

Juan J Alvarado-Gil

List of Publications by Year in descending order

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213
papers

3,077
citations

201575

27
h-index

243529

44
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216
all docs

216
docs citations

216
times ranked

3143
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the effective thermal conductivity of particulate composites based on VO ₂ and SiO ₂ . International Journal of Thermal Sciences, 2022, 172, 107278.	2.6	4
2	Novel nitrogen plasma doping on CdS/GO compounds and their photocatalytic assessment. Nanotechnology, 2022, 33, 055705.	1.3	4
3	Concave gold nanoparticles on aluminum as surface enhanced Raman spectroscopy substrate for detection of thiram. Nanomaterials and Nanotechnology, 2022, 12, 184798042210827.	1.2	0
4	Effect of the Metal-Insulator Transition on the Thermoelectric Properties of Composites Based on $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_3$ with VO_2 Nanoparticles. International Journal of Thermophysics, 2022, 43, 1.	1.0	1
5	Electrical and thermal percolation in two-phase materials: A perspective. Journal of Applied Physics, 2022, 131, .	1.1	12
6	Ce, Eu incorporation through doping of ALD-ZnO thin films for enhancing their photoluminescent properties. Nanotechnology, 2021, 32, 145601.	1.3	1
7	Percolation Threshold of the Thermal, Electrical and Optical Properties of Carbonyl-Iron Microcomposites. Applied Composite Materials, 2021, 28, 447-463.	1.3	10
8	Simple thermal decomposition synthesis of monoclinic VO ₂ . Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	2
9	Thermophysical and optical properties of NiCo ₂ O ₄ @ZrO ₂ : A potential composite for thermochemical processes. International Journal of Hydrogen Energy, 2021, 46, 10632-10641.	3.8	3
10	Experimental Optimization of the Thermal Rectification of a Far-Field Diode Based on VO ₂ . , 2021, , .		0
11	Columnar nitrogen-doped ZnO nanostructured thin films obtained through atomic layer deposition. Nanotechnology, 2021, 32, 405704.	1.3	2
12	Thermal-Wave Diode. Physical Review Applied, 2021, 16, .	1.5	15
13	Study of the Effects of Heating on Organic Matter and Mineral Phases in Limestones. Journal of Spectroscopy, 2021, 2021, 1-11.	0.6	1
14	Thermal Diode Based on the Spatiotemporal Modulation of Thermal Properties. , 2021, , .		0
15	Heat Transfer in Cassava Starch Biopolymers: Effect of the Addition of Borax. Polymers, 2021, 13, 4106.	2.0	7
16	“Tailoring the TiO ₂ phases through microwave-assisted hydrothermal synthesis: Comparative assessment of bactericidal activity” Materials Science and Engineering C, 2020, 117, 111290.	3.8	9
17	Thermoelastic response of materials with thick-disk geometry excited by a ring-shaped laser beam. Journal of Applied Physics, 2020, 128, 113101.	1.1	3
18	Photocatalytic Degradation of 2-chlorophenol under $\hat{1}^3\text{-Bi}_2\text{MoO}_6$ /Graphene Oxide. MRS Advances, 2020, 5, 581-589.	0.5	7

