

Kavintheran Thambiratnam

List of Publications by Year in descending order

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74
papers

960
citations

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74
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Q-switched ytterbium-doped fibre laser with Nickel Oxide saturable absorber. Indian Journal of Physics, 2021, 95, 361-366.	1.8	1
2	Generation of four-wave mixing in molybdenum ditelluride (MoTe ₂)-deposited side-polished fibre. Journal of Modern Optics, 2021, 68, 425-432.	1.3	7
3	Niobium carbide (Nb ₂ C) MXene as a saturable absorber to assist in the generation of a wavelength tunable passively Q-switched fiber laser. Laser Physics Letters, 2021, 18, 065101.	1.4	8
4	1.5 and 2.0 Åµm all-optical modulators based on niobium-carbide (Nb ₂ C)-PVA film. Laser Physics Letters, 2021, 18, 085103.	1.4	1
5	Frequency switching multiwavelength Brillouin Raman fibre laser based on feedback power adjustment technique. Journal of Modern Optics, 2020, 67, 951-957.	1.3	6
6	Passively Q-switched thulium fluoride fiber laser operating in S-band region using N-doped graphene saturable absorber. Indian Journal of Physics, 2020, 95, 1837.	1.8	2
7	GeSe Evanescent Field Saturable Absorber for Mode-Locking in a Thulium/Holmium Fiber Laser. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	13
8	Tunable passively Q-switched thulium doped fluoride fibre (TDFF) laser using reduced graphene oxide-silver (rGO-Ag) as saturable absorber. Journal of Modern Optics, 2020, 67, 1022-1030.	1.3	5
9	Passively Q-switched S+/S band fiber laser with copper telluride saturable absorber. Laser Physics Letters, 2020, 17, 095102.	1.4	8
10	Dual characteristics of molybdenum disulfide based PN heterojunction photodetector prepared via drop-cast technique. Optik, 2019, 188, 8-11.	2.9	2
11	Fabrication and characterization of tungsten disulphide/silicon heterojunction photodetector for near infrared illumination. Optik, 2019, 185, 819-826.	2.9	10
12	Depressed cladding erbium-doped fiber laser passively mode-locked with carbon nanotube saturable absorber. Laser Physics Letters, 2019, 16, 045102.	1.4	2
13	Q-switched erbium-doped fiber laser with molybdenum disulfide (MoS ₂) nanoparticles on D-shaped fiber as saturable absorber. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950026.	1.8	4
14	Low-cost SWIR Silicon-based Graphene Oxide Photodetector. , 2019, , .		0
15	Compact L-band switchable dual wavelength SOA based on linear cavity fiber laser. Optik, 2019, 182, 37-41.	2.9	7
16	Widely Tunable Dual-Wavelength Thulium-doped fiber laser Operating in 1.8-2.0 mm Region. Optik, 2019, 179, 76-81.	2.9	7
17	Tunable Q-switched erbium-doped fiber laser in the C-band region using nanoparticles (TiO ₂). Optics Communications, 2019, 435, 283-288.	2.1	26
18	Tungsten-disulphide-based heterojunction photodetector. Applied Optics, 2019, 58, 4014.	1.8	10

