117-128.	1.4	4
313	Antibody-Based Submicron Biosensor for Benzo[A]Pyrene DNA Adduct. Polycyclic Aromatic Compounds, 1996, 8, 45-52.	1.4	32
314	Laser-Excited Synchronous Fluorescence System for the Analysis of Polycyclic Aromatic Compounds. Polycyclic Aromatic Compounds, 1996, 9, 265-272.	1.4	3
315	Remote Spectral Imaging System (Rsis) Based on an Acousto-Optic Tunable Filter (Aotf). Instrumentation Science and Technology, 1996, 24, 179-193.	0.9	8
316	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.	0.5	0
317	In vivo cancer diagnosis of the esophagus using differential normalized fluorescence (DNF) indices. Lasers in Surgery and Medicine, 1995, 16, 41-47.	1.1	142
318	Analysis of polynuclear aromatic compounds using laser-excited synchronous fluorescence. Analytica Chimica Acta, 1995, 303, 247-253.	2.6	31
319	SERS chemical sensors and biosensors: new tools for environmental and biological analysis. Sensors and Actuators B: Chemical, 1995, 29, 183-189.	4.0	127
320	Nomenclature, symbols, units and their usage in spectrochemical analysis-XI. Detection of radiation (IUPAC Recommendations 1995). Pure and Applied Chemistry, 1995, 67, 1745-1760.	0.9	69
321	Identification of Polycyclic Aromatic Molecules in the UV Spectrum of Comet P/Halley. Polycyclic Aromatic Compounds, 1995, 5, 107-114.	1.4	1
322	Capillary Electrophoresis-Laser Fluorometry Instrumentation for the Facile Optimization of DNA Separations Using in Situ Size-Selective Gradients and Adjustable Detection Zone. Analytical Chemistry, 1995, 67, 680-683.	3.2	16
323	Selective surface-enhanced Raman spectroscopy using a polymer-coated substrate. Analytical Chemistry, 1995, 67, 3154-3159.	3.2	30
324	A Î²-cyclodextrin based fiber-optic chemical sensor: a fractal analysis. Talanta, 1995, 42, 1567-1574.	2.9	22

#	Article	IF	Citations
325	Fast Scanning Synchronous Luminescence Spectrometer Based on Acousto-Optic Tunable Filters. Applied Spectroscopy, 1995, 49, 1624-1631.	1.2	21
326	Spectroscopic diagnosis of esophageal cancer: New classification model, improved measurement system. Gastrointestinal Endoscopy, 1995, 41, 577-581.	0.5	111
327	Nomenclature, symbols, units, and their usage in spectrochemical analysis-XV. Laser-based molecular spectroscopy for chemical analysis - laser fundamentals (IUPAC Recommendations 1995). Pure and Applied Chemistry, 1995, 67, 1913-1928.	0.9	16
328	Vibrational spectral analysis of Eosin Y and Erythrosin B-intensity studies for quantitative detection of the dyes. Journal of Raman Spectroscopy, 1994, 25, 415-422.	1.2	35
329	Detection of cadmium ion using the fluorescence probe Indo-1. Analytica Chimica Acta, 1994, 295, 67-72.	2.6	11
330	Winefordner and molecular spectroscopy-The man and his legacy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1994, 49, 1225-1227.	1.5	0
331	Surface-Enhanced Raman Gene Probes. Analytical Chemistry, 1994, 66, 3379-3383.	3.2	226
332	Photoactivated Luminescence Method for Rapid Screening of Polychlorinated Biphenyls. Analytical Chemistry, 1994, 66, 1264-1268.	3.2	20
333	Subfemtomole Detection of Polycyclic Aromatic Compounds Using Room Temperature Phosphorescence with Charge-Coupled Device (RTP-CCD). Polycyclic Aromatic Compounds, 1994, 4, 71-86.	1.4	1
334	Gel-Based Indo-1 Probe for Monitoring Calcium(II) Ions. Analytical Chemistry, 1994, 66, 813-817.	3.2	4
335	Synchronous luminescence: a new detection technique for multiple fluorescent probes used for DNA sequencing. BioTechniques, 1994, 16, 1104-11.	0.8	8
336	Vibrational spectra of fluvalinate. Journal of Raman Spectroscopy, 1993, 24, 123-128.	1.2	7
337	Surface-enhanced Raman scattering analysis of etheno adducts of adenine. Vibrational Spectroscopy, 1993, 4, 359-364.	1.2	10
338	Permeation measurements of chemical agent simulants through protective clothing materials. Journal of Hazardous Materials, 1993, 33, 123-141.	6.5	17
339	Laser-Excited Synchronous Luminescence Spectroscopy. Applied Spectroscopy, 1993, 47, 430-435.	1.2	23
340	Surface-Enhanced Raman Vapor Dosimeter. Applied Spectroscopy, 1993, 47, 1728-1732.	1.2	21