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19	Determination of the nonradiative conversion efficiency of lead mixed-halide perovskites using optical and photothermal spectroscopy. <i>Applied Optics</i> , 2020, 59, D201.	0.9	1
20	Photocatalytic performance of nitrogen doped ZnO structures supported on graphene oxide for MB degradation. <i>Chemosphere</i> , 2019, 236, 124368.	4.2	34
21	Photothermal and thermography techniques applied in the characterization of the thermophysical properties of solar absorbers: A review. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	5
22	Thermophysical characterisation of VO ₂ thin films hysteresis and its application in thermal rectification. <i>Scientific Reports</i> , 2019, 9, 8728.	1.6	34
23	Measurement of the hysteretic thermal properties of W-doped and undoped nanocrystalline powders of VO ₂ . <i>Scientific Reports</i> , 2019, 9, 14687.	1.6	34
24	Tuning light transmission with smart fluids based on 1D carbon nanomaterials. <i>Materials Research Express</i> , 2019, 6, 115086.	0.8	1
25	Two-Dimensional Phonon Polariton Heat Transport. <i>Nano Letters</i> , 2019, 19, 6924-6930.	4.5	41
26	Periodic amplification of radiative heat transfer. <i>Journal of Applied Physics</i> , 2019, 125, 064302.	1.1	2
27	Photocatalytic Performance of ZnO/N-rGO For Lignin Degradation Under Vis Light Energy. <i>MRS Advances</i> , 2019, 4, 3407-3415.	0.5	1
28	Controlling the aspect ratio of Zn(1- λ)Eu(λ)O nanostructures obtained by a statistical experimental design involving atomic layer deposition and microwave-assisted hydrothermal methods. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	3
29	Thermal Characterization of Carbon Fiber-Reinforced Carbon Composites. <i>Applied Composite Materials</i> , 2019, 26, 321-337.	1.3	25
30	On the use of photothermal techniques for the characterization of solar-selective coatings. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	14
31	Thermal characterization of soda lime silicate glass-graphite composites for thermal energy storage. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, 024701.	0.8	1
32	Heat transport in electrically aligned multiwalled carbon nanotubes dispersed in water. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 065302.	1.3	8
33	Effects of Sintering on the Thermal and Optical Properties of Zinc Oxide Ceramic. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	1.0	4
34	Laser induced wavefront distortion in thick-disk material: An analytical description. <i>Optical Materials</i> , 2018, 75, 574-579.	1.7	4
35	Contact-based and spheroidal vibrational modes of a hexagonal monolayer of microspheres on a substrate. <i>Wave Motion</i> , 2018, 76, 122-133.	1.0	8
36	Magnetic field induced tunability on the thermal conductivity of ferrofluids loaded with carbon nanofibers. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 075003.	1.3	17

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37	On the preparation and characterization of superparamagnetic nanoparticles with Gelidium robustum agar coating for biomedical applications. Bulletin of Materials Science, 2018, 41, 1.	0.8	3
38	Heat transport in epoxy and polyester carbonyl iron microcomposites: The effect of concentration and temperature. Journal of Composite Materials, 2018, 52, 1331-1338.	1.2	4
39	Determination of the changes on the thermal and optical properties of selective solar absorber coatings induced by prolonged thermal treatment. AIP Conference Proceedings, 2018, , .	0.3	0
40	Thermal hysteresis measurement of the VO ₂ dielectric function for its metal-insulator transition by visible-IR ellipsometry. Journal of Applied Physics, 2018, 124, .	1.1	40
41	Comparing the Efficiency of N-Doped TiO ₂ and N-Doped Bi ₂ MoO ₆ Photo Catalysts for MB and Lignin Photodegradation. Catalysts, 2018, 8, 668.	1.6	18
42	Thermal conductivity reduction in highly doped mesoporous silicon: The effect of nano-crystal formation. Journal of Applied Physics, 2018, 124, .	1.1	2
43	Thermal hysteresis measurement of the VO ₂ emissivity and its application in thermal rectification. Scientific Reports, 2018, 8, 8479.	1.6	36
44	Modeling of the electrical conductivity, thermal conductivity, and specific heat capacity of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{VO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mSub} \rangle \langle \text{mml:m} \rangle$ Physical Review B, 2018, 98, .	1.1	49
45	Influence of Brookite Impurities on the Raman Spectrum of TiO ₂ Anatase Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 19921-19930.	1.5	60
46	Measurement of the thermal transport properties of liquids using the front-face flash method. Infrared Physics and Technology, 2018, 93, 9-15.	1.3	3
47	Vibrations of micron-sized fluid membranes induced via pulsed laser excitation. Journal of Fluids and Structures, 2018, 81, 58-68.	1.5	2
48	Study of thermal conductivity of magnetorheological fluids using the thermal-wave resonant cavity and its relationship with the viscosity. Smart Materials and Structures, 2017, 26, 025010.	1.8	14
49	Photoluminescence on cerium-doped ZnO nanorods produced under sequential atomic layer deposition hydrothermal processes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	16
50	Optical and thermal properties of selective absorber coatings under CSP conditions. AIP Conference Proceedings, 2017, , .	0.3	8
51	Indium-doped ZnO nanorods grown on Si (100) using a hybrid ALD-solvothermal method. Materials Research Express, 2017, 4, 075032.	0.8	4
52	Vibrational dynamics of a two-dimensional microgranular crystal. Physical Review B, 2017, 96, .	1.1	17
53	Tailoring surface and photocatalytic properties of ZnO and nitrogen-doped ZnO nanostructures using microwave-assisted facile hydrothermal synthesis. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	14
54	Solar fuels production as a sustainable alternative for substituting fossil fuels: COSOLIFE project. AIP Conference Proceedings, 2017, , .	0.3	0

