Juan J Alvarado-Gil

List of Publications by Year
in descending order

213	3,077	201575	243529
papers	citations	27 h-index	44 g-index

216	216	216	3143
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bandâ€gap shift in CdS semiconductor by photoacoustic spectroscopy: Evidence of a cubic to hexagonal lattice transition. Applied Physics Letters, 1994, 64, 291-293.	1.5	199
2	Thermal and electrical properties of the Ge:Sb:Te system by photoacoustic and Hall measurements. Physical Review B, 1995, 52, 16321-16324.	1.1	81
3	Influence of thermal annealings in different atmospheres on the bandâ€gap shift and resistivity of CdS thin films. Journal of Applied Physics, 1995, 78, 2204-2207.	1.1	73
4	Thermal effects on the physical properties of limestones from the Yucatan Peninsula. International Journal of Rock Mechanics and Minings Sciences, 2015, 75, 182-189.	2.6	73
5	On the thermal conductivity of particulate nanocomposites. Applied Physics Letters, 2011, 98, .	1.5	71
6	Thermal wave oscillations and thermal relaxation time determination in a hyperbolic heat transport model. International Journal of Thermal Sciences, 2009, 48, 2053-2062.	2.6	67
7	Effects of thermal treatments on the structure of two black coral species chitinous exoskeleton. Journal of Materials Science, 2012, 47, 990-998.	1.7	67
8	Influence of Brookite Impurities on the Raman Spectrum of TiO₂ Anatase Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 19921-19930.	1.5	60
9	Photothermal Characterization of Electrochemical Etching Processed n-Type Porous Silicon. Physical Review Letters, 1997, 79, 5022-5025.	2.9	59
10	Band-gap shift in CdS: phase transition from cubic to hexagonal on thermal annealing. Vacuum, 1995, 46, 1083-1085.	1.6	58
11	Modeling of the electrical conductivity, thermal conductivity, and specific heat capacity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2018, 98, .	1.1	49
12	The effect of the electron-phonon coupling on the effective thermal conductivity of metal-nonmetal multilayers. Journal of Applied Physics, 2011, 109, .	1.1	47
13	Effect of the pore shape on the thermal conductivity of porous media. Journal of Materials Science, 2012, 47, 6733-6740.	1.7	47
14	Generalized Bruggeman Formula for the Effective Thermal Conductivity of Particulate Composites with an Interface Layer. International Journal of Thermophysics, 2010, 31, 975-986.	1.0	43
15	Two-Dimensional Phonon Polariton Heat Transport. Nano Letters, 2019, 19, 6924-6930.	4.5	41
16	Thermal conductivity of nanocomposites with high volume fractions of particles. Composites Science and Technology, 2012, 72, 853-857.	3.8	40
17	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. AIP Advances, 2016, 6, .	0.6	40
18	Thermal hysteresis measurement of the VO2 dielectric function for its metal-insulator transition by visible-IR ellipsometry. Journal of Applied Physics, 2018, 124, .	1.1	40

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19	Photoacoustic determination of non-radiative carrier lifetimes. Journal of Applied Physics, 1998, 83, 2604-2609.	1.1	39
20	N-doped TiO2 P25/Cu powder obtained using nitrogen (N2) gas plasma. Catalysis Today, 2012, 193, 179-185.	2.2	39
21	Thermal hysteresis measurement of the VO2 emissivity and its application in thermal rectification. Scientific Reports, 2018, 8, 8479.	1.6	36
22	Photocatalytic performance of nitrogen doped ZnO structures supported on graphene oxide for MB degradation. Chemosphere, 2019, 236, 124368.	4.2	34
23	Thermophysical characterisation of VO2 thin films hysteresis and its application in thermal rectification. Scientific Reports, 2019, 9, 8728.	1.6	34
24	Measurement of the hysteretic thermal properties of W-doped and undoped nanocrystalline powders of VO2. Scientific Reports, 2019, 9, 14687.	1.6	34
25	Measurement of the Solâ€“Gel Transition Temperature in Agar. International Journal of Thermophysics, 2008, 29, 2036-2045.	1.0	33
26	Photosynthetic O2 evolution in maize inbreds and their hybrids can be differentiated by open photoacoustic cell technique. Plant Science, 1995, 104, 177-181.	1.7	30
27	A constitutive equation for nano-to-macro-scale heat conduction based on the Boltzmann transport equation. Journal of Applied Physics, 2011, 109, .	1.1	29
28	Electrodeposition and characterization of nanostructured black nickel selective absorber coatings for solarâ€“thermal energy conversion. Journal of Materials Science: Materials in Electronics, 2015, 26, 5553-5561.	1.1	29
29	The influence of slaked lime content on the processing conditions of cooked maize tortillas: changes of thermal, structural and rheological properties. Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung, 1995, 201, 236-240.	0.7	28
30	On the thermal characterization of two-layer systems by means of the photoacoustic effect. Journal Physics D: Applied Physics, 1996, 29, 981-986.	1.3	28
31	On the use of the photoacoustic technique for corrosion monitoring of metals: Cu and Zn oxides formed in tropical environments. Corrosion Science, 1997, 39, 1641-1655.	3.0	28
32	Photoacoustic measurements of the thermal properties of Al y Ga 1-y As alloys in the region 0<y<0.5. Applied Physics A: Materials Science and Processing, 1997, 65, 69-72.	1.1	27
33	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
34	Photoacoustic thermal characterization of sparkâ€processed porous silicon. Journal of Applied Physics, 1996, 79, 8951-8954.	1.1	26
35	Frequency-modulated hyperbolic heat transport and effective thermal properties in layered systems. International Journal of Thermal Sciences, 2010, 49, 209-217.	2.6	26
36	Steady state and modulated heat conduction in layered systems predicted by the analytical solution of the phonon Boltzmann transport equation. Journal of Applied Physics, 2015, 118, .	1.1	26

