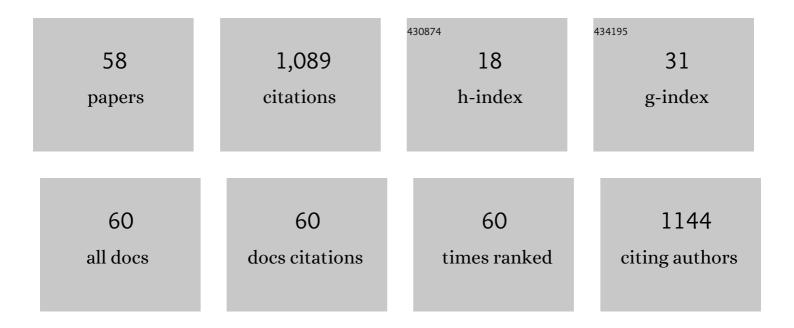
List of Publications by Year in descending order

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ARDAHAM KATZID

#	Article	IF	CITATIONS
1	Real-time bioprocess monitoring using a mid-infrared fibre-optic sensor. Biochemical Engineering Journal, 2021, 167, 107889.	3.6	9
2	Scanning near-field infrared microscopy for biomedical imaging with a subwavelength spatial resolution. , 2021, , .		0
3	Technical Note: Noninvasive midâ€IR fiberâ€optic evanescent wave spectroscopy (FEWS) for early detection of skin cancers. Medical Physics, 2020, 47, 5523-5530.	3.0	9
4	Mid-IR fiber-optic sensor systems for online monitoring of the quality of water: for environmental protection and homeland security (Conference Presentation). , 2020, , .		0
5	Mid-IR evanescent-field fiber sensor with enhanced sensitivity for volatile organic compounds. RSC Advances, 2019, 9, 21186-21191.	3.6	7
6	Toward the Required Detection Limits for Volatile Organic Constituents in Marine Environments with Infrared Evanescent Field Chemical Sensors. Sensors, 2019, 19, 3644.	3.8	17
7	Fiber-optic evanescent wave spectroscopy (FEWS) of crystals from a urine sample as a tool for evaluating the chemical composition of kidney stones. Analytical Methods, 2019, 11, 2404-2409.	2.7	4
8	Laser Soldering of Cartilage Graft Interposed Into a Tracheal Incision in a Porcine Model. Laryngoscope, 2019, 129, 58-62.	2.0	1
9	Fiber-optic middle infrared evanescent wave spectroscopy for early detection of melanoma. , 2019, , .		1
10	Strong bonding of corneal incisions using a noncontact fiber-optic laser soldering method. Journal of Biomedical Optics, 2019, 24, 1.	2.6	5
11	Robot-assisted laser tissue soldering system. Biomedical Optics Express, 2018, 9, 5635.	2.9	16
12	Using Attenuated Total Reflection–Fourier Transform Infra-Red (ATR-FTIR) spectroscopy to distinguish between melanoma cells with a different metastatic potential. Scientific Reports, 2017, 7, 4381.	3.3	45
13	Fourier transform infrared spectroscopy on external perturbations inducing secondary structure changes of hemoglobin. Analyst, The, 2016, 141, 6061-6067.	3.5	20
14	High-sensitivity infrared attenuated total reflectance sensors for in situ multicomponent detection of volatile organic compounds in water. Nature Protocols, 2016, 11, 377-386.	12.0	85
15	Closure of incision in cataract surgery in-vivo using a temperature controlled laser soldering system based on a 1.914/m semiconductor laser. , 2016, , .		1
16	Optical coherence tomography (OCT) in laser tissue bonding of incisions in the cornea. , 2015, , .		2
17	Temperature-controlled laser-soldering system and its clinical application for bonding skin incisions. Journal of Biomedical Optics, 2015, 20, 128002.	2.6	17
18	Probing the secondary structure of bovine serum albumin during heat-induced denaturation using mid-infrared fiberoptic sensors. Analyst, The, 2015, 140, 765-770.	3.5	128