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55	Diffusive-to-ballistic transition of the modulated heat transport in a rarefied air chamber. <i>AIP Advances</i> , 2017, 7, 015032.	0.6	1
56	Photoacoustic monitoring of water transport process in calcareous stone coated with biopolymers. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4
57	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. <i>AIP Advances</i> , 2016, 6, .	0.6	40
58	Increasing the thermal conductivity of silicone based fluids using carbon nanofibers. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	5
59	Study of the thermal properties of polyester composites loaded with oriented carbon nanofibers using the front-face flash method. <i>Polymer Testing</i> , 2016, 50, 255-261.	2.3	12
60	Laser-induced transient grating setup with continuously tunable period. <i>Review of Scientific Instruments</i> , 2015, 86, 123101.	0.6	23
61	Spectrochemical Characterization of Red Pigments Used in Classic Period Maya Funerary Practices. <i>Archaeometry</i> , 2015, 57, 1045-1059.	0.6	8
62	Thermal conductivity of a diamond magnetite composite fluid under the effect of a uniform magnetic field. <i>Diamond and Related Materials</i> , 2015, 53, 45-51.	1.8	12
63	Thermal transfer in mixtures of ethylene glycol with carbon coated iron nanoparticles under the influence of a uniform magnetic field. <i>Journal of Alloys and Compounds</i> , 2015, 643, S71-S74.	2.8	5
64	Thermal effects on the physical properties of limestones from the Yucatan Peninsula. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2015, 75, 182-189.	2.6	73
65	Thermal analysis and structural characterization of chitinous exoskeleton from two marine invertebrates. <i>Thermochimica Acta</i> , 2015, 610, 16-22.	1.2	9
66	Advantages of Hydrothermal Synthesis to Produce Tunable TiO ₂ Nanomicro Sized Photocatalysts and Their Effect in Lignin Degradation. <i>Nano</i> , 2015, 10, 1550046.	0.5	10
67	Heat Transport in Liquid Polyester Resin with Carbon Nanotubes. <i>International Journal of Thermophysics</i> , 2015, 36, 2854-2861.	1.0	3
68	Steady state and modulated heat conduction in layered systems predicted by the analytical solution of the phonon Boltzmann transport equation. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	26
69	Electrodeposition and characterization of nanostructured black nickel selective absorber coatings for solar thermal energy conversion. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5553-5561.	1.1	29
70	Photothermal Determination of Infrared Emissivity of Selective Solar Absorbing Coatings. <i>International Journal of Thermophysics</i> , 2015, 36, 1051-1056.	1.0	3
71	Effects of UV-Vis Irradiation on Vanadium Etioporphyrins Extracted from Crude Oil and the Role of Nanostructured Titania. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-9.	1.4	2
72	Characterization of Thermal Losses in an Evacuated Tubular Solar Collector Prototype for Medium Temperature Applications. <i>Energy Procedia</i> , 2014, 57, 2121-2130.	1.8	4