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37	Photothermal radiometry monitoring of light curing in resins. Journal Physics D: Applied Physics, 2007, 40, 6098-6104.	1.3	25
38	A crowding factor model for the thermal conductivity of particulate composites at non-dilute limit. Journal of Applied Physics, 2013, 114, .	1.1	25
39	Thermal characterization of magnetically aligned carbonyl iron/agar composites. Carbohydrate Polymers, 2014, 99, 84-90.	5.1	25
40	Thermal Characterization of Carbon Fiber-Reinforced Carbon Composites. Applied Composite Materials, 2019, 26, 321-337.	1.3	25
41	Photoacoustic characterization of the thermal properties of a semiconductor-glass two-layer system. Physical Review B, 1994, 50, 14627-14630.	1.1	24
42	On the Thermal and Structural Properties of Cd1â^'xZnxTe in the Range 0 < Ã— < 0.3. Physica Status Solidi A, 1996, 158, 67-72.	1.7	24
43	Open photoacoustic cell determination of the thermal interface resistance in two layer systems. Journal of Applied Physics, 2001, 89, 4070-4075.	1.1	24
44	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
45	On the stability of the exact solutions of the dual-phase lagging model of heat conduction. Nanoscale Research Letters, 2011, 6, 327.	3.1	24
46	Photoacoustic CdTe surface characterization. Applied Physics B: Lasers and Optics, 1996, 64, 97-101.	1.1	23
47	A model for the effective thermal conductivity of metal-nonmetal particulate composites. Journal of Applied Physics, 2012, 111, .	1.1	23
48	Laser-induced transient grating setup with continuously tunable period. Review of Scientific Instruments, 2015, 86, 123101.	0.6	23
49	Photoacoustic monitoring of the influence of arbuscular mycorrhizal infection on the photosynthesis of corn (Zea mays L.). Plant Science, 1996, 119, 183-190.	1.7	22
50	Photoacoustic study of the effect of aluminum content on the thermal and thermomechanical properties of AlyGa1â^'yAs on GaAs in the range (0â©½yâ‰²1). Journal of Applied Physics, 2000, 87, 7740-7744.	1.1	21
51	Determination of Time-Delay Parameters in the Dual-Phase Lagging Heat Conduction Model. Journal of Heat Transfer, 2010, 132, .	1.2	21
52	Thermal characterization of composites made up of magnetically aligned carbonyl iron particles in a polyester resin matrix. Journal of Applied Physics, 2012, 111, .	1.1	21
53	Photoacoustic Monitoring of Processing Conditions in Cooked Tortillas: Measurement of Thermal Diffusivity. Journal of Food Science, 1995, 60, 438-442.	1.5	19
54	Photoacoustic determination of recombination parameters in CdTe/glass system. Journal of Applied Physics, 1998, 83, 3807-3810.	1.1	19