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19	Mixed Transition Metal Dichalcogenide as Saturable Absorber in Ytterbium, Praseodymium, and Erbium Fiber Laser. IEEE Journal of Quantum Electronics, 2018, 54, 1-9.	1.9	15
20	Poly (N-vinyl Carbazole) – Polypyrrole/graphene oxide nanocomposite material on tapered fiber for Q-switched pulse generation. Optics and Laser Technology, 2018, 99, 184-190.	4.6	1
21	Enhancing Temperature Sensitivity Using Cyclic Polybutylene Terephthalate- (c-PBT-) Coated Fiber Bragg Grating. Journal of Sensors, 2018, 2018, 1-6.	1.1	6
22	70-nm, broadly tunable passively Q-switched thulium-doped fiber laser with few-layer MoS ₂ saturable absorber. Optical Fiber Technology, 2018, 46, 230-237.	2.7	7
23	Hydrothermally synthesized zinc oxide nanoparticle based photodetector for blue spectrum detection. Optik, 2018, 172, 35-42.	2.9	9
24	Passive mode-locking in erbium-doped fibre laser based on BN-GO saturable absorber. Journal of Modern Optics, 2018, 65, 2339-2349.	1.3	5
25	Highly stable mode-locked fiber laser with graphene oxide-coated side-polished D-shaped fiber saturable absorber. Optical Engineering, 2018, 57, 1.	1.0	6
26	Tunable 2.0- μ m Q-switched fiber laser using a silver nanoparticle based saturable absorber. Laser Physics, 2017, 27, 065110.	1.2	16
27	Characterization of arc-shaped side-polished fiber. Optical and Quantum Electronics, 2017, 49, 1.	3.3	12
28	Poly (N-vinylcarbazole)-polypyrrole/graphene oxide nanocomposites based microfiber interferometer for high stability temperature sensor. Sensors and Actuators A: Physical, 2017, 263, 44-53.	4.1	5
29	PERFORMANCE ANALYSIS OF COPPER TIN SULFIDE, Cu ₂ SnS ₃ (CTS) WITH VARIOUS BUFFER LAYERS BY USING SCAPS IN SOLAR CELLS. Surface Review and Letters, 2017, 24, 1750073.	1.1	5
30	S-band Q-switched fiber laser using MoSe ₂ saturable absorber. Optics Communications, 2017, 382, 93-98.	2.1	51
31	Passively Q-switched O-band praseodymium doped fluoride fibre laser with PVA/graphene based SA. Electronics Letters, 2017, 53, 1481-1483.	1.0	5
32	A black phosphorus-based tunable Q-switched ytterbium fiber laser. Laser Physics Letters, 2016, 13, 095103.	1.4	36
33	Q-Switching and Mode-Locking in Highly Doped ZrO ₂ -Al ₂ O ₃ -Er ₂ O ₃ -Doped Fiber Lasers Using Graphene as a Saturable Absorber. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 9-16.	2.9	5
34	Mode-locked L-band bismuth-erbium fiber laser using carbon nanotubes. Applied Physics B: Lasers and Optics, 2014, 115, 407-412.	2.2	22
35	Single-longitudinal-mode operation in tunable novel zirconia-yttria-alumina-erbium-doped fiber laser. Laser Physics, 2014, 24, 085106.	1.2	3
36	Dual-Wavelength Fiber Lasers for the Optical Generation of Microwave and Terahertz Radiation. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 166-173.	2.9	28

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37	Q-switched Zr-EDF laser using single-walled CNT/PEO polymer composite as a saturable absorber. Optical Materials, 2013, 35, 347-352.	3.6	7
38	Highly stable graphene-assisted tunable dual-wavelength erbium-doped fiber laser. Applied Optics, 2013, 52, 818.	1.8	13
39	Quantification of Mesenchymal Stem Cell Growth Rates through Secretary and Excretory Biomolecules in Conditioned Media via Fresnel Reflection. Sensors, 2013, 13, 13276-13288.	3.8	2
40	2.0- μm Q-Switched Thulium-Doped Fiber Laser With Graphene Oxide Saturable Absorber. IEEE Photonics Journal, 2013, 5, 1501108-1501108.	2.0	59
41	Four-wave mixing in zirconia-erbium doped fiber – a comparison between ring and linear cavities. Laser Physics Letters, 2012, 9, 819-825.	1.4	5
42	Optical non-contact micrometer thickness measurement system for silica thick films. , 2012, , .		1
43	Fabrication and application of zirconia-erbium doped fibers. Optical Materials Express, 2012, 2, 1690.	3.0	15
44	Fiber optic displacement sensor for micro-thickness measurement. Sensor Review, 2012, 32, 230-235.	1.8	7
45	Wide-band fanned-out supercontinuum source covering O-, E-, S-, C-, L- and U-bands. Optics and Laser Technology, 2012, 44, 2168-2174.	4.6	3
46	Stable zirconia-erbium doped multiwavelength fiber laser by precise control of polarization states. Laser Physics, 2012, 22, 982-985.	1.2	3
47	Supercontinuum from Zr-EDF using Zr-EDF mode-locked fiber laser. Laser Physics Letters, 2012, 9, 44-49.	1.4	15
48	A two-level partial least squares system for non-invasive blood glucose concentration prediction. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 347-351.	3.5	22
49	Vocabulary and language model adaptation using just one speech file. , 2010, , .		10
50	Unsupervised speaker adaptation for telephone call transcription. , 2009, , .		7
51	Design and Operation of a Concentric-Fiber Displacement Sensor. Fiber and Integrated Optics, 2009, 28, 301-309.	2.5	8
52	Multiwavelength source based on SOA and EDFA in a ring-cavity resonator. Microwave and Optical Technology Letters, 2009, 51, 110-113.	1.4	6
53	High power and compact switchable bismuth based multiwavelength fiber laser. Laser Physics Letters, 2009, 6, 380-383.	1.4	58
54	Switchable semiconductor optical fiber laser incorporating AWG and broadband FBG with high SMSR. Laser Physics Letters, 2009, 6, 539-543.	1.4	17