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73	Thermal effects on the physical properties of limestone from the Yucatan Peninsula. Materials Research Society Symposia Proceedings, 2014, 1611, 171-176.	0.1	0
74	Polarized light transmission in ferrofluids loaded with carbon nanotubes in the presence of a uniform magnetic field. Journal of Magnetism and Magnetic Materials, 2014, 369, 114-121.	1.0	27
75	Thermal characterization of magnetically aligned carbonyl iron/agar composites. Carbohydrate Polymers, 2014, 99, 84-90.	5.1	25
76	Optical and Thermal Characterization of High Reflection Surfaces with Applications in Thermal-Solar Technology. , 2014, , .		0
77	Thermal Conductivity of Particulate Nanocomposites. Lecture Notes in Nanoscale Science and Technology, 2014, , 93-139.	0.4	6
78	A crowding factor model for the thermal conductivity of particulate composites at non-dilute limit. Journal of Applied Physics, 2013, 114, .	1.1	25
79	Photoacoustic monitoring of sedimentation of micro-particles in low viscosity fluids. Review of Scientific Instruments, 2013, 84, 084902.	0.6	2
80	Thermal Resistance Formulation of Fourier Equation and Its Application in the Study of Inhomogeneous Materials and Inverse Problems. International Journal of Thermophysics, 2013, 34, 1457-1465.	1.0	6
81	Effect of the Electron-Phonon Coupling on the Effective Thermal Conductivity of Metallic Bilayers. International Journal of Thermophysics, 2013, 34, 1817-1827.	1.0	9
82	Polarization dependent two-photon absorption spectroscopy on a naturally occurring biomarker (curcumin) in solution: A theoretical-experimental study. Chemical Physics Letters, 2013, 583, 160-164.	1.2	9
83	Infrared emissivity determination using a thermal-wave resonant cavity: Comparison between the length- and frequency-scan approaches. International Journal of Thermal Sciences, 2013, 74, 208-213.	2.6	9
84	Photothermal model fitting in the complex plane for thermal properties determination in solids. Review of Scientific Instruments, 2013, 84, 024903.	0.6	6
85	SYNTHESIS OF MESOPOROUS OF $N_yTi_xCe_xO_{2y}$ STRUCTURES AND ITS VISIBLE LIGHT INDUCED PHOTOCATALYTIC PERFORMANCE. Nano, 2013, 08, 1350051.		
86	Infrared thermography analysis of thermal diffusion induced by RF magnetic field on agar phantoms loaded with magnetic nanoparticles. Proceedings of SPIE, 2013, , .	0.8	6
87	Physical, Petrographic, and Mineralogical Properties of Limestone Rocks from the Peninsula of Yucatán. Materials Research Society Symposia Proceedings, 2012, 1373, 53.	0.1	1
88	Photothermal characterization of the thermal properties of materials using four characteristic modulation frequencies in two-layer systems. Journal of Applied Physics, 2012, 112, 064909.	1.1	13
89	Effect of the multiple reflections of a light beam on the thermal wave field of a sample of finite thickness. Journal of Applied Physics, 2012, 111, 094915.	1.1	9
90	A model for the effective thermal conductivity of metal-nonmetal particulate composites. Journal of Applied Physics, 2012, 111, .	1.1	23