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55	Optical, thermal, and structural characterization of the sclerotized skeleton of two antipatharian coral species. Materials Science and Engineering C, 2007, 27, 880-885.	3.8	19
56	On the thermal properties of a two-layer system. Physica Status Solidi A, 1995, 150, 695-704.	1.7	18
57	Research Note Soil Characteristics in Semiarid Highlands of Central Mexico as Affected by Mesquite Trees (Prosopis laevigata). Arid Land Research and Management, 1999, 13, 305-312.	0.3	18
58	Comparing the Efficiency of N-Doped TiO2 and N-Doped Bi2MoO6 Photo Catalysts for MB and Lignin Photodegradation. Catalysts, 2018, 8, 668.	1.6	18
59	Photoacoustic monitoring of inhomogeneous curing processes in polystyrene emulsions. Journal Physics D: Applied Physics, 2002, 35, 1532-1537.	1.3	17
60	Exact solution of the dual-phase-lag heat conduction model for a one-dimensional system excited with a periodic heat source. Mechanics Research Communications, 2010, 37, 276-281.	1.0	17
61	Vibrational dynamics of a two-dimensional microgranular crystal. Physical Review B, 2017, 96, .	1.1	17
62	Magnetic field induced tunability on the thermal conductivity of ferrofluids loaded with carbon nanofibers. Journal Physics D: Applied Physics, 2018, 51, 075003.	1.3	17
63	Photoacoustic measurements of thermal diffusivity and correlation with viscosity of instant corn dry masa flour. Analyst, The, 1995, 120, 1953-1958.	1.7	16
64	Thermal, structural and optical properties of {CdS}â€“Na86X composites. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2651-2657.	1.7	16
65	Photoacoustic monitoring of real time blood and hemolymph sedimentation. Review of Scientific Instruments, 2003, 74, 377-379.	0.6	16
66	Photoluminescence on cerium-doped ZnO nanorods produced under sequential atomic layer depositionâ€“hydrothermal processes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	16
67	On the Use of the Photoacoustic Technique for Monitoring the Doping Concentration Dependence of the Surface Recombination Velocity. Physica Status Solidi A, 1998, 169, 275-280.	1.7	15
68	Photothermal determination of thermal diffusivity and polymerization depth profiles of polymerized dental resins. Journal of Applied Physics, 2009, 106, .	1.1	15
69	Optical and thermal depth profile reconstructions of inhomogeneous photopolymerization in dental resins using photothermal waves. Journal of Applied Physics, 2010, 108, .	1.1	15
70	Thermal-Wave Diode. Physical Review Applied, 2021, 16, .	1.5	15
71	In vivo and in situ measurements of spectroscopic and photosynthesis properties of undetached maize leaves using the open photoacoustic cell technique. Plant Science, 1994, 96, 203-209.	1.7	14
72	Photoacoustic thermal characterization of a semiconductor (CdTe)-glass two layer system. Vacuum, 1995, 46, 883-886.	1.6	14

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73	Determination of the thermophysical properties of polymers (PET) using photoacoustic spectroscopy. Journal of Materials Science, 1999, 34, 2113-2119.	1.7	14
74	Effective Thermal Properties of Multilayered Systems with Interface Thermal Resistance in a Hyperbolic Heat Transfer Model. International Journal of Thermophysics, 2010, 31, 900-925.	1.0	14
75	Photocatalytic Activity of Degussa P25 TiO2/Au Obtained Using Argon (Ar) and Nitrogen (N2) Plasma. Topics in Catalysis, 2011, 54, 250-256.	1.3	14
76	Nanoindentation characterization of the micro-lamellar arrangement of black coral skeleton. Journal of Structural Biology, 2012, 177, 349-357.	1.3	14
77	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
78	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
79	On the use of photothermal techniques for the characterization of solar-selective coatings. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	14
80	Effect of lime content on the processing conditions of cooked maize tortillas: changes of thermal, structural, and rheological properties. Optical Engineering, 1997, 36, 348.	0.5	13
81	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
82	Thermal conductivity of a diamond magnetite composite fluid under the effect of a uniform magnetic field. Diamond and Related Materials, 2015, 53, 45-51.	1.8	12
83	Study of the thermal properties of polyester composites loaded with oriented carbon nanofibers using the front-face flash method. Polymer Testing, 2016, 50, 255-261.	2.3	12
84	Electrical and thermal percolation in two-phase materials: A perspective. Journal of Applied Physics, 2022, 131, .	1.1	12
85	On the use of the photoacoustic technique for the measurement of the thermomechanical properties of semiconductor two-layer systems. Solid State Communications, 1996, 100, 855-859.	0.9	11
86	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
87	Structural, optical and vibrational properties of solâ€“gel titania valproic acid reservoirs. Optical Materials, 2006, 29, 82-87.	1.7	10
88	Resonance frequencies and Young's modulus determination of magnetorheological elastomers using the photoacoustic technique. Journal of Applied Physics, 2012, 112, 124910.	1.1	10
89	Advantages of Hydrothermal Synthesis to Produce Tunable TiO2 Nanomicro Sized Photocatalysts and Their Effect in Lignin Degradation. Nano, 2015, 10, 1550046.	0.5	10
90	Percolation Threshold of the Thermal, Electrical and Optical Properties of Carbonyl-Iron Microcomposites. Applied Composite Materials, 2021, 28, 447-463.	1.3	10

