Kavintheran Thambiratnam

List of Publications by Year
in descending order

74 papers	960 citations	567281 15 h-index	526287 27 g-index
74 all docs	74 docs citations	74 times ranked	670 citing authors

#	Article	IF	Citations
1	A linear cavity Brillouin fiber laser with multiple wavelengths output. Laser Physics Letters, 2008, 5, 361-363.	1.4	70
2	SOA-based quad-wavelength ring laser. Laser Physics Letters, 2008, 5, 726-729.	1.4	61
3	2.0-$muhbox{m}$ Q-Switched Thulium-Doped Fiber Laser With Graphene Oxide Saturable Absorber. IEEE Photonics Journal, 2013, 5, 1501108-1501108.	2.0	59
4	High power and compact switchable bismuth based multiwavelength fiber laser. Laser Physics Letters, 2009, 6, 380-383.	1.4	58
5	S-band Q-switched fiber laser using MoSe 2 saturable absorber. Optics Communications, 2017, 382, 93-98.	2.1	51
6	High Sensitivity Fiber Bragg Grating Pressure Sensor Using Thin Metal Diaphragm. IEEE Sensors Journal, 2009, 9, 1654-1659.	4.7	39
7	Bidirectional multiwavelength Brillouin fiber laser generation in a ring cavity. Journal of Optics, 2008, 10, 055101.	1.5	37
8	A black phosphorus-based tunable Q-switched ytterbium fiber laser. Laser Physics Letters, 2016, 13, 095103.	1.4	36
9	Dynamic Match Phone-Lattice Searches For Very Fast And Accurate Unrestricted Vocabulary Keyword Spotting. , 0, , .		30
10	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
11	Tunable Q-switched erbium-doped fiber laser in the C-band region using nanoparticles (TiO2). Optics Communications, 2019, 435, 283-288.	2.1	26
12	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
13	Mode-locked L-band bismuthâ€“erbium fiber laser using carbon nanotubes. Applied Physics B: Lasers and Optics, 2014, 115, 407-412.	2.2	22
14	17-channels S band multiwavelength Brillouin/Erbium Fiber Laser co-pump with Raman source. Laser Physics, 2009, 19, 2188-2193.	1.2	21
15	Switchable semiconductor optical fiber laser incorporating AWG and broadband FBG with high SMSR. Laser Physics Letters, 2009, 6, 539-543.	1.4	17
16	Tunable 2.0Âµm Q-switched fiber laser using a silver nanoparticle based saturable absorber. Laser Physics, 2017, 27, 065110.	1.2	16
17	Fabrication and application of zirconia-erbium doped fibers. Optical Materials Express, 2012, 2, 1690.	3.0	15
18	Supercontinuum from Zr-EDF using Zr-EDF mode-locked fiber laser. Laser Physics Letters, 2012, 9, 44-49.	1.4	15

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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	Bismuth-based Brillouin/erbium fiber laser. Journal of Modern Optics, 2008, 55, 1345-1351.	1.3	14
21	Effects of different Raman pumping schemes on stimulated Brillouin scattering in a linear cavity. Applied Optics, 2008, 47, 3088.	2.1	13
22	Highly stable graphene-assisted tunable dual-wavelength erbium-doped fiber laser. Applied Optics, 2013, 52, 818.	1.8	13
23	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
24	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
25	Characterization of arc-shaped side-polished fiber. Optical and Quantum Electronics, 2017, 49, 1.	3.3	12
26	Vocabulary and language model adaptation using just one speech file. , 2010, , .		10
27	Fabrication and characterization of tungsten disulphide/silicon heterojunction photodetector for near infrared illumination. Optik, 2019, 185, 819-826.	2.9	10
28	Tungsten-disulphide-based heterojunction photodetector. Applied Optics, 2019, 58, 4014.	1.8	10
29	New Brillouin fiber laser configuration with high output power. Microwave and Optical Technology Letters, 2007, 49, 2656-2658.	1.4	9
30	High-power single-wavelength SOA-based fiber-ring laser with an optical modulator. Laser Physics, 2008, 18, 1349-1352.	1.2	9
31	Hydrothermally synthesized zinc oxide nanoparticle based photodetector for blue spectrum detection. Optik, 2018, 172, 35-42.	2.9	9
32	Design and Operation of a Concentric-Fiber Displacement Sensor. Fiber and Integrated Optics, 2009, 28, 301-309.	2.5	8
33	Niobium carbide (Nb₂C) 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
34	Passively Q-switched S+/S band fiber laser with copper telluride saturable absorber. Laser Physics Letters, 2020, 17, 095102.	1.4	8
35	Unsupervised speaker adaptation for telephone call transcription. , 2009, , .		7
36	Fiber optic displacement sensor for microâ€thickness measurement. Sensor Review, 2012, 32, 230-235.	1.8	7

