

Guillermo Aguilar

List of Publications by Year in descending order

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153
papers

3,018
citations

136740

32
h-index

205818

48
g-index

155
all docs

155
docs citations

155
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of clinical and experimental treatment modalities for port wine stains. <i>Journal of the American Academy of Dermatology</i> , 2012, 67, 289-304.e29.	0.6	179
2	Ultrafast laser welding of ceramics. <i>Science</i> , 2019, 365, 803-808.	6.0	115
3	Optical properties of transparent nanocrystalline yttria stabilized zirconia. <i>Optical Materials</i> , 2009, 32, 62-68.	1.7	113
4	Theoretical and experimental analysis of droplet diameter, temperature, and evaporation rate evolution in cryogenic sprays. <i>International Journal of Heat and Mass Transfer</i> , 2001, 44, 3201-3211.	2.5	85
5	Determination of human skin optical properties from spectrophotometric measurements based on optimization by genetic algorithms. <i>Journal of Biomedical Optics</i> , 2005, 10, 024030.	1.4	80
6	Optic cavitation with CW lasers: A review. <i>Physics of Fluids</i> , 2014, 26, .	1.6	79
7	Influence of nozzle-to-skin distance in cryogen spray cooling for dermatologic laser surgery. <i>Lasers in Surgery and Medicine</i> , 2001, 28, 113-120.	1.1	76
8	SPLASHING PHENOMENA DURING LIQUID DROPLET IMPACT. <i>Atomization and Sprays</i> , 2010, 20, 297-310.	0.3	75
9	A Comparative Study of Photoacoustic and Reflectance Methods for Determination of Epidermal Melanin Content. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1432-1439.	0.3	72
10	Cryogen spray cooling efficiency: Improvement of port wine stain laser therapy through multiple-intermittent cryogen spurts and laser pulses. <i>Lasers in Surgery and Medicine</i> , 2002, 31, 27-35.	1.1	67
11	Characterization of temperature dependent mechanical behavior of cartilage. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 271-278.	1.1	62
12	On two distinct types of drag-reducing fluids, diameter scaling, and turbulent profiles. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2001, 96, 405-425.	1.0	60
13	Cryogen spray cooling in laser dermatology: Effects of ambient humidity and frost formation. <i>Lasers in Surgery and Medicine</i> , 2001, 28, 469-476.	1.1	58
14	Effect of spurt duration on the heat transfer dynamics during cryogen spray cooling. <i>Physics in Medicine and Biology</i> , 2003, 48, 2169-2181.	1.6	57
15	Asymptotes of maximum friction and heat transfer reductions for drag-reducing surfactant solutions. <i>International Journal of Heat and Mass Transfer</i> , 2001, 44, 2835-2843.	2.5	56
16	Dynamic behavior of cryogen spray cooling: Effects of spurt duration and spray distance. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 152-159.	1.1	55
17	An Overview of Three Promising Mechanical, Optical, and Biochemical Engineering Approaches to Improve Selective Photothermolysis of Refractory Port Wine Stains. <i>Annals of Biomedical Engineering</i> , 2012, 40, 486-506.	1.3	54
18	Transparent nanocrystalline yttria-stabilized-zirconia calvarium prosthesis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1135-1138.	1.7	51