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55	17-channels S band multiwavelength Brillouin/Erbium Fiber Laser co-pump with Raman source. Laser Physics, 2009, 19, 2188-2193.	1.2	21
56	Dual wavelength fibre laser with tunable channel spacing using an SOA and dual AWGs. Journal of Modern Optics, 2009, 56, 1768-1773.	1.3	6
57	High Sensitivity Fiber Bragg Grating Pressure Sensor Using Thin Metal Diaphragm. IEEE Sensors Journal, 2009, 9, 1654-1659.	4.7	39
58	SOA based fiber ring laser with Fiber Bragg Grating. Microwave and Optical Technology Letters, 2008, 50, 3101-3103.	1.4	4
59	A linear cavity Brillouin fiber laser with multiple wavelengths output. Laser Physics Letters, 2008, 5, 361-363.	1.4	70
60	SOA-based quad-wavelength ring laser. Laser Physics Letters, 2008, 5, 726-729.	1.4	61
61	High-power single-wavelength SOA-based fiber-ring laser with an optical modulator. Laser Physics, 2008, 18, 1349-1352.	1.2	9
62	Self-Calibrating Automated Characterization System for Depressed Cladding EDFA Applications Using LabVIEW Software With GPIB. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2677-2681.	4.7	12
63	Bidirectional multiwavelength Brillouin fiber laser generation in a ring cavity. Journal of Optics, 2008, 10, 055101.	1.5	37
64	Bismuth-based Brillouin/erbium fiber laser. Journal of Modern Optics, 2008, 55, 1345-1351.	1.3	14
65	Effects of different Raman pumping schemes on stimulated Brillouin scattering in a linear cavity. Applied Optics, 2008, 47, 3088.	2.1	13
66	SOA-based multi-wavelength source. Journal of Modern Optics, 2008, 55, 2179-2185.	1.3	2
67	New Brillouin fiber laser configuration with high output power. Microwave and Optical Technology Letters, 2007, 49, 2656-2658.	1.4	9
68	DISCRIMINATIVELY TRAINED SPOKEN DOCUMENT SIMILARITY MODELS AND THEIR APPLICATION TO PROBABILISTIC LATENT SEMANTIC ANALYSIS. , 2006, , .		2
69	Dynamic Match Phone-Lattice Searches For Very Fast And Accurate Unrestricted Vocabulary Keyword Spotting. , 0, , .		30
70	Four-Wave-Mixing in Zirconia-Yttria-Aluminum Erbium Codoped Silica Fiber. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	7
71	Learning spoken document similarity and recommendation using supervised probabilistic latent semantic analysis. , 0, , .		0
72	Online vocabulary adaptation using limited adaptation data. , 0, , .		4

#	ARTICLE	IF	CITATIONS
73	Fragmented context-dependent syllable acoustic models. , 0, , .		5
74	Unsupervised lattice-based acoustic model adaptation for speaker-dependent conversational telephone speech transcription. , 0, , .		1