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91	Photoacoustic technique for monitoring the thermal properties of porous silicon. Optical Engineering, 1997, 36, 343.	0.5	9
92	PHOTOACOUSTIC SPECTROSCOPY OF CORROSION PRODUCTS OF COPPER FORMED IN TROPICAL ENVIRONMENTS. Instrumentation Science and Technology, 1998, 26, 241-260.	0.9	9
93	Photoacoustic determination of the thermal properties of bivalve mollusk shells. Marine Biology, 2002, 141, 911-914.	0.7	9
94	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
95	Photothermal measurement of thermal diffusivity in carbonyl iron powder suspensions. European Physical Journal: Special Topics, 2008, 153, 75-77.	1.2	9
96	Thermal characterization of granular materials using a thermal-wave resonant cavity under the dual-phase lag model of heat conduction. Granular Matter, 2010, 12, 569-577.	1.1	9
97	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
98	Effect of the Electronâ€“Phonon Coupling on the Effective Thermal Conductivity of Metallic Bilayers. International Journal of Thermophysics, 2013, 34, 1817-1827.	1.0	9
99	Polarization dependent two-photon absorption spectroscopy on a naturally occurring biomarker (curcumin) in solution: A theoreticalâ€“experimental study. Chemical Physics Letters, 2013, 583, 160-164.	1.2	9
100	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
101	Thermal analysis and structural characterization of chitinous exoskeleton from two marine invertebrates. Thermochimica Acta, 2015, 610, 16-22.	1.2	9
102	â€œTailoring the TiO2 phases through microwave-assisted hydrothermal synthesis: Comparative assessment of bactericidal activityâ€• Materials Science and Engineering C, 2020, 117, 111290.	3.8	9
103	Thermal Characterization of Agar Encapsulated in TiO2 Sol?Gel. International Journal of Thermophysics, 2004, 25, 1483-1493.	1.0	8
104	Water Transport Monitoring in Calcium Carbonate Stones by Photoacoustic Spectroscopy. International Journal of Thermophysics, 2010, 31, 1027-1036.	1.0	8
105	Spectrochemical Characterization of Red Pigments Used in Classic Period Maya Funerary Practices. Archaeometry, 2015, 57, 1045-1059.	0.6	8
106	Optical and thermal properties of selective absorber coatings under CSP conditions. AIP Conference Proceedings, 2017, , .	0.3	8
107	Heat transport in electrically aligned multiwalled carbon nanotubes dispersed in water. Journal Physics D: Applied Physics, 2018, 51, 065302.	1.3	8
108	Contact-based and spheroidal vibrational modes of a hexagonal monolayer of microspheres on a substrate. Wave Motion, 2018, 76, 122-133.	1.0	8

