Tuan Vo-Dinh

List of Publications by Year
in descending order

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		6613	12272
422	22,056	79	133
papers	citations	h-index	g-index

432	432	432	17191
all docs	docs citations	times ranked	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.	3.7	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.	7.3	10
6	Plasmonic nanoplatforms: From surfaceâ€enhanced Raman scattering sensing to biomedical applications. Journal of Raman Spectroscopy, 2021, 52, 541-553.	2.5	21
7	Accurate in vivo tumor detection using plasmonic-enhanced shifted-excitation Raman difference spectroscopy (SERDS). Theranostics, 2021, 11, 4090-4102.	10.0	20
8	Plasmonic gold nanostars for synergistic photoimmunotherapy to treat cancer. Nanophotonics, 2021, 10, 3295-3302.	6.0	8
9	Flg22â€induced Ca²⁺ increases undergo desensitization and resensitization. Plant, Cell and Environment, 2021, 44, 3793-3805.	5.7	11
10	Plasmonic Gold Nanostar-Mediated Photothermal Immunotherapy. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	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.	6.7	6
16	Smartphone-Based Device for Colorimetric Detection of MicroRNA Biomarkers Using Nanoparticle-Based Assay. Sensors, 2021, 21, 8044.	3.8	12
17	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
18	Plasmonic assay for amplification-free cancer biomarkers detection in clinical tissue samples. Analytica Chimica Acta, 2020, 1139, 111-118.	5.4	10

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19	3D-printed phantoms for characterizing SERS nanoparticle detectability in turbid media. Analyst, The, 2020, 145, 6045-6053.	3.5	7
20	Plasmonic nanobiosensors for detection of microRNA cancer biomarkers in clinical samples. Analyst, The, 2020, 145, 4587-4594.	3.5	24
21	Direct SERDS sensing of molecular biomarkers in plants under field conditions. Analytical and Bioanalytical Chemistry, 2020, 412, 3457-3466.	3.7	6
22	Plasmonic Nanobiosensing: from in situ plant monitoring to cancer diagnostics at the point of care. JPhys Photonics, 2020, 2, 034012.	4.6	3
23	Plant cell-surface GIPC sphingolipids sense salt to trigger Ca2+ influx. Nature, 2019, 572, 341-346.	27.8	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.	2.6	13
25	Plasmonic Nanoprobes for in Vivo Multimodal Sensing and Bioimaging of MicroRNA within Plants. ACS Applied Materials & Interfaces, 2019, 11, 7743-7754.	8.0	42
26	SERS in Plain Sight: A Polarization Modulation Method for Signal Extraction. Analytical Chemistry, 2019, 91, 3319-3326.	6.5	7
27	Fiber-optrode SERS probes using plasmonic silver-coated gold nanostars. Sensors and Actuators B: Chemical, 2019, 287, 95-101.	7.8	57
28	Biodistribution and sensitive tracking of immune cells with plasmonic gold nanostars . International Journal of Nanomedicine, 2019, Volume 14, 3403-3411.	6.7	10
29	Inverse Molecular Sentinel-Integrated Fiberoptic Sensor for Direct and in Situ Detection of miRNA Targets. Analytical Chemistry, 2019, 91, 6345-6352.	6.5	31
30	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. International Journal of Radiation Oncology Biology Physics, 2019, 104, 291-301.	0.8	16
31	Non-invasive sensitive brain tumor detection using dual-modality bioimaging nanoprobe. Nanotechnology, 2019, 30, 275101.	2.6	21
32	Plasmonic gold nanostar-mediated photothermal immunotherapy for brain tumor ablation and immunologic memory. Immunotherapy, 2019, 11, 1293-1302.	2.0	55
33	Synthesis and functionalization of gold nanostars for singlet oxygen production. Journal of Industrial and Engineering Chemistry, 2019, 69, 233-240.	5.8	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