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19	Treatment of cutaneous vascular lesions using multiple-wavelength laser pulses: Numerical and animal studies. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 494-503.	1.1	44
20	Measurement of heat flux and heat transfer coefficient during continuous cryogen spray cooling for laser dermatologic surgery. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2001, 7, 1013-1021.	1.9	43
21	Evaluation of cryogen spray cooling exposure on in vitro model human skin. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 146-154.	1.1	42
22	Increase of dermal blood volume fraction reduces the threshold for laser-induced purpura: Implications for port wine stain laser treatment. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 182-188.	1.1	42
23	Coupling Between Heat and Momentum Transfer Mechanisms for Drag-Reducing Polymer and Surfactant Solutions. <i>Journal of Heat Transfer</i> , 1999, 121, 796-802.	1.2	41
24	Pump-probe imaging of nanosecond laser-induced bubbles in agar gel. <i>Optics Express</i> , 2008, 16, 7481.	1.7	40
25	Dynamics of cryogen deposition relative to heat extraction rate during cryogen spray cooling. , 2000, , .		39
26	Modeling the thermal response of porcine cartilage to laser irradiation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2001, 7, 944-951.	1.9	39
27	Radial and temporal variations in surface heat transfer during cryogen spray cooling. <i>Physics in Medicine and Biology</i> , 2005, 50, 387-397.	1.6	38
28	Electromechanical reshaping of septal cartilage. <i>Laryngoscope</i> , 2010, 113, 1916-1921.	1.1	38
29	Soft material perforation via double-bubble laser-induced cavitation microjets. <i>Physics of Fluids</i> , 2020, 32, .	1.6	38
30	An improved diameter scaling correlation for turbulent flow of drag-reducing polymer solutions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 84, 131-148.	1.0	36
31	Effects of hypobaric pressure on human skin: Feasibility study for port wine stain laser therapy (Part I) <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	1.1	35
32	Comparison of diffusion approximation and Monte Carlo based finite element models for simulating thermal responses to laser irradiation in discrete vessels. <i>Physics in Medicine and Biology</i> , 2005, 50, 4075-4086.	1.6	35
33	Intermittent cryogen spray cooling for optimal heat extraction during dermatologic laser treatment. <i>Physics in Medicine and Biology</i> , 2002, 47, 3275-3288.	1.6	34
34	Experimental study of cryogen spray properties for application in dermatologic laser surgery. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 863-869.	2.5	34
35	Laser surgery of port wine stains using local vacuum pressure: Changes in skin morphology and optical properties (Part I). <i>Lasers in Surgery and Medicine</i> , 2007, 39, 108-117.	1.1	32
36	Cooling efficiency of cryogen spray during laser therapy of skin. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 137-142.	1.1	31

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37	Influence of angle between the nozzle and skin surface on the heat flux and overall heat extraction during cryogen spray cooling. <i>Physics in Medicine and Biology</i> , 2004, 49, N147-N153.	1.6	29
38	EFFECTS OF LIQUID AND SURFACE CHARACTERISTICS ON OSCILLATION BEHAVIOR OF DROPLETS UPON IMPACT. <i>Atomization and Sprays</i> , 2014, 24, 895-913.	0.3	29
39	Effects of mass flow rate and droplet velocity on surface heat flux during cryogen spray cooling. <i>Physics in Medicine and Biology</i> , 2003, 48, N1-N6.	1.6	26
40	Effect of skin indentation on heat transfer during cryogen spray cooling. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 155-163.	1.1	26
41	Improvement of port wine stain laser therapy by skin preheating prior to cryogen spray cooling: A numerical simulation. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 155-162.	1.1	26
42	Use of optical coherence tomography to monitor biological tissue freezing during cryosurgery. <i>Journal of Biomedical Optics</i> , 2004, 9, 282.	1.4	25
43	Vapor/liquid phase interaction in flare flashing sprays used in dermatologic cooling. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 5721-5731.	2.5	25
44	Measurements of laser light attenuation following cryogen spray cooling spurt termination. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 143-147.	1.1	24
45	Heat-transfer dynamics during cryogen spray cooling of substrate at different initial temperatures. <i>Physics in Medicine and Biology</i> , 2004, 49, 5295-5308.	1.6	23
46	Photoacoustic measurement of epidermal melanin. , 2003, , .		22
47	Laser surgery of port wine stains using local vacuum pressure: Changes in calculated energy deposition (Part II). <i>Lasers in Surgery and Medicine</i> , 2007, 39, 118-127.	1.1	22
48	Buoyancy effects on heat transfer and temperature profiles in horizontal pipe flow of drag-reducing fluids. <i>International Journal of Heat and Mass Transfer</i> , 2000, 43, 4267-4274.	2.5	20
49	Effects of hypobaric pressure on human skin: Implications for cryogen spray cooling (Part II). <i>Lasers in Surgery and Medicine</i> , 2005, 36, 130-135.	1.1	20
50	Measurement of temperature profiles in turbulent pipe flow of polymer and surfactant drag-reducing solutions. <i>Physics of Fluids</i> , 2007, 19, 083105.	1.6	20
51	Are Drop-Impact Phenomena Described by Rayleigh-Taylor or Kelvin-Helmholtz Theory?. <i>Drying Technology</i> , 2009, 27, 316-321.	1.7	19
52	Novel Cranial Implants of Yttria-Stabilized Zirconia as Acoustic Windows for Ultrasonic Brain Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700214.	3.9	19
53	Planar laser induced fluorescence for temperature measurement of optical thermocavitation. <i>Experimental Thermal and Fluid Science</i> , 2019, 103, 385-393.	1.5	19
54	Hydrophilic zeolite coatings for improved heat transfer: A quantitative analysis. <i>AIChE Journal</i> , 2008, 54, 779-790.	1.8	18