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109	Effects of Starch Gelatinisation on the Thermal, Dielectric and Rheological Properties of Extruded Corn Masa. Journal of Cereal Science, 1998, 27, 147-155.	1.8	7
110	Monitoring of heartbeat by laser beam reflection. Measurement Science and Technology, 2003, 14, 317-322.	1.4	7
111	Optical study of the photoactivation time of a solâ€“gel titania suspension in ethanol. Journal of Non-Crystalline Solids, 2007, 353, 971-973.	1.5	7
112	Effective Thermal Properties of Layered Systems Under the Parabolic and Hyperbolic Heat Conduction Models Using Pulsed Heat Sources. Journal of Heat Transfer, 2011, 133, .	1.2	7
113	Photothermal Radiometry Characterization of Limestone Rocks from the PenÃnsula of YucatÃ¡n. International Journal of Thermophysics, 2012, 33, 1908-1915.	1.0	7
114	Determination of thermal properties for hyperbolic heat transport using a frequency-modulated excitation source. International Journal of Engineering Science, 2012, 50, 101-112.	2.7	7
115	Photocatalytic Degradation of 2-chlorophenol under Î³-Bi2MoO6/Graphene Oxide. MRS Advances, 2020, 5, 581-589.	0.5	7
116	Heat Transfer in Cassava Starch Biopolymers: Effect of the Addition of Borax. Polymers, 2021, 13, 4106.	2.0	7
117	Photoacoustic determination of heat capacity per unit volume at room temperature of thin metallic foils. Review of Scientific Instruments, 2003, 74, 845-847.	0.6	6
118	Photothermal characterization of materials biomineralized by mollusks (invited). Review of Scientific Instruments, 2003, 74, 750-754.	0.6	6
119	Thermal characterization during dehydration of nitrifying and denitrifying microbiological mud encapsulated in silica gel. Thermochimica Acta, 2004, 421, 211-215.	1.2	6
120	Effective Thermal Conductivity of Metalâ€“Dielectric Composites at the Non-dilute Limit. International Journal of Thermophysics, 2012, 33, 2118-2124.	1.0	6
121	Thermal quadrupole method applied to flat and spherical semi-transparent multilayers heated up with a modulated laser beam. Journal of Applied Physics, 2012, 112, .	1.1	6
122	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
123	Photothermal model fitting in the complex plane for thermal properties determination in solids. Review of Scientific Instruments, 2013, 84, 024903.	0.6	6
124	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
125	Thermal Conductivity of Particulate Nanocomposites. Lecture Notes in Nanoscale Science and Technology, 2014, , 93-139.	0.4	6
126	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

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127	Monitoring the Formation of Thin Films by Photothermal Technique. International Journal of Thermophysics, 2007, 28, 996-1003.	1.0	5
128	Photoacoustic monitoring of thermal wave interference effects during the formation of polymeric thin films from solutions. Applied Physics A: Materials Science and Processing, 2011, 105, 975-986.	1.1	5
129	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
130	Preparation and Characterization of Algal Polysaccharides/Magnetite Microparticles Composite Films. International Journal of Thermophysics, 2012, 33, 2125-2131.	1.0	5
131	Thermal transfer in mixtures of ethylene glicol with carbon coated iron nanoparticles under the influence of a uniform magnetic field. Journal of Alloys and Compounds, 2015, 643, S71-S74.	2.8	5
132	Increasing the thermal conductivity of silicone based fluids using carbon nanofibers. Journal of Applied Physics, 2016, 120, .	1.1	5
133	Photothermal and thermography techniques applied in the characterization of the thermophysical properties of solar absorbers: A review. AIP Conference Proceedings, 2019, , .	0.3	5
134	A new optical method based on laser 'knife edge' detection for monitoring an early embryonic beating heart. Measurement Science and Technology, 1995, 6, 1433-1435.	1.4	4
135	Metrological Aspects of Auto-normalized Front Photopyroelectric Method to Measure Thermal Effusivity in Liquids. International Journal of Thermophysics, 2008, 29, 2102-2115.	1.0	4
136	Study of the photoactivation of titania Degussa P25 in ethanolâ€“methanol suspensions using a piezoelectric sensor. Journal of Molecular Catalysis A, 2008, 281, 113-118.	4.8	4
137	Study of the evaporation of thin layers of liquids by photothermal techniques. European Physical Journal: Special Topics, 2008, 153, 65-67.	1.2	4
138	Metrological aspects of thermal relaxation technique by radiation loss for volumetric heat capacity measurements. European Physical Journal: Special Topics, 2008, 153, 171-173.	1.2	4
139	Diffusion of Methylene Blue in Phantoms of Agar Using a Photoacoustic Technique. International Journal of Thermophysics, 2010, 31, 987-997.	1.0	4
140	Photothermal Radiometry and Diffuse Reflectance Analysis of Thermally Treated Bones. International Journal of Thermophysics, 2010, 31, 805-815.	1.0	4
141	Study of the Photodegradation Process of Vitamin E Acetate by Optical Absorption, Fluorescence, and Thermal Lens Spectroscopy. International Journal of Thermophysics, 2012, 33, 2062-2068.	1.0	4
142	Characterization of Thermal Losses in an Evacuated Tubular Solar Collector Prototype for Medium Temperature Applications. Energy Procedia, 2014, 57, 2121-2130.	1.8	4
143	Photoacoustic monitoring of water transport process in calcareous stone coated with biopolymers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	4
144	Indium-doped ZnO nanorods grown on Si (1â€‰1â€‰1) using a hybrid ALD-solvothermal method. Materials Research Express, 2017, 4, 075032.	0.8	4