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19	Iron doped silver halide crystals and their potential as middle infrared solid state lasers. Applied Physics Letters, 2014, 104, 041116.	3.3	1
20	Experimental Characterization of Transient Burning Properties of RDX–XLDB Propellant. Journal of Propulsion and Power, 2013, 29, 305-312.	2.2	4
21	Determination of Chlorinated Hydrocarbons in Water Using Highly Sensitive Mid-Infrared Sensor Technology. Scientific Reports, 2013, 3, 2525.	3.3	42
22	IRâ€ATR Chemical Sensors Based on Planar Silver Halide Waveguides Coated with an Ethylene/Propylene Copolymer for Detection of Multiple Organic Contaminants in Water. Angewandte Chemie - International Edition, 2013, 52, 2265-2268.	13.8	44
23	Bonding surgical incisions using a temperature-controlled laser system based on a single infrared fiber. Journal of Biomedical Optics, 2013, 18, 111416.	2.6	15
24	CO ₂ Laser Welding of Corneal Cuts with Albumin Solder Using Radiometric Temperature Control. Ophthalmic Research, 2013, 50, 174-179.	1.9	11
25	Temperatureâ€controlled twoâ€wavelength laser soldering of tissues. Lasers in Surgery and Medicine, 2011, 43, 907-913.	2.1	30
26	In vitro conjunctival incision repair by temperature-controlled laser soldering. Journal of Biomedical Optics, 2009, 14, 064016.	2.6	7
27	In vitro large diameter bowel anastomosis using a temperature controlled laser tissue soldering system and albumin stent. Lasers in Surgery and Medicine, 2009, 41, 504-508.	2.1	24
28	A Scanning Near-Field Infrared Microscope Based on AgClBr Fiber Probes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 19-28.	2.9	2
29	Single-Mode Index-Guiding Photonic Crystal Fibers for the Middle Infrared. IEEE Photonics Technology Letters, 2008, 20, 869-871.	2.5	12
30	Single-mode octagonal photonic crystal fibers for the middle infrared. Applied Physics Letters, 2008, 92, 021112.	3.3	12
31	A scanning near-field middle-infrared microscope for the study of objects submerged in water. Applied Physics Letters, 2008, 92, 104104.	3.3	8
32	CO2 Laser Fascia to Dura Soldering for Pig Dural Defect Reconstruction. Skull Base, 2007, 17, 017-023.	0.4	14
33	Rare earth doped silver halide crystals: a new candidate for mid-IR solid lid state lasers & fiber lasers and amplifiers. , 2007, , .		Ο
34	Immediate Tight Sealing of Skin Incisions Using an Innovative Temperature-controlled Laser Soldering Device. Annals of Surgery, 2007, 245, 206-213.	4.2	37
35	Development of tapered silver-halide fiber tips for a scanning near-field microscope operating in the middle infrared. Review of Scientific Instruments, 2006, 77, 126103.	1.3	10
36	Silver-halide segmented cladding fibers for the middle infrared. Applied Physics Letters, 2006, 88, 251101.	3.3	20

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37	The potential of rare earth doped silver halide crystals for mid-IR solid state lasers & fiber lasers and amplifiers. , 2006, , .		0
38	CO 2 temperature-controlled laser soldering of pig trachea incisions in vitro using flexible albumin bands. , 2005, 5686, 242.		1
39	Scanning near field infrared radiometry for thermal imaging of infrared emitters with subwavelength resolution. Applied Physics Letters, 2005, 87, 101109.	3.3	14
40	Thin ordered bundles of infrared-transmitting silver halide fibers. Applied Physics Letters, 2005, 87, 241122.	3.3	22
41	Infrared Evanescent Field Sensing with Quantum Cascade Lasers and Planar Silver Halide Waveguides. Analytical Chemistry, 2005, 77, 4398-4403.	6.5	63
42	Spectral emissivity and temperature measurements of selective bodies using multiband fiber-optic radiometry. Journal of Applied Physics, 2004, 96, 3507-3513.	2.5	27
43	A Scanning Electron Microscopy Study of CO2 Laser-Albumin Soldering in the Rabbit Model. Photomedicine and Laser Surgery, 2004, 22, 461-469.	2.0	7
44	Surface-Enhanced Infrared Absorption and Amplified Spectra on Planar Silver Halide Fiber. Journal of Physical Chemistry B, 2004, 108, 12633-12636.	2.6	16
45	Infrared fiber optic spectroscopy: a novel tool for skin diagnosis. , 2004, 5321, 44.		3
46	New Frontiers for Mid-Infrared Sensors: Towards Deep Sea Monitoring with a Submarine FT-IR Sensor System. Applied Spectroscopy, 2003, 57, 591-599.	2.2	42
47	Study of water diffusion in polyacrylonitrile using IR fiber optic evanescent wave spectroscopy. Polymers for Advanced Technologies, 2002, 13, 1039-1045.	3.2	8
48	Laser soldering of the cornea in a rabbit model using a controlled-temperature CO 2 laser system. , 2001, , .		8
49	Temperature controlled CO2 laser welding of soft tissues: Urinary bladder welding in different animal models (rats, rabbits, and cats). , 2000, 26, 4-12.		33
50	Comparison of flash lamp pulsed-dye laser (585 nm) and conventional surgery in the delay of random dorsal rat flaps. , 1999, 25, 178-186.		11
51	Subjective Comparison of Nd:YAG, Diode, and CO2 Lasers for Endoscopically Guided Inferior Turbinate Reduction Surgery. American Journal of Rhinology & Allergy, 1998, 12, 209-212.	2.2	39
52	<title>Temperature-controlled CO<formula><inf><roman>2</roman></inf></formula> laser tissue
welding of ocular tissues</title> . , 1997, 2971, 103.		7
53	Laser irradiation of biological tissue through water as a means of reducing thermal damage. Lasers in Surgery and Medicine, 1996, 19, 407-412.	2.1	8
54	Laser irradiation of biological tissue through water as a means of reducing thermal damage. , 1996, 19, 407.		1

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55	Silver halide fiber optic radiometric temperature measurement and control of CO2 laser-irradiated tissues and application to tissue welding. Lasers in Surgery and Medicine, 1994, 14, 323-328.	2.1	42
56	Experimental study of co2 laser myringotomy with a hand-held otoscope and fiberoptic delivery system. Lasers in Surgery and Medicine, 1994, 15, 249-253.	2.1	44
57	Thermal imaging by ordered bundles of silver halide crystalline fibers. Applied Physics Letters, 1992, 61, 1384-1386.	3.3	19
58	Immediate retinal adhesion by CO2 laser irradiation using a fiberoptic intraocular probe. Lasers in Surgery and Medicine, 1992, 12, 604-608.	2.1	2