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55	Cutaneous Effects of Cryogen Spray Cooling on In Vivo Human Skin. <i>Dermatologic Surgery</i> , 2006, 32, 1007-1012.	0.4	17
56	Inflammatory response to implantation of transparent nanocrystalline yttria-stabilized zirconia using a dorsal window chamber model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1757-1763.	1.7	17
57	High repetition rate femtosecond laser heat accumulation and ablation thresholds in cobalt-binder and binderless tungsten carbides. <i>Journal of Materials Processing Technology</i> , 2019, 266, 388-396.	3.1	17
58	Skin model surface temperatures during single and multiple cryogen spurts used in laser dermatologic surgery. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 141-146.	1.1	16
59	Application of optical flow algorithms to laser speckle imaging. <i>Microvascular Research</i> , 2019, 122, 52-59.	1.1	16
60	Synthesis of molybdenum oxide nanoparticles by nanosecond laser ablation. <i>Materials Chemistry and Physics</i> , 2020, 240, 122163.	2.0	16
61	Evaluation of a transparent cranial implant as a permanent window for cerebral blood flow imaging. <i>Biomedical Optics Express</i> , 2018, 9, 4879.	1.5	16
62	Sequential cryogen spraying for heat flux control at the skin surface. , 2001, 4244, 74.		15
63	Influence of oxygen pressure on the fs laser-induced oxidation of molybdenum thin films. <i>Optical Materials Express</i> , 2018, 8, 581.	1.6	15
64	Controllable direction of liquid jets generated by thermocavitation within a droplet. <i>Applied Optics</i> , 2017, 56, 7167.	0.9	14
65	Enhanced near infrared optical access to the brain with a transparent cranial implant and scalp optical clearing. <i>Biomedical Optics Express</i> , 2019, 10, 3369.	1.5	14
66	Thermal modeling and experimental validation of human hair and skin heated by broadband light. <i>Lasers in Surgery and Medicine</i> , 2009, 41, 161-169.	1.1	13
67	Waveguide-like structures written in transparent polycrystalline ceramics with an ultra-low fluence femtosecond laser. <i>Optical Materials Express</i> , 2012, 2, 1416.	1.6	13
68	Molybdenum nanoparticles generation by pulsed laser ablation and effects of oxidation due to aging. <i>Journal of Alloys and Compounds</i> , 2019, 788, 666-671.	2.8	13
69	Bubble dynamics of laser-induced cavitation in plasmonic gold nanorod solutions and the relative effect of surface tension and viscosity. <i>Optics and Laser Technology</i> , 2021, 134, 106621.	2.2	13
70	Time-resolved study of the mechanical response of tissue phantoms to nanosecond laser pulses. <i>Journal of Biomedical Optics</i> , 2011, 16, 115001.	1.4	12
71	EFFECTS OF DROP AND FILM VISCOSITY ON DROP IMPACTS ONTO THIN FILMS. <i>Atomization and Sprays</i> , 2013, 23, 525-540.	0.3	12
72	Second-harmonic generation of ZnO nanoparticles synthesized by laser ablation of solids in liquids. <i>Optics and Laser Technology</i> , 2018, 99, 118-123.	2.2	12