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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.	3.3	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.	3.5	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.	10.4	34
46	What potential does plasmonics-amplified synergistic immuno photothermal nanotherapy have for treatment of cancer?. Nanomedicine, 2018, 13, 139-144.	3.3	11
47	Spectroscopic Chemical Sensing and Imaging: From Plants to Animals and Humans. Chemosensors, 2018, 6, 11.	3.6	16
48	Tailoring the Coreâ€“Satellite Nanoassembly Architectures by Tuning Internanoparticle Electrostatic Interactions. Langmuir, 2018, 34, 14617-14623.	3.5	17
49	Gold nanoparticles-mediated photothermal therapy and immunotherapy. Immunotherapy, 2018, 10, 1175-1188.	2.0	162
50	Shiftedâ€excitation Raman difference spectroscopy for the detection of SERSâ€encoded gold nanostar probes. Journal of Raman Spectroscopy, 2018, 49, 1961-1967.	2.5	8
51	Rapid Nanophotonics Assay for Head and Neck Cancer Diagnosis. Scientific Reports, 2018, 8, 11410.	3.3	17
52	Inverse surfaceâ€enhanced spatially offset Raman spectroscopy (SESORS) through a monkey skull. Journal of Raman Spectroscopy, 2018, 49, 1452-1460.	2.5	18
53	Shining Gold Nanostars: From Cancer Diagnostics to Photothermal Treatment and Immunotherapy. Journal of Immunological Sciences, 2018, 2, 1-8.	1.1	26
54	Synergistic immuno photothermal nanotherapy (SYMPHONY) to treat unresectable and metastatic cancers and produce and cancer vaccine effect. , 2018, , .		0

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55	Endothelial Cell-Derived Extracellular Vesicles Mitigate Radiation-Induced Hematopoietic Injury. Blood, 2018, 132, 2581-2581.	1.4	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.	1.4	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.	2.7	11
63	Synergistic Immuno Photothermal Nanotherapy (SYMPHONY) for the Treatment of Unresectable and Metastatic Cancers. Scientific Reports, 2017, 7, 8606.	3.3	113
64	Photothermal ablation of inflammatory breast cancer tumor emboli using plasmonic gold nanostars. International Journal of Nanomedicine, 2017, Volume 12, 6259-6272.	6.7	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.	2.3	19

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73	Reversible Gating of Plasmonic Coupling for Optical Signal Amplification. ACS Applied Materials & Interfaces, 2016, 8, 18157-18164.	8.0	1
74	Multiplexed Detection of MicroRNA Biomarkers Using SERS-Based Inverse Molecular Sentinel (iMS) Nanoprobes. Journal of Physical Chemistry C, 2016, 120, 21047-21055.	3.1	109
75	Photothermal effects of plasmonic metal nanoparticles in a fluid. Journal of Applied Physics, 2016, 119, .	2.5	37
76	Tunable and amplified Raman gold nanoprobes for effective tracking (TARGET): in vivo sensing and imaging. Nanoscale, 2016, 8, 8486-8494.	5.6	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.	2.9	23
78	Improvement in Electrotransfection of Cells Using Carbon-Based Electrodes. Cellular and Molecular Bioengineering, 2016, 9, 538-545.	2.1	12
79	Folate Receptor-Targeted Theranostic Nanoconstruct for Surface-Enhanced Raman Scattering Imaging and Photodynamic Therapy. ACS Omega, 2016, 1, 730-735.	3.5	18
80	Tracking mesenchymal stromal cells using an ultraâ€bright TATâ€functionalized plasmonicâ€active nanoplatform. Journal of Biophotonics, 2016, 9, 406-413.	2.3	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.	10.1	111
82	Plasmonic SERS biosensing nanochips for DNA detection. Analytical and Bioanalytical Chemistry, 2016, 408, 1773-1781.	3.7	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.	10.0	254
85	Multifunctional gold nanostars for molecular imaging and cancer therapy. Frontiers in Chemistry, 2015, 3, 51.	3.6	56
86	Time-Resolved Synchronous Fluorescence for Biomedical Diagnosis. Sensors, 2015, 15, 21746-21759.	3.8	9
87	Plasmonics-based SERS nanobiosensor for homogeneous nucleic acid detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 811-814.	3.3	57
88	Plasmonic Gold Nanostars for Multi-Modality Sensing and Diagnostics. Sensors, 2015, 15, 3706-3720.	3.8	66
89	Multiplex DNA Biosensor for Viral Infection Diagnosis Using SERS Molecular Sentinel-on-Chip. IFMBE Proceedings, 2015, , 15-20.	0.3	0
90	Inherently Stealthy and Highly Tumor-Selective Gold Nanoraspberries for Photothermal Cancer Therapy. Scientific Reports, 2015, 5, 10311.	3.3	22