341	Immunosensors: Principles and Applications. ImmunoMethods, 1993, 3, 85-92.	0.8	55
342	Surface-Enhanced Raman Analysis of some Polycyclic Aromatic Dyes used in the Cosmetics and Food Industries. Polycyclic Aromatic Compounds, 1993, 3, 137-146.	1.4	6

#	Article	IF	Citations
343	Polycyclic aromatic hydrocarbons in the atmospheres of Titan and Jupiter. Astrophysical Journal, 1993, 414, 399.	1.6	112
344	Screening Benzo(a)pyrene Metabolites in Urine Using Synchronous Room Temperature Phosphorescence. Polycyclic Aromatic Compounds, 1992, 3, 17-27.	1.4	3
345	Development of a Fluorescence Quenching Technique to Detect Permeation of Chemical Agent Simulants through Protective Clothing Materials. Applied Spectroscopy, 1992, 46, 677-681.	1.2	3
346	Improved Methods for Screening of Polychlorinated Biphenyls (PCBs) Using Room-Temperature Phosphorescence. Applied Spectroscopy, 1992, 46, 1235-1239.	1.2	12
347	Surface-Enhanced Raman Analysis of p-Nitroaniline on Vacuum Evaporation and Chemically Deposited Silver-Coated Alumina Substrates. Applied Spectroscopy, 1992, 46, 1354-1357.	1.2	27
348	Intensified Charge Coupled Device-Based Fiber-Optic Monitor for Rapid Remote Surface-Enhanced Raman Scattering Sensing. Applied Spectroscopy, 1992, 46, 1608-1612.	1.2	44
349	Currently available permeability and breakthrough data characterizing chemical warfare agents and their simulants in civilian protective clothing mater. Journal of Hazardous Materials, 1992, 30, 243-267.	6.5	13
350	DNA adduct formation by 12 chemicals with populations potentially suitable for molecular epidemiological studies. Mutation Research - Reviews in Genetic Toxicology, 1992, 277, 35-90.	3.0	21
351	Surface-enhanced Raman scattering interaction of p-aminobenzoic acid on a silver-coated alumina substrate. Spectrochimica Acta Part A: Molecular Spectroscopy, 1992, 48, 563-567.	0.1	16
352	Passive dosimeter for monitoring ammonia vapor. Analytica Chimica Acta, 1992, 263, 175-178.	2.6	8
353	Investigation of noncalcium interactions of fura-2 by classical and synchronous fluorescence spectroscopy. Analytical Biochemistry, 1992, 204, 231-238.	1.1	33
354	Normal Raman and surface-enhanced Raman scattering (SERS) spectra of some fungicides and related chemical compounds. Journal of Raman Spectroscopy, 1992, 23, 281-286.	1.2	27
355	Construction and evaluation of a regenerable fluoroimmunochemical-based fibre optic biosensor. Analyst, The, 1991, 116, 117.	1.7	21
356	A fiber-optic cyclodextrin-based sensor. Talanta, 1991, 38, 529-534.	2.9	40
357	Surface-enhanced Raman analysis of vitamin B complex: Quantitative detection of p-aminobenzoic acid. Journal of Raman Spectroscopy, 1991, 22, 327-331.	1.2	20
358	Evaluation of the fiber-optic antibody-based fluoroimmunosensor for DNA adducts in human placenta samples. Clinical Chemistry, 1991, 37, 532-5.	1.5	9
359	Fluorescence monitoring of a benzo[a]pyrene metabolite using a regenerable immunochemical-based fiber-optic sensor. Analytica Chimica Acta, 1990, 236, 237-244.	2.6	51
360	Evaluation of antibody immobilization technqiues for fiber optic-based fluoroimmunosensing. Analytica Chimica Acta, 1990, 229, 169-176.	2.6	43

#	Article	IF	Citations
361	Paper electrophoresis with surface-enhanced fluorimetric detection. Analytica Chimica Acta, 1990, 229, 295-297.	2.6	1
362	Room Temperature Phosphorescence Detection for Paper Electrophoresis (RTP-PE). Analytical Letters, 1990, 23, 941-952.	1.0	2
363	Correspondence. Direct Characterization of the Phtalic Acid Isomers in Mixtures Using Surface-Enhanced Raman Scattering. Analytical Chemistry, 1990, 62, 1350-1351.	3.2	0
364	Surface-Enhanced Raman Scattering Fiber-Optic Sensor. Applied Spectroscopy, 1990, 44, 63-69.	1.2	67
365	Phase-Resolved Fiber-Optics Fluoroimmunosensor. Applied Spectroscopy, 1990, 44, 128-132.	1.2	38
366	Charge-Coupled Device Fluorescence Detection for Capillary-Zone Electrophoresis (CCD-CZE). Applied Spectroscopy, 1990, 44, 755-765.	1.2	37
