Clement Yuen

List of Publications by Year
in descending order

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42 papers	1,323 citations	361045 20 h-index	433756 31 g-index
43 all docs	43 docs citations	43 times ranked	1564 citing authors

#	Article	IF	Citations
1	Laser-Induced Surface Acoustic Wave Sensing-Based Malaria Parasite Detection and Analysis. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	2.4	12
2	Cell Membrane-Coated Electrospun Fibers Enhance Keratinocyte Growth through Cell-Type Specific Interactions. ACS Applied Bio Materials, 2021, 4, 4079-4083.	2.3	5
3	A Modified Least-Squares Method for Quantitative Analysis in Raman Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	1.9	2
4	Towards malaria field diagnosis based on surface-enhanced Raman scattering with on-chip sample preparation and near-analyte nanoparticle synthesis. Sensors and Actuators B: Chemical, 2021, 343, 130162.	4.0	1
5	Surface enhanced Raman spectroscopy for malaria diagnosis and intradermal measurements. , 2018, , .		0
6	Towards ultrasensitive malaria diagnosis using surface enhanced Raman spectroscopy. Scientific Reports, 2016, 6, 20177.	1.6	48
7	Towards field malaria diagnosis using surface enhanced Raman spectroscopy. , 2016, , .		1
8	Investigation of surface enhanced Raman spectroscopy for hemozoin detection in malaria diagnosis. , 2016, , .		1
9	Hollow agarose microneedle with silver coating for intradermal surface-enhanced Raman measurements: a skin-mimicking phantom study. Journal of Biomedical Optics, 2015, 20, 061102.	1.4	23
10	Recovery of Raman spectra with low signal-to-noise ratio using Wiener estimation. Optics Express, 2014, 22, 12102.	1.7	66
11	Towards in vivo intradermal surface enhanced Raman scattering (SERS) measurements: silver coated microneedle based SERS probe. Journal of Biophotonics, 2014, 7, 683-689.	1.1	36
12	Investigation of magnetic field enriched surface enhanced resonance Raman scattering performance using Fe₃O₄@Ag nanoparticles for malaria diagnosis. Proceedings of SPIE, 2014, , .	0.8	0
13	Optimization of Fe3O4@Ag nanoshells in magnetic field-enriched surface-enhanced resonance Raman scattering for malaria diagnosis. Analyst, The, 2013, 138, 6494-6500.	1.7	32
14	Ag coated microneedle based surface enhanced Raman scattering probe for intradermal measurements. , 2013, , .		1
15	A magnetic-field enriched surface-enhanced resonance Raman spectroscopy strategy towards the early diagnosis of malaria. Proceedings of SPIE, 2012, , .	0.8	0
16	Magnetic field enriched surface enhanced resonance Raman spectroscopy for early malaria diagnosis. Journal of Biomedical Optics, 2012, 17, 017005.	1.4	68
17	Effect of magnetic field in malaria diagnosis using magnetic nanoparticles. , 2011, , .		2
18	Optimization of extinction efficiency of goldâ€coated polystyrene bead substrates improves surfaceâ€enhanced Raman scattering effects by postâ€growth microwave heating treatment. Journal of Raman Spectroscopy, 2010, 41, 374-380.	1.2	7

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19	Low-level detection of anti-cancer drug in blood plasma using microwave-treated gold-polystyrene beads as surface-enhanced Raman scattering substrates. Biosensors and Bioelectronics, 2010, 26, 580-584.	5.3	53
20	Malaria diagnosis using magnetic nanoparticles. , 2010, , .		0
21	SURFACE-ENHANCED RAMAN SCATTERING: PRINCIPLES, NANOSTRUCTURES, FABRICATIONS, AND BIOMEDICAL APPLICATIONS. Journal of Innovative Optical Health Sciences, 2008, 01, 267-284.	0.5	25
22	Improving surface-enhanced Raman scattering effect using gold-coated hierarchical polystyrene bead substrates modified with postgrowth microwave treatment. Journal of Biomedical Optics, 2008, 13, 064040.	1.4	17
23	A specially modified surface-enhanced Raman spectroscopy (SERS) substrate for biomedical applications. Proceedings of SPIE, 2008, , .	0.8	0
24	Saliva analysis using surface-enhanced Raman spectroscopy technique. , 2007, , .		2
25	Room temperature deposition of p-type arsenic doped ZnO polycrystalline films by laser-assist filtered cathodic vacuum arc technique. Journal of Applied Physics, 2007, 101, 094905.	1.1	25
26	Influence of Surface Roughness on the Lasing Performance of Highly Disordered ZnO Films. IEEE Photonics Technology Letters, 2006, 18, 2380-2382.	1.3	11
27	‹title›Fabrication and laser action of nanostructural ZnO‹/title›. , 2006, , .		0
28	Design and fabrication of ZnO light-emitting devices using filtered cathodic vacuum arc technique. Journal of Crystal Growth, 2006, 287, 204-212.	0.7	37
29	Fabrication of n-ZnO:Alâˆ•p-SiC(4H) heterojunction light-emitting diodes by filtered cathodic vacuum arc technique. Applied Physics Letters, 2005, 86, 241111.	1.5	97
30	Flexible Ultraviolet Random Lasers Based on Nanoparticles. Small, 2005, 1, 956-959.	5.2	46
31	Strain dependence of lasing mechanisms in ZnO epilayers. Applied Physics Letters, 2005, 86, 261111.	1.5	39
32	Formation conditions of random laser cavities in annealed ZnO epilayers. IEEE Journal of Quantum Electronics, 2005, 41, 970-973.	1.0	13
33	Low-loss and directional output ZnO thin-film ridge waveguide random lasers with MgO capped layer. Applied Physics Letters, 2005, 86, 031112.	1.5	45
34	Ultraviolet amplified spontaneous emission from self-organized network of zinc oxide nanofibers. Applied Physics Letters, 2005, 86, 011118.	1.5	65
35	Random laser action in ZnO nanorod arrays embedded in ZnO epilayers. Applied Physics Letters, 2004, 84, 3241-3243.	1.5	210
36	Ultraviolet Lasing Phenomenon of Zinc Oxide Hexagonal Microtubes. Japanese Journal of Applied Physics, 2004, 43, 5273-5278.	0.8	11

#	Article	IF	Citations
37	Zinc oxide thin-film random lasers on silicon substrate. Applied Physics Letters, 2004, 84, 3244-3246.	1.5	133
38	Design and Fabrication of Zinc Oxide Thin-Film Ridge Waveguides on Silicon Substrate With Ultraviolet Amplified Spontaneous Emission. IEEE Journal of Quantum Electronics, 2004, 40, 406-412.	1.0	7
39	‹title›Formation of random laser action in ZnO thin films‹/title›. , 2004, 5774, 488.		0
40	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. Chemical Physics Letters, 2003, 377, 329-332.	1.2	39
41	Ultraviolet amplified spontaneous emission from zinc oxide ridge waveguides on silicon substrate. Applied Physics Letters, 2003, 83, 4288-4290.	1.5	56
42	Room-Temperature Ultraviolet Lasing from Zinc Oxide Microtubes. Japanese Journal of Applied Physics, 2003, 42, L1229-L1231.	0.8	86