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91	Thermal characterization of composites made up of magnetically aligned carbonyl iron particles in a polyester resin matrix. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	21
92	Resonance frequencies and Young's modulus determination of magnetorheological elastomers using the photoacoustic technique. <i>Journal of Applied Physics</i> , 2012, 112, 124910.	1.1	10
93	N-doped TiO ₂ P25/Cu powder obtained using nitrogen (N ₂) gas plasma. <i>Catalysis Today</i> , 2012, 193, 179-185.	2.2	39
94	Effective Thermal Conductivity of Metal-Dielectric Composites at the Non-dilute Limit. <i>International Journal of Thermophysics</i> , 2012, 33, 2118-2124.	1.0	6
95	Photothermal Radiometry Characterization of Limestone Rocks from the Peninsula of Yucatán. <i>International Journal of Thermophysics</i> , 2012, 33, 1908-1915.	1.0	7
96	Study of the Photodegradation Process of Vitamin E Acetate by Optical Absorption, Fluorescence, and Thermal Lens Spectroscopy. <i>International Journal of Thermophysics</i> , 2012, 33, 2062-2068.	1.0	4
97	Photothermal and Structural Comparative Analysis of Chitinous Exoskeletons of Marine Invertebrates. <i>International Journal of Thermophysics</i> , 2012, 33, 1856-1863.	1.0	2
98	Optical and Thermal Analysis of the Time Evolution of Curing in Resins by Photothermal Techniques. <i>International Journal of Thermophysics</i> , 2012, 33, 1892-1900.	1.0	5
99	Nanoindentation characterization of the micro-lamellar arrangement of black coral skeleton. <i>Journal of Structural Biology</i> , 2012, 177, 349-357.	1.3	14
100	Preparation and Characterization of Algal Polysaccharides/Magnetite Microparticles Composite Films. <i>International Journal of Thermophysics</i> , 2012, 33, 2125-2131.	1.0	5
101	Thermal Conductivity of Composites with Carbon Nanotubes: Theory and Experiment. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1479, 101-106.	0.1	0
102	Thermal quadrupole method applied to flat and spherical semi-transparent multilayers heated up with a modulated laser beam. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	6
103	Effect of the pore shape on the thermal conductivity of porous media. <i>Journal of Materials Science</i> , 2012, 47, 6733-6740.	1.7	47
104	Determination of thermal properties for hyperbolic heat transport using a frequency-modulated excitation source. <i>International Journal of Engineering Science</i> , 2012, 50, 101-112.	2.7	7
105	Thermal conductivity of nanocomposites with high volume fractions of particles. <i>Composites Science and Technology</i> , 2012, 72, 853-857.	3.8	40
106	Photothermal Study of the Formation Dynamics of Fumed Silica Thin Films. <i>International Journal of Thermophysics</i> , 2012, 33, 80-90.	1.0	0
107	Effects of thermal treatments on the structure of two black coral species chitinous exoskeleton. <i>Journal of Materials Science</i> , 2012, 47, 990-998.	1.7	67
108	The effect of the electron-phonon coupling on the effective thermal conductivity of metal-nonmetal multilayers. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	47