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37	Four-Wave-Mixing in Zirconia-Yttria-Aluminum Erbium Codoped Silica Fiber. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	7
38	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
39	70â€¯nm, broadly tunable passively Q-switched thulium-doped fiber laser with few-layer Mo0.8W0.2S2 saturable absorber. Optical Fiber Technology, 2018, 46, 230-237.	2.7	7
40	Compact L-band switchable dual wavelength SOA based on linear cavity fiber laser. Optik, 2019, 182, 37-41.	2.9	7
41	Widely Tunable Dual-Wavelength Thulium-doped fiber laser Operating in 1.8-2.0 mm Region. Optik, 2019, 179, 76-81.	2.9	7
42	Generation of four-wave mixing in molybdenum ditelluride (MoTe₂)-deposited side-polished fibre. Journal of Modern Optics, 2021, 68, 425-432.	1.3	7
43	Multiwavelength source based on SOA and EDFA in a ringâ€cavity resonator. Microwave and Optical Technology Letters, 2009, 51, 110-113.	1.4	6
44	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
45	Enhancing Temperature Sensitivity Using Cyclic Polybutylene Terephthalate- (c-PBT-) Coated Fiber Bragg Grating. Journal of Sensors, 2018, 2018, 1-6.	1.1	6
46	Frequency switching multiwavelength Brillouin Raman fibre laser based on feedback power adjustment technique. Journal of Modern Optics, 2020, 67, 951-957.	1.3	6
47	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
48	Four-wave mixing in zirconia-erbium doped fiber â€“ a comparison between ring and linear cavities. Laser Physics Letters, 2012, 9, 819-825.	1.4	5
49	Q-Switching and Mode-Locking in Highly Doped Zr$_{2}$O$_{3}$â€“Al$_{2}$ O$_{3}$â€“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
50	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
51	PERFORMANCE ANALYSIS OF COPPER TIN SULFIDE, Cu₂SnS₃ (CTS) WITH VARIOUS BUFFER LAYERS BY USING SCAPS IN SOLAR CELLS. Surface Review and Letters, 2017, 24, 1750073.	1.1	5
52	Passively Qâ€switched Oâ€band praseodymium doped fluoride fibre laser with PVA/graphene based SA. Electronics Letters, 2017, 53, 1481-1483.	1.0	5
53	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
54	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

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55	Fragmented context-dependent syllable acoustic models. , 0, , .		5
56	SOA based fiber ring laser with Fiber Bragg Grating. Microwave and Optical Technology Letters, 2008, 50, 3101-3103.	1.4	4
57	Q-switched erbium-doped fiber laser with molybdenum disulfide (MoS₂) nanoparticles on D-shaped fiber as saturable absorber. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950026.	1.8	4
58	Online vocabulary adaptation using limited adaptation data. , 0, , .		4
59	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
60	Stable zirconia-erbium doped multiwavelength fiber laser by precise control of polarization states. Laser Physics, 2012, 22, 982-985.	1.2	3
61	Single-longitudinal-mode operation in tunable novel zirconiaâ€“yttriaâ€“aluminaâ€“erbium-doped fiber laser. Laser Physics, 2014, 24, 085106.	1.2	3
62	DISCRIMINATIVELY TRAINED SPOKEN DOCUMENT SIMILARITY MODELS AND THEIR APPLICATION TO PROBABILISTIC LATENT SEMANTIC ANALYSIS. , 2006, , .		2
63	SOA-based multi-wavelength source. Journal of Modern Optics, 2008, 55, 2179-2185.	1.3	2
64	Quantification of Mesenchymal Stem Cell Growth Rates through Secretory and Excretory Biomolecules in Conditioned Media via Fresnel Reflection. Sensors, 2013, 13, 13276-13288.	3.8	2
65	Dual characteristics of molybdenum disulfide based PN heterojunction photodetector prepared via drop-cast technique. Optik, 2019, 188, 8-11.	2.9	2
66	Depressed cladding erbium-doped fiber laser passively mode-locked with carbon nanotube saturable absorber. Laser Physics Letters, 2019, 16, 045102.	1.4	2
67	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
68	Optical non-contact micrometer thickness measurement system for silica thick films. , 2012, , .		1
69	Poly (N-vinyl Carbazole) â€“ Polypyrrole/graphene oxide nanocomposite material on tapered fiber for Q-switched pulse generation. Optics and Laser Technology, 2018, 99, 184-190.	4.6	1
70	Tunable Q-switched ytterbium-doped fibre laser with Nickel Oxide saturable absorber. Indian Journal of Physics, 2021, 95, 361-366.	1.8	1
71	1.5 and 2.0 Âµm all-optical modulators based on niobium-carbide (Nb2C)-PVA film. Laser Physics Letters, 2021, 18, 085103.	1.4	1
72	Unsupervised lattice-based acoustic model adaptation for speaker-dependent conversational telephone speech transcription. , 0, , .		1

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73	Low-cost SWIR Silicon-based Graphene Oxide Photodetector. , 2019, , .		0
74	Learning spoken document similarity and recommendation using supervised probabilistic latent semantic analysis. , 0, , .		0