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73	Evaluation of single versus multiple cryogen spray cooling spurts on in vitro model human skin. <i>Lasers in Medical Science</i> , 2005, 20, 80-86.	1.0	10
74	Effect of ambient humidity on light transmittance through skin phantoms during cryogen spray cooling. <i>Physics in Medicine and Biology</i> , 2006, 51, 113-120.	1.6	10
75	Laser-assisted cryosurgery of prostate: numerical study. <i>Physics in Medicine and Biology</i> , 2007, 52, 463-478.	1.6	10
76	EXAMINING VISCOSITY AND SURFACE WETTABILITY ON LAMELLA LIFT DYNAMICS AND DROPLET SPLASHING. <i>Atomization and Sprays</i> , 2011, 21, 303-315.	0.3	10
77	Extent of lateral epidermal protection afforded by a cryogen spray against laser irradiation. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 414-421.	1.1	9
78	Effect of Surface Roughness on Single Cryogen Droplet Spreading. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	0.8	9
79	Temporal evolution of thermocavitation bubbles using high speed video camera. <i>Proceedings of SPIE</i> , 2011, , .	0.8	9
80	Evaluation of laser bacterial anti-fouling of transparent nanocrystalline yttria-stabilized-zirconia cranial implant. <i>Lasers in Surgery and Medicine</i> , 2016, 48, 782-789.	1.1	9
81	BREAKING THE RAYLEIGH-PLATEAU INSTABILITY LIMIT USING THERMOCAVITATION WITHIN A DROPLET. <i>Atomization and Sprays</i> , 2013, 23, 487-503.	0.3	9
82	<title>Modeling the thermal response of porcine cartilage to laser irradiation</title>. , 2002, , .		8
83	Thermal responses of ex vivo human skin during multiple cryogen spurts and 1,450 nm laser pulses. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 137-141.	1.1	8
84	Influence of spraying distance and postcooling on cryogen spray cooling for dermatologic laser surgery. , 2001, , .		7
85	Optical properties of super stoichiometric TiN _{1+x} thin films. <i>Thin Solid Films</i> , 2012, 524, 272-277.	0.8	7
86	HIGH RESOLUTION OPTICAL EXPERIMENTAL TECHNIQUE FOR COMPUTING PULSED LASER-INDUCED CAVITATION BUBBLE DYNAMICS IN A SINGLE SHOT. <i>Atomization and Sprays</i> , 2013, 23, 475-485.	0.3	7
87	Laser-Assisted Cryosurgery in ex vivo Mice Hepatic Tissue: Viability Assays Using Green Fluorescent Protein. <i>Annals of Biomedical Engineering</i> , 2011, 39, 636-648.	1.3	6
88	Towards the enhancement of transdermal drug delivery through thermocavitation. <i>Photonics & Lasers in Medicine</i> , 2012, 1, .	0.3	6
89	Optical clearing agent perfusion enhancement via combination of microneedle poration, heating and pneumatic pressure. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 488-498.	1.1	6
90	Optical Access to Arteriovenous Cerebral Microcirculation Through a Transparent Cranial Implant. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 920-932.	1.1	6