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145	Effects of Sintering on the Thermal and Optical Properties of Zinc Oxide Ceramic. International Journal of Thermophysics, 2018, 39, 1.	1.0	4
146	Laser induced wavefront distortion in thick-disk material: An analytical description. Optical Materials, 2018, 75, 574-579.	1.7	4
147	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
148	Determination of the effective thermal conductivity of particulate composites based on VO2 and SiO2. International Journal of Thermal Sciences, 2022, 172, 107278.	2.6	4
149	Photoacoustic characterisation of semiconductor surfaces: cadmium telluride. High Temperatures - High Pressures, 1998, 30, 613-618.	0.3	4
150	Novel nitrogen plasma doping on CdS/GO compounds and their photocatalytic assessment. Nanotechnology, 2022, 33, 055705.	1.3	4
151	SYNTHESIS OF MESOPOROUS OF N_yTi_{1â€“x}Ce_xO_{2â€“y} STRUCTURES AND ITS VISIBLE LIGHT INDUCED PHOTOCATALYTIC PERFORMANCE. Nano, 2013, 08, 1350051.	0.5	4
152	Heat Transport in Liquid Polyester Resin with Carbon Nanotubes. International Journal of Thermophysics, 2015, 36, 2854-2861.	1.0	3
153	Photothermal Determination of Infrared Emissivity of Selective Solar Absorbing Coatings. International Journal of Thermophysics, 2015, 36, 1051-1056.	1.0	3
154	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
155	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
156	Controlling the aspect ratio of Zn(1â^'x)Eu(x)O nanostructures obtained by a statistical experimental design involving atomic layer deposition and microwave-assisted hydrothermal methods. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	3
157	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
158	Thermophysical and optical properties of NiCo2O4@ZrO2: A potential composite for thermochemical processes. International Journal of Hydrogen Energy, 2021, 46, 10632-10641.	3.8	3
159	Imaging of Subsurface Defects in Bivalve Shells by Photothermal Techniques. Materials Research Society Symposia Proceedings, 2001, 711, 1.	0.1	2
160	A novel integrated system for analysis of thermal depth profiles. , 2005, , .		2
161	Photothermal monitoring of curing in multilayered systems. European Physical Journal: Special Topics, 2008, 153, 203-205.	1.2	2
162	Thermographic analysis of surface damage in teeth. , 2008, , .		2

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163	Photothermal and Structural Comparative Analysis of Chitinous Exoskeletons of Marine Invertebrates. International Journal of Thermophysics, 2012, 33, 1856-1863.	1.0	2
164	Photoacoustic monitoring of sedimentation of micro-particles in low viscosity fluids. Review of Scientific Instruments, 2013, 84, 084902.	0.6	2
165	Effects of UV-Vis Irradiation on Vanadium Etioporphyrins Extracted from Crude Oil and the Role of Nanostructured Titania. International Journal of Photoenergy, 2014, 2014, 1-9.	1.4	2
166	Thermal conductivity reduction in highly doped mesoporous silicon: The effect of nano-crystal formation. Journal of Applied Physics, 2018, 124, .	1.1	2
167	Vibrations of micron-sized fluid membranes induced via pulsed laser excitation. Journal of Fluids and Structures, 2018, 81, 58-68.	1.5	2
168	Periodic amplification of radiative heat transfer. Journal of Applied Physics, 2019, 125, 064302.	1.1	2
169	Simple thermal decomposition synthesis of monoclinic VO2. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	2
170	Columnar nitrogen-doped ZnO nanostructured thin films obtained through atomic layer deposition. Nanotechnology, 2021, 32, 405704.	1.3	2
171	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
172	A new CO2 analyzer for measuring respiration rates in organic material. Review of Scientific Instruments, 1996, 67, 3732-3736.	0.6	1
173	Texturization Analysis by X-ray Diffraction of Shells of the Mussel Ischadium recurvum (Rafinesque,) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	1
174	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
175	Photoacoustic spectroscopy of Entamoeba histolytica strains. European Physical Journal Special Topics, 2005, 125, 653-655.	0.2	1
176	Photothermal characterization of thermally treated shells of Strombus Gigas. European Physical Journal Special Topics, 2005, 125, 691-695.	0.2	1
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