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91	Silver embedded nanostars for SERS with internal reference (SENSIR). Journal of Materials Chemistry C, 2015, 3, 7319-7324.	5.5	55
92	Fano resonance in a gold nanosphere with a J-aggregate coating. Physical Chemistry Chemical Physics, 2015, 17, 24931-24936.	2.8	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.	3.7	32
94	<scp>SERS</scp> Nanosensors and Nanoreporters: Golden Opportunities in Biomedical Applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 17-33.	6.1	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.	3.4	9
98	Multiplex detection of disease biomarkers using SERS molecular sentinel-on-chip. Analytical and Bioanalytical Chemistry, 2014, 406, 3335-3344.	3.7	46
99	Development of Hybrid Silver-Coated Gold Nanostars for Nonaggregated Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2014, 118, 3708-3715.	3.1	134
100	Direct analysis of traditional Chinese medicines using surfaceâ€enhanced raman scattering (SERS). Drug Testing and Analysis, 2014, 6, 1063-1068.	2.6	28
101	Plasmonics-enhanced and optically modulated delivery of gold nanostars into brain tumor. Nanoscale, 2014, 6, 4078-4082.	5.6	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.	3.5	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.	2.5	61
108	Quintuple-modality (SERS-MRI-CT-TPL-PTT) plasmonic nanoprobe for theranostics. Nanoscale, 2013, 5, 12126.	5.6	92

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109	Plasmonic nanoprobes: from chemical sensing to medical diagnostics and therapy. Nanoscale, 2013, 5, 10127.	5.6	134
110	Spectroscopic and vibrational analysis of the methoxypsoralen system: A comparative experimental and theoretical study. Journal of Molecular Structure, 2013, 1035, 13-18.	3.6	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.	2.5	128
112	Molecular sentinel-on-chip for SERS-based biosensing. Physical Chemistry Chemical Physics, 2013, 15, 6008.	2.8	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.	6.5	141
114	Cell-Penetrating Peptide Enhanced Intracellular Raman Imaging and Photodynamic Therapy. Molecular Pharmaceutics, 2013, 10, 2291-2298.	4.6	75
115	Label-Free DNA Biosensor Based on SERS Molecular Sentinel on Nanowave Chip. Analytical Chemistry, 2013, 85, 6378-6383.	6.5	135
116	Plasmonic nanoprobes for intracellular sensing and imaging. Analytical and Bioanalytical Chemistry, 2013, 405, 6165-6180.	3.7	56
117	Surface-enhanced Raman scattering molecular sentinel nanoprobes for viral infection diagnostics. Analytica Chimica Acta, 2013, 786, 153-158.	5.4	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.	3.4	7
120	Multicontrast nonlinear optical microscopy with a compact and rapid pulse shaper. Optics Letters, 2012, 37, 2763.	3.3	7
121	Imaging a spatially confined photoacoustic source defined by a distribution of plasmonic nanoparticles. Journal of Applied Physics, 2012, 111, 094305.	2.5	0
122	Introduction to the Issue on Biophotonicsâ€”Part 1. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1039-1041.	2.9	0
123	Guest Editorial Introduction to the Issue on Biophotonicsâ€”Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1267-1269.	2.9	0
124	Direct Optical Imaging of Graphene In Vitro by Nonlinear Femtosecond Laser Spectral Reshaping. Nano Letters, 2012, 12, 5936-5940.	9.1	29
125	In vivo particle tracking and photothermal ablation using plasmon-resonant gold nanostars. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1355-1363.	3.3	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.	3.1	51

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127	Plasmonic Nanowave Substrates for SERS: Fabrication and Numerical Analysis. Journal of Physical Chemistry C, 2012, 116, 7534-7545.	3.1	22
128	Gold nanostars: surfactant-free synthesis, 3D modelling, and two-photon photoluminescence imaging. Nanotechnology, 2012, 23, 075102.	2.6	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.	13.7	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.	3.7	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.	2.1	7
132	Design and Fabrication of Fiber-Optic Nanoprobes for Optical Sensing. Nanoscale Research Letters, 2011, 6, 18.	5.7	21
133	Activity of Psoralen-Functionalized Nanoscintillators against Cancer Cells upon X-ray Excitation. ACS Nano, 2011, 5, 4679-4687.	14.6	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.	3.5	208
135	Plasmonics Quenching and Enhancement of a Fluorescing Molecule Outside and Inside a Silver Metallic Nanoshell. IEEE Nanotechnology Magazine, 2011, 10, 1264-1274.	2.0	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.	3.4	98
138	Micro- and nanotopographies for photoelectrochemical energy conversion. II: Photoelectrocatalysis â€“ Classical and advanced systems. Electrochimica Acta, 2011, 56, 10726-10736.	5.2	21
139	Hybrid Topâ€Down and Bottomâ€Up Fabrication Approach for Waferâ€Scale Plasmonic Nanoplatforms. Small, 2011, 7, 727-731.	10.0	25
140	Plasmonic Coupling Interference (PCI) Nanoprobes for Nucleic Acid Detection. Small, 2011, 7, 3067-3074.	10.0	36
141	Singleâ€cell monitoring using fiberoptic nanosensors. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 79-85.	6.1	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.	3.3	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.	7.8	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.	2.6	51