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91	Characterization of ageing resistant transparent nanocrystalline yttria-stabilized zirconia implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 709-716.	1.6	6
92	Mitigation of cavitation erosion using laser-induced periodic surface structures. Surfaces and Interfaces, 2022, 29, 101692.	1.5	6
93	<title>Dynamic measurements of laser light attenuation by cryogen film and frost formation</title> . , 2002, , .		5
94	Radial Heat Transfer Dynamics During Cryogen Spray Cooling. , 2004, , 677.		5
95	Short and ultrashort laser pulse induced bubbles on transparent and scattering tissue models. , 2007, , .		5
96	Optical and Thermal Analysis of the Time Evolution of Curing in Resins by Photothermal Techniques. International Journal of Thermophysics, 2012, 33, 1892-1900.	1.0	5
97	Laboratory and numerical modeling of the formation of superfog from wildland fires. Fire Safety Journal, 2019, 106, 94-104.	1.4	5
98	Laser speckle imaging of brain blood flow through a transparent nanocrystalline yttria-stabilized-zirconia cranial implant. , 2018, , .		5
99	Passive mass deposition control of cryogen sprays through the use of wire meshes. Lasers in Surgery and Medicine, 2004, 34, 329-334.	1.1	4
100	Numerical Modeling of the Tissue Freezing-Thaw Cycle During Cutaneous Cryosurgery Using Liquid Nitrogen Spray. , 2005, , 275.		4
101	Numerical Prediction of the Intracellular ICE Formation Zone during Cryosurgery on a Nodular Basal Cell Carcinoma Using Liquid Nitrogen Spray. International Journal of Spray and Combustion Dynamics, 2012, 4, 341-379.	0.4	4
102	Chronic Brain Imaging Across a Transparent Nanocrystalline Yttria-Stabilized-Zirconia Cranial Implant. Frontiers in Bioengineering and Biotechnology, 2020, 8, 659.	2.0	4
103	Cryogen spray cooling in laser dermatology: Effects of ambient humidity and frost formation. , 2001, 28, 469.		4
104	Evaluation of a transparent cranial implant for multi-wavelength intrinsic optical signal imaging. , 2019, , .		4
105	Evaluation of Optical Access to the Brain in the Near Infrared Range with a Transparent Cranial Implant. , 2018, , .		4
106	Optimization of Cryogen Spray Cooling for Port Wine Stain Laser Therapy Using Photoacoustic Measurement of Epidermal Melanin. , 2003, , 13.		3
107	Heat Transfer Dynamics During Treatment of Port Wine Stain Birthmarks With Multiple-Intermittent Cryogen Spurts and Laser Pulses. , 2005, , 855.		3
108	Thermal Analysis for Cryosurgery of Nodular Basal Cell Carcinoma. , 2006, , 125.		3

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109	Effect of vacuum and thermal shock on laser treatment of <i>Trichophyton rubrum</i> (toenail fungus). , 2010, , .		3
110	Reconstruction of laser-induced cavitation bubble dynamics based on a Fresnel propagation approach. <i>Applied Optics</i> , 2015, 54, 10432.	2.1	3
111	Laser-induced cavitation in plasmonic nanoparticle solutions: A comparative study between gold and titanium nitride. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2483-2492.	2.1	3
112	Composite polymer membranes for laser-induced fluorescence thermometry. <i>Optical Materials Express</i> , 2018, 8, 3072.	1.6	3
113	High resolution optical investigation of laser intensity and solution temperature effects on thermocavitation. <i>Experimental Thermal and Fluid Science</i> , 2022, 136, 110683.	1.5	3
114	Effects of relative humidity on laser light transmittance during cryogen spray cooling of in vitro skin phantoms. , 2005, 5686, 154.		2
115	The Effect of Roughness on the Impact Dynamics and Heat Transfer of Cryogen Droplets Impinging Onto Indented Skin Phantoms. , 2005, , 861.		2
116	Confinement of Freezing Front by Laser Irradiation During Cryosurgery. , 2005, , 831.		2
117	Study of ns and fs Pulse Laser-Induced Effects in Biological-Tissue Models and Corneal Tissue. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	2
118	Irradiation of biological tissue using pulsed lasers: results and applications in medical areas. , 2007, 6422, 17.		2
119	Fluid and Thermal Dynamics of Cryogen Sprays Impinging on a Human Tissue Phantom. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 051005.	0.6	2
120	Plasma Membrane Integrity and Survival of Melanoma Cells After Nanosecond Laser Pulses. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3521-3531.	1.3	2
121	Experimental study of mechanical response of artificial tissue models irradiated with Nd:YAG nanosecond laser pulses. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
122	Monte Carlo method for photon heating using temperature-dependent optical properties. <i>Computer Methods and Programs in Biomedicine</i> , 2015, 118, 234-241.	2.6	2
123	Influence of low temperature ageing on optical and mechanical properties of transparent yttria stabilized-zirconia cranial prosthesis. , 2018, , .		2
124	Stratum corneum permeation and percutaneous drug delivery of hydrophilic molecules enhanced by cryopneumatic and photopneumatic technologies. <i>Journal of Drugs in Dermatology</i> , 2010, 9, 1528-30.	0.4	2
125	<title>Influence of cryogen spray cooling parameters on the heat extraction rate from a sprayed surface</title>. , 2002, 4609, 83.		1
126	Spray and Cooling Dynamics of Cryogen Sprays Impinging on a Human Skin Model. , 2007, , 815.		1