367	Novel Surface-Enhanced Fluorescence D Etection of Polynuclear Aromatic Hydrocarbons Separated by Paper Chromatography. Analytical Letters, 1989, 22, 2011-2019.	1.0	1
368	Studies of cyclodextrin-enhanced room-temperature phosphorescence. Analytica Chimica Acta, 1989, 217, 171-176.	2.6	24
369	Surface-active substrates for Raman and luminescence analysis. Talanta, 1989, 36, 227-234.	2.9	42
370	Silver-Coated Alumina as a New Medium for Surfaced-Enhanced Raman Scattering Analysis. Applied Spectroscopy, 1989, 43, 1325-1330.	1.2	89
371	Titanium Dioxide Based Substrate for Optical Monitors in Surface-Enhanced Raman Scattering Analysis. Analytical Chemistry, 1989, 61, 1779-1783.	3.2	92
372	Surface-enhanced Raman spectrometry of chlorinated pesticides. Analytica Chimica Acta, 1988, 206, 339-344.	2.6	40
373	Fluorescence detection of phototoxic psoralens in vegetable products. Journal of Agricultural and Food Chemistry, 1988, 36, 333-337.	2.4	12
374	Development of antibody-based fiber-optic sensors for detection of a benzo[a]pyrene metabolite. Analytical Chemistry, 1988, 60, 1901-1908.	3.2	48
375	Site-Selection Phosphorimetry via Singlet-State Excitation. Applied Spectroscopy, 1988, 42, 65-68.	1.2	4
376	Room-Temperature Phosphorimetry to Study Petroleum Product Permeation through Protective Clothing Materials. Applied Spectroscopy, 1988, 42, 285-288.	1.2	7
377	Fiber-Optic time-resolved fluorimetry for immunoassays. Talanta, 1988, 35, 139-144.	2.9	23
378	Recent advances in surface-enhanced Raman spectrometry for chemical analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1988, 43, 605-615.	1.5	51

#	Article	IF	Citations
379	Synchronous Fluorescence Measurement of BaP Metabolites in Human and Animal Urine. Analytical Letters, 1987, 20, 761-776.	1.0	13
380	Surface-enhanced Raman spectrometry of organo phosphorus chemical agents. Analytical Chemistry, 1987, 59, 2149-2153.	3.2	151
381	External heavy-atom effect in room-temperature phosphorescence. Analytical Chemistry, 1987, 59, 1644-1646.	3.2	15
382	Surface-Enhanced Raman Analysis of Benzo[A]Pyrene-DNA Adducts on Silver-Coated Cellulose Substrates. Applied Spectroscopy, 1987, 41, 605-610.	1.2	59
383	Antibody-Based Fiberoptics Biosensor for the Carcinogen Benzo(a)pyrene. Applied Spectroscopy, 1987, 41, 735-738.	1.2	147
384	Resonance Raman Analysis of Fluorescent Compounds Using Micellar Solutions and Ultraviolet Laser Excitation. Applied Spectroscopy, 1987, 41, 771-773.	1.2	4
385	Enhanced Room-Temperature Phosphorescence of Anthracene on Cyclodextrin-Treated Filter Paper. Applied Spectroscopy, 1987, 41, 963-966.	1.2	26
386	Investigation of Experimental Parameters for Surface-Enhanced Raman Scattering (SERS) Using Silver-Coated Microsphere Substrates. Applied Spectroscopy, 1987, 41, 966-970.	1.2	119
387	Laser-Induced Room-Temperature Phosphorescence Detection of Benzo[a]pyrene-DNA Adducts. Analytical Chemistry, 1987, 59, 1093-1096.	3.2	25
388	Fiber-optic chemical sensors for competitive binding fluoroimmunoassay. Analytical Chemistry, 1987, 59, 1226-1230.	3.2	134
389	Development of Luminescence Procedures to Evaluate Permeation of Multi-Ring Polyaromatic Compounds Through Protective Materials. AIHA Journal, 1987, 48, 400-405.	0.4	2
390	Direct synchronous luminescence detection of co-eluting solutes in pseudophase liquid chromatography. Journal of Chromatography A, 1987, 409, 147-154.	1.8	6
391	Evalution of an Improved Fiberoptics Luminescence Skin Monitor With Background Correction. AIHA Journal, 1987, 48, 594-598.	0.4	0
392	A Portable Fiberoptic Monitor for Fluorimetric Bioassays. Applied Spectroscopy, 1986, 40, 696-700.	1.2	34
393	Sensitized fluorescence spectrometry using solid organic substrate. Analytical Chemistry, 1986, 58, 1128-1133.	3.2	8
394	Detection of nitro-polynuclear aromatic compounds by surface-enhanced Raman spectrometry. Analytical Chemistry, 1986, 58, 1119-1123.	3.2	118
395	Synchronous Luminescence Screening for Polynuclear Aromatic Compounds in Environmental Samples Collected at a Coal Gasification Process Development Unit. AIHA Journal, 1986, 47, 379-385.	0.4	8