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145	Deep UV nano-microstructuring of substrates for surface plasmon resonance imaging. Nanotechnology, 2011, 22, 165301.	2.6	30
146	Plasmonic nanoprobes for SERS biosensing and bioimaging. Journal of Biophotonics, 2010, 3, 89-102.	2.3	187
147	Photoelectrocatalysis: principles, nanoemitter applications and routes to bio-inspired systems. Energy and Environmental Science, 2010, 3, 748.	30.8	88
148	Plasmonics nanoprobes: detection of single-nucleotide polymorphisms in the breast cancer BRCA1 gene. Analytical and Bioanalytical Chemistry, 2010, 398, 729-736.	3.7	37
149	Investigation of Synchronous Fluorescence Method in Multicomponent Analysis in Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 927-940.	2.9	23
150	On the behaviour of Au plasmonic nanoparticles during hydrogen evolution at p-Si. Electrochemistry Communications, 2010, 12, 1298-1301.	4.7	13
151	Cellular Uptake and Photodynamic Activity of Protein Nanocages Containing Methylene Blue Photosensitizing Drug. Photochemistry and Photobiology, 2010, 86, 662-666.	2.5	51
152	Investigating the plasmonics of a dipole-excited silver nanoshell: Mie theory versus finite element method. Nanotechnology, 2010, 21, 315203.	2.6	54
153	Plasmonic Nanoparticles and Nanowires: Design, Fabrication and Application in Sensing. Journal of Physical Chemistry C, 2010, 114, 7480-7488.	3.1	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.	2.2	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.	2.2	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.	6.0	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.	4.7	30
158	A highly sensitive Raman method for selective cyanide detection based on evaporated cuprous iodide substrate. Analytical Methods, 2010, 2, 458.	2.7	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.	3.7	130
161	Fabrication of nanodot plasmonic waveguide structures using FIB milling and electron beamâ€induced deposition. Scanning, 2009, 31, 139-146.	1.5	34
162	Demonstration of Surface-Enhanced Raman Scattering by Tunable, Plasmonic Gallium Nanoparticles. Journal of the American Chemical Society, 2009, 131, 12032-12033.	13.7	81

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163	Comparison of FDTD numerical computations and analytical multipole expansion method for plasmonics-active nanosphere dimers. Optics Express, 2009, 17, 9688.	3.4	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.	2.6	121
166	Plasmonics of 3-D Nanoshell Dimers Using Multipole Expansion and Finite Element Method. ACS Nano, 2009, 3, 2776-2788.	14.6	100
167	Applications of fiber-optics-based nanosensors to drug discovery. Expert Opinion on Drug Discovery, 2009, 4, 889-900.	5.0	15
168	FIB/SEM Fabrication of Nanostructures for Plasmonic Sensors and Waveguides. Microscopy and Microanalysis, 2009, 15, 354-355.	0.4	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.	3.0	26
170	Intensified biochip system using chemiluminescence for the detection of Bacillus globigii spores. Analytical and Bioanalytical Chemistry, 2008, 391, 1655-1660.	3.7	11
171	Focus on bioanalysis. Analytical and Bioanalytical Chemistry, 2008, 391, 1483-1484.	3.7	0
172	Nanosensing at the single cell level. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 95-103.	2.9	40
173	Nanobiosensing Using Plasmonic Nanoprobes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 198-205.	2.9	31
174	Gold Nanostars For Surface-Enhanced Raman Scattering: Synthesis, Characterization and Optimization. Journal of Physical Chemistry C, 2008, 112, 18849-18859.	3.1	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.	1.5	24
176	Apoferritin protein cages: a novel drug nanocarrier for photodynamic therapy. Chemical Communications, 2008, , 4579.	4.1	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.	1.0	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

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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.	1.1	5
184	Plasmon Resonances of Nanoshells of Spheroidal Shape. IEEE Nanotechnology Magazine, 2007, 6, 627-638.	2.0	20
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