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109	A constitutive equation for nano-to-macro-scale heat conduction based on the Boltzmann transport equation. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	29
110	OPTICAL MONITORING OF BLEACHING AGENTS EFFECTS ON HUMAN DENTAL REMAINS. <i>Instrumentation Science and Technology</i> , 2011, 39, 447-461.	0.9	0
111	On the thermal conductivity of particulate nanocomposites. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	71
112	Effective Thermal Properties of Layered Systems Under the Parabolic and Hyperbolic Heat Conduction Models Using Pulsed Heat Sources. <i>Journal of Heat Transfer</i> , 2011, 133, .	1.2	7
113	Photocatalytic Activity of Degussa P25 TiO ₂ /Au Obtained Using Argon (Ar) and Nitrogen (N ₂) Plasma. <i>Topics in Catalysis</i> , 2011, 54, 250-256.	1.3	14
114	Photoacoustic monitoring of thermal wave interference effects during the formation of polymeric thin films from solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 975-986.	1.1	5
115	On the stability of the exact solutions of the dual-phase lagging model of heat conduction. <i>Nanoscale Research Letters</i> , 2011, 6, 327.	3.1	24
116	Diffuse reflectance study of the effects of bleaching agents in damaged dental pieces. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
117	Photothermal radiometric determination of thermal diffusivity depth profiles in a dental resin. <i>Journal of Physics: Conference Series</i> , 2010, 214, 012097.	0.3	0
118	Exact solution of the dual-phase-lag heat conduction model for a one-dimensional system excited with a periodic heat source. <i>Mechanics Research Communications</i> , 2010, 37, 276-281.	1.0	17
119	Thermal characterization of granular materials using a thermal-wave resonant cavity under the dual-phase lag model of heat conduction. <i>Granular Matter</i> , 2010, 12, 569-577.	1.1	9
120	Water Transport Monitoring in Calcium Carbonate Stones by Photoacoustic Spectroscopy. <i>International Journal of Thermophysics</i> , 2010, 31, 1027-1036.	1.0	8
121	Generalized Bruggeman Formula for the Effective Thermal Conductivity of Particulate Composites with an Interface Layer. <i>International Journal of Thermophysics</i> , 2010, 31, 975-986.	1.0	43
122	Diffusion of Methylene Blue in Phantoms of Agar Using a Photoacoustic Technique. <i>International Journal of Thermophysics</i> , 2010, 31, 987-997.	1.0	4
123	Photothermal Radiometry and Diffuse Reflectance Analysis of Thermally Treated Bones. <i>International Journal of Thermophysics</i> , 2010, 31, 805-815.	1.0	4
124	Effective Thermal Properties of Multilayered Systems with Interface Thermal Resistance in a Hyperbolic Heat Transfer Model. <i>International Journal of Thermophysics</i> , 2010, 31, 900-925.	1.0	14
125	Frequency-modulated hyperbolic heat transport and effective thermal properties in layered systems. <i>International Journal of Thermal Sciences</i> , 2010, 49, 209-217.	2.6	26
126	Hamiltonâ€™Jacobi and quantum theory formulations of thermal-wave propagation under the dual-phase lagging model of heat conduction. <i>Journal of Mathematical Physics</i> , 2010, 51, 023506.	0.5	0

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127	Optical and thermal depth profile reconstructions of inhomogeneous photopolymerization in dental resins using photothermal waves. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	15
128	Determination of Time-Delay Parameters in the Dual-Phase Lagging Heat Conduction Model. <i>Journal of Heat Transfer</i> , 2010, 132, .	1.2	21
129	Photothermal determination of thermal diffusivity and polymerization depth profiles of polymerized dental resins. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	15
130	Thermal wave oscillations and thermal relaxation time determination in a hyperbolic heat transport model. <i>International Journal of Thermal Sciences</i> , 2009, 48, 2053-2062.	2.6	67
131	Metrological Aspects of Auto-normalized Front Photopyroelectric Method to Measure Thermal Effusivity in Liquids. <i>International Journal of Thermophysics</i> , 2008, 29, 2102-2115.	1.0	4
132	Measurement of the Sol-Gel Transition Temperature in Agar. <i>International Journal of Thermophysics</i> , 2008, 29, 2036-2045.	1.0	33
133	Study of the photoactivation of titania Degussa P25 in ethanol-methanol suspensions using a piezoelectric sensor. <i>Journal of Molecular Catalysis A</i> , 2008, 281, 113-118.	4.8	4
134	Study of the evaporation of thin layers of liquids by photothermal techniques. <i>European Physical Journal: Special Topics</i> , 2008, 153, 65-67.	1.2	4
135	Photothermal measurement of thermal diffusivity in carbonyl iron powder suspensions. <i>European Physical Journal: Special Topics</i> , 2008, 153, 75-77.	1.2	9
136	Metrological aspects of thermal relaxation technique by radiation loss for volumetric heat capacity measurements. <i>European Physical Journal: Special Topics</i> , 2008, 153, 171-173.	1.2	4
137	Photothermal monitoring of curing in multilayered systems. <i>European Physical Journal: Special Topics</i> , 2008, 153, 203-205.	1.2	2
138	Thermographic analysis of surface damage in teeth. , 2008, , .		2
139	Photothermal and optical spectroscopy analysis of burned bones. , 2007, 6430, 157.		1
140	Photothermal radiometry monitoring of light curing in resins. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6098-6104.	1.3	25
141	Optical study of the photoactivation time of a sol-gel titania suspension in ethanol. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 971-973.	1.5	7
142	Optical, thermal, and structural characterization of the sclerotized skeleton of two antipatharian coral species. <i>Materials Science and Engineering C</i> , 2007, 27, 880-885.	3.8	19
143	Monitoring the Formation of Thin Films by Photothermal Technique. <i>International Journal of Thermophysics</i> , 2007, 28, 996-1003.	1.0	5
144	Structural, optical and vibrational properties of sol-gel titania valproic acid reservoirs. <i>Optical Materials</i> , 2006, 29, 82-87.	1.7	10

