

# 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	Random laser action in ZnO nanorod arrays embedded in ZnO epilayers. Applied Physics Letters, 2004, 84, 3241-3243.	1.5	210
2	Zinc oxide thin-film random lasers on silicon substrate. Applied Physics Letters, 2004, 84, 3244-3246.	1.5	133
3	Fabrication of n-ZnO:Al <sup>+</sup> p-SiC(4H) heterojunction light-emitting diodes by filtered cathodic vacuum arc technique. Applied Physics Letters, 2005, 86, 241111.	1.5	97
4	Room-Temperature Ultraviolet Lasing from Zinc Oxide Microtubes. Japanese Journal of Applied Physics, 2003, 42, L1229-L1231.	0.8	86
5	Magnetic field enriched surface enhanced resonance Raman spectroscopy for early malaria diagnosis. Journal of Biomedical Optics, 2012, 17, 017005.	1.4	68
6	Recovery of Raman spectra with low signal-to-noise ratio using Wiener estimation. Optics Express, 2014, 22, 12102.	1.7	66
7	Ultraviolet amplified spontaneous emission from self-organized network of zinc oxide nanofibers. Applied Physics Letters, 2005, 86, 011118.	1.5	65
8	Ultraviolet amplified spontaneous emission from zinc oxide ridge waveguides on silicon substrate. Applied Physics Letters, 2003, 83, 4288-4290.	1.5	56
9	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
10	Towards ultrasensitive malaria diagnosis using surface enhanced Raman spectroscopy. Scientific Reports, 2016, 6, 20177.	1.6	48
11	Flexible Ultraviolet Random Lasers Based on Nanoparticles. Small, 2005, 1, 956-959.	5.2	46
12	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
13	Ultraviolet lasing of ZnO whiskers prepared by catalyst-free thermal evaporation. Chemical Physics Letters, 2003, 377, 329-332.	1.2	39
14	Strain dependence of lasing mechanisms in ZnO epilayers. Applied Physics Letters, 2005, 86, 261111.	1.5	39
15	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
16	Towards <i>in vivo</i> intradermal surface enhanced Raman scattering (SERS) measurements: silver coated microneedle based SERS probe. Journal of Biophotonics, 2014, 7, 683-689.	1.1	36
17	Optimization of Fe <sub>3</sub> O <sub>4</sub> @Ag nanoshells in magnetic field-enriched surface-enhanced resonance Raman scattering for malaria diagnosis. Analyst, The, 2013, 138, 6494-6500.	1.7	32
18	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

#	ARTICLE	IF	CITATIONS
19	SURFACE-ENHANCED RAMAN SCATTERING: PRINCIPLES, NANOSTRUCTURES, FABRICATIONS, AND BIOMEDICAL APPLICATIONS. Journal of Innovative Optical Health Sciences, 2008, 01, 267-284.	0.5	25
20	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
21	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
22	Formation conditions of random laser cavities in annealed ZnO epilayers. IEEE Journal of Quantum Electronics, 2005, 41, 970-973.	1.0	13
23	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
24	Ultraviolet Lasing Phenomenon of Zinc Oxide Hexagonal Microtubes. Japanese Journal of Applied Physics, 2004, 43, 5273-5278.	0.8	11
25	Influence of Surface Roughness on the Lasing Performance of Highly Disordered ZnO Films. IEEE Photonics Technology Letters, 2006, 18, 2380-2382.	1.3	11
26	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
27	Optimization of extinction efficiency of gold-coated polystyrene bead substrates improves surface-enhanced Raman scattering effects by post-growth microwave heating treatment. Journal of Raman Spectroscopy, 2010, 41, 374-380.	1.2	7
28	Cell Membrane-Coated Electrospun Fibers Enhance Keratinocyte Growth through Cell-Type Specific Interactions. ACS Applied Bio Materials, 2021, 4, 4079-4083.	2.3	5
29	Saliva analysis using surface-enhanced Raman spectroscopy technique. , 2007, , .		2
30	Effect of magnetic field in malaria diagnosis using magnetic nanoparticles. , 2011, , .		2
31	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
32	Ag coated microneedle based surface enhanced Raman scattering probe for intradermal measurements. , 2013, , .		1
33	Towards field malaria diagnosis using surface enhanced Raman spectroscopy. , 2016, , .		1
34	Investigation of surface enhanced Raman spectroscopy for hemozoin detection in malaria diagnosis. , 2016, , .		1
35	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
36	<title>Formation of random laser action in ZnO thin films</title>. , 2004, 5774, 488.		0

#	ARTICLE	IF	CITATIONS
37	<title>Fabrication and laser action of nanostructural ZnO</title>. , 2006, , .		0
38	A specially modified surface-enhanced Raman spectroscopy (SERS) substrate for biomedical applications. Proceedings of SPIE, 2008, , .	0.8	0
39	Malaria diagnosis using magnetic nanoparticles. , 2010, , .		0
40	A magnetic-field enriched surface-enhanced resonance Raman spectroscopy strategy towards the early diagnosis of malaria. Proceedings of SPIE, 2012, , .	0.8	0
41	Investigation of magnetic field enriched surface enhanced resonance Raman scattering performance using Fe <sub>3</sub> O <sub>4</sub> @Ag nanoparticles for malaria diagnosis. Proceedings of SPIE, 2014, , .	0.8	0
42	Surface enhanced Raman spectroscopy for malaria diagnosis and intradermal measurements. , 2018, , .		0