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127	Mechanical response of agar gel irradiated with Nd:YAG nanosecond laser pulses. Proceedings of SPIE, 2010, , .	0.8	1
128	Thermocavitation as a tool for stratum corneum permeation. Proceedings of SPIE, 2011, , .	0.8	1
129	Numerical Calculation of the Shear Stress Generated by the Flow Field Induced by an Oscillating Bubble Between Two Solid Boundaries. International Journal of Thermophysics, 2012, 33, 2217-2221.	1.0	1
130	Evaluation of Sub-Zero and Residence Times After Continuous Versus Multiple Intermittent Cryogen Spray Cooling Exposure on Human Skin Phantom. , 2004, , .		1
131	Optical access to the brain through a transparent cranial implant. , 2020, , .		1
132	Experimental study of multiple-intermittent cryogen spurts and laser pulses for the treatment of port wine stain birthmarks. , 2003, , .		0
133	Design and construction of experimental device to study cryogen droplet deposition and heat transfer. , 2003, , .		0
134	Numerical modeling of spray cooling-assisted dermatologic laser surgery for treatment of port wine stains. , 2005, 5686, 88.		0
135	Effects of a Wire Mesh on Droplet Size and Velocity Distributions of Cryogenic Sprays. , 2005, , 825.		0
136	Cutaneous Effects of Cryogen Spray Cooling on In Vivo Human Skin. Dermatologic Surgery, 2006, 32, 1007-1012.	0.4	0
137	An Experimental Study of In Vitro Transdermal Drug Delivery Assisted by Cryopneumatic Technology. , 2009, , .		0
138	Cell damage extent due to irradiation with nanosecond laser pulses under cell culturing medium and dry environment. Proceedings of SPIE, 2009, , .	0.8	0
139	TARGETED MEDICAL SPRAYS STIMULATING THERAPEUTIC EFFECTS. Atomization and Sprays, 2011, 21, 327-348.	0.3	0
140	Green Fluorescent Protein as an Indicator of Cryoinjury in Tissues. Annals of Biomedical Engineering, 2013, 41, 2676-2686.	1.3	0
141	Liquid jet generated by thermocavitation bubbles within a droplet. , 2013, , .		0
142	Preface for the Special Issue: CAVITATION BUBBLES, DROPLETS AND JETS. Atomization and Sprays, 2013, 23, v-vii.	0.3	0
143	Femtosecond laser assisted antibacterial activity of ZnO nanoparticles. , 2017, , .		0
144	Laser-excited gold nanoparticles for treatment of cancer cells in vitro. Proceedings of SPIE, 2017, , .	0.8	0

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145	Meso-Scale Particle Image Velocimetry Studies of Neurovascular Flows In Vitro. Journal of Visualized Experiments, 2018, , .	0.2	0
146	Group Refractive Index of Nanocrystalline Yttria-Stabilized Zirconia Transparent Cranial Implants. Frontiers in Bioengineering and Biotechnology, 2021, 9, 619686.	2.0	0
147	Correlations Between Spray Properties and Heat Transfer Dynamics During Cryogen Spray Cooling. , 2003, , .		0
148	Imaging of Port Wine Stain Lesions Using a Multi-Sensor Photoacoustic Probe. , 2004, , .		0
149	Laser-induced cavitation bubble reconstruction based on the Fresnel optical propagation. , 2014, , .		0
150	Antibacterial studies of ZnO nanoparticle coatings on nanocrystalline YSZ irradiated with femtosecond laser light. , 2018, , .		0
151	Growth inhibition of Staphylococcus Aureus by a combined treatment of ZnO nanoparticles and femtosecond laser light. , 2019, , .		0
152	Experimental and computational model approach to assess the photothermal effects in transparent nanocrystalline yttria stabilized zirconia cranial implant. Computer Methods and Programs in Biomedicine, 2022, 221, 106896.	2.6	0
153	Nanocrystalline Yttria-Stabilized Zirconia Ceramics for Cranial Window Applications. ACS Applied Bio Materials, 2022, 5, 2664-2675.	2.3	0