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145	Monitoring of blood sedimentation by a multiplexed light transmission method. Review of Scientific Instruments, 2006, 77, 044301.	0.6	1
146	Photopyroelectric method using a thermal wave resonator cavity for detection of phase transitions in agar. , 2005, , .		0
147	Analysis of dental materials by photothermal radiometry. , 2005, , .		0
148	A novel integrated system for analysis of thermal depth profiles. , 2005, , .		2
149	Temperature measurements by laser beam deflection. , 2005, , .		0
150	Photothermal radiometry analysis of charge transport. , 2005, , .		0
151	Scaling and wavelet-based analyses of the long-term heart rate variability of the Eastern Oyster. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 291-301.	1.2	5
152	Open Photoacoustic Cell Technique as a Tool for Thermal and Thermo-Mechanical Characterization of Teeth and Their Restorative Materials. International Journal of Thermophysics, 2005, 26, 243-253.	1.0	11
153	Nitrifying and Denitrifying Microbiological Mud Encapsulated by the Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2005, 33, 59-64.	1.1	1
154	Photoacoustic spectroscopy of Entamoeba histolytica strains. European Physical Journal Special Topics, 2005, 125, 653-655.	0.2	1
155	Photothermal characterization of thermally treated shells of Strombus Gigas. European Physical Journal Special Topics, 2005, 125, 691-695.	0.2	1
156	Photoacoustic monitoring of dehydration in sol-gel titania emulsions. European Physical Journal Special Topics, 2005, 125, 583-585.	0.2	1
157	Dependence of thermal diffusion and thermoelastic vibration on mechanical properties in two-layer systems. European Physical Journal Special Topics, 2005, 125, 161-163.	0.2	0
158	Measurement of phase transitions and thermal diffusivity in agar using a thermal wave resonator cavity. European Physical Journal Special Topics, 2005, 125, 811-815.	0.2	2
159	Photothermal characterization of the gelation process in Gelidium robustum Agar. European Physical Journal Special Topics, 2005, 125, 821-824.	0.2	1
160	Monitoring ethylene and oxygen emission during water stress of Populus alba leaves. European Physical Journal Special Topics, 2005, 125, 817-819.	0.2	0
161	Photoacoustic thermal characterization of the dehydration process of Agar-SiO ₂ emulsions. European Physical Journal Special Topics, 2005, 125, 177-180.	0.2	0
162	Heat diffusion and thermolastic vibration influence on the signal of an open photoacoustic cell for two layer systems. Journal of Applied Physics, 2004, 95, 6450-6456.	1.1	24

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163	Thermal Characterization of Agar Encapsulated in TiO ₂ Sol-Gel. International Journal of Thermophysics, 2004, 25, 1483-1493.	1.0	8
164	Thermal characterization during dehydration of nitrifying and denitrifying microbiological mud encapsulated in silica gel. Thermochimica Acta, 2004, 421, 211-215.	1.2	6
165	Photorespiration and temperature dependence of oxygen evolution in tomato plants monitored by open photoacoustic cell technique. Review of Scientific Instruments, 2003, 74, 706-708.	0.6	9
166	Photoacoustic monitoring of real time blood and hemolymph sedimentation. Review of Scientific Instruments, 2003, 74, 377-379.	0.6	16
167	Monitoring of heartbeat by laser beam reflection. Measurement Science and Technology, 2003, 14, 317-322.	1.4	7
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