396	Fluorescence line-narrowing spectrometry of polycyclic compounds on filter paper substrates. Analytical Chemistry, 1986, 58, 3135-3139.	3.2	8

#	Article	IF	Citations
397	Surface-enhanced Raman spectrometry with silver particles on stochastic-post substrates. Analytica Chimica Acta, 1986, 181, 139-148.	2.6	80
398	Measurement by Room Temperature Phosphorescence of Polynuclear Aromatic Containing Hydrocarbon Fuels that Permeate Glove Materials. Radiation Protection Dosimetry, 1986, 17, 263-265.	0.4	0
399	Silver particles on stochastic quartz substrates providing tenfold increase in Raman enhancement. The Journal of Physical Chemistry, 1985, 89, 1843-1846.	2.9	83
400	Luminescence determination of benzoquinoline isomers in complex samples. Analytica Chimica Acta, 1985, 175, 181-188.	2.6	7
401	Detection of specific nitrogen-containing compounds by room-temperature phosphorescence. Analytical Chemistry, 1985, 57, 41-45.	3.2	14
402	Analysis of Pseudouridine by Fluorescence Spectrometry. Analytical Letters, 1985, 18, 1821-1833.	1.0	6
403	Development of a dosimeter for personnel exposure to vapors of polyaromatic pollutants. Environmental Science & Technology, 1985, 19, 997-1003.	4.6	23
404	Luminescence of 1,4-naphthoquinone and the vitamin K system in Shpolskii matrices at 4 K. Spectrochimica Acta Part A: Molecular Spectroscopy, 1984, 40, 411-418.	0.1	2
405	Surface-enhanced Raman spectrometry for trace organic analysis. Analytical Chemistry, 1984, 56, 1667-1670.	3.2	307
406	Field evaluation of a cost-effective screening procedure for polynuclear aromatic pollutants in ambient air samples. Environmental Science & Technology, 1984, 18, 477-482.	4.6	15
407	A ranking index to characterize polynuclear aromatic pollutants in environmental samples. Environment International, 1984, 10, 299-304.	4.8	2
408	Monitoring Exposure to Polynuclear Aromatic Compounds via Room Temperature Phosphorescence from Solid Substrates. Radiation Protection Dosimetry, 1983, 6, 137-140.	0.4	0
409	Synchronous Luminescence Spectroscopy: Methodology and Applicability. Applied Spectroscopy, 1982, 36, 576-581.	1.2	114
410	Analysis of a workplace air particulate sample by synchronous luminescence and room-temperature phosphorescence. Analytical Chemistry, 1981, 53, 253-258.	3.2	81
411	The lightpipe luminoscope for monitoring occupational skin contamination. AIHA Journal, 1981, 42, 112-120.	0.4	26
412	Direct determination of selected polynuclear aromatic hydrocarbons in a coal liquefaction product by synchronous luminescence techniques. Analytica Chimica Acta, 1981, 125, 13-19.	2.6	89
413	Luminescence monitoring of oil or tar contamination for industrial hygiene. Nuclear Instruments & Methods, 1980, 175, 236-238.	1.2	0
414	Identification and quantification of polynuclear aromatic compounds in synthoil by room-temperature phosphorimetry. Analytica Chimica Acta, 1980, 118, 313-323.	2.6	28

#	Article	IF	Citations
415	The applicability of the second-derivative method to room-temperature phosphorescence analysis. Analytica Chimica Acta, 1979, 107, 261-271.	2.6	47
416	Selective heavy-atom perturbation for analysis of complex mixtures by room-temperature phosphorimetry. Analytical Chemistry, 1979, 51, 1915-1921.	3.2	96
417	Synchronous spectroscopy for analysis of polynuclear aromatic compounds. Environmental Science & Technology, 1978, 12, 1297-1302.	4.6	60
418	Multicomponent analysis by synchronous luminescence spectrometry. Analytical Chemistry, 1978, 50, 396-401.	3.2	417
419	The sit image vidicon as a gas-phase fluorescence detector for gas chromatography. Analytica Chimica Acta, 1977, 89, 9-19.	2.6	23
420	A SIT image detector in analytical fluorescence spectrometry. Spectrochimica Acta Part A: Molecular Spectroscopy, 1977, 33, 341-345.	0.1	5
421	Heavy-atom effect on room temperature phosphorimetry. Analytical Chemistry, 1976, 48, 1186-1188.	3.2	99
422	Fluorescence studies of benzo-[a]-pyrene in liposome membrane systems. Biochemical and Biophysical Research Communications, 1976, 73, 187-192.	1.0	12