

Agustin Salazar

List of Publications by Year in descending order

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181
papers

2,897
citations

186265

28
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44
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182
all docs

182
docs citations

182
times ranked

1817
citing authors

#	ARTICLE	IF	CITATIONS
1	Sizing the depth and width of ideal delaminations using modulated photothermal radiometry. Journal of Applied Physics, 2022, 131, .	2.5	7
2	Vertical Cracks Excited in Lock-in Vibrothermography Experiments: Identification of Open and Inhomogeneous Heat Fluxes. Sensors, 2022, 22, 2336.	3.8	1
3	Crystallographic, magnetic and magnetocaloric properties in novel intermetallic materials R ₃ CoNi (R) Tj ETQq1 1 0.784314 rgBT /Ove	5.5	14
4	Determining the thermal diffusivity and the principal directions on anisotropic moving samples with laser-spot thermography. International Journal of Heat and Mass Transfer, 2021, 176, 121447.	4.8	2
5	Quantifying the width and angle of inclined cracks using laser-spot lock-in thermography. NDT and E International, 2021, 122, 102494.	3.7	10
6	Sizing the Depth and Width of Narrow Cracks in Real Parts by Laser-Spot Lock-In Thermography. Materials, 2021, 14, 5644.	2.9	5
7	Laser-spot step-heating thermography to measure the thermal diffusivity of solids. International Journal of Thermal Sciences, 2021, 170, 107124.	4.9	13
8	Lock-in thermography on moving samples: amazing mismatch between amplitude and phase. Quantitative InfraRed Thermography Journal, 2020, 17, 279-286.	4.2	6
9	Characterizing Subsurface Rectangular Tilted Heat Sources Using Inductive Thermography. Applied Sciences (Switzerland), 2020, 10, 5444.	2.5	4
10	Quantum paraelectric state and critical behavior in Sn(Pb) ₂ P ₂ S(Se) ₆ ferroelectrics. Journal of Applied Physics, 2020, 128, .	2.5	6
11	Magnetocaloric properties and unconventional critical behavior in (Gd,Tb) ₆ (Fe,Mn)Bi ₂ intermetallics. Journal of Alloys and Compounds, 2020, 843, 155937.	5.5	12
12	Phase diagram of ferroelectrics with tricritical and Lifshitz points at coupling between polar and antipolar fluctuations. Physical Review B, 2020, 101, .	3.2	5
13	Measuring the in-plane thermal diffusivity of moving samples using laser spot lock-in thermography. International Journal of Thermal Sciences, 2020, 151, 106277.	4.9	7
14	Flying spot thermography: Quantitative assessment of thermal diffusivity and crack width. Journal of Applied Physics, 2020, 127, .	2.5	17
15	Sizing the length of surface breaking cracks using vibrothermography. NDT and E International, 2020, 112, 102250.	3.7	4
16	Measurement of the thermal conductivity of fluids using laser spot lock-in thermography. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107740.	5.0	6
17	Constant Velocity Flying Spot for the estimation of in-plane thermal diffusivity on anisotropic materials. International Journal of Thermal Sciences, 2019, 145, 106000.	4.9	14
18	Peculiar magnetocaloric properties and critical behavior in antiferromagnetic Tb ₃ Ni with complex magnetic structure. Journal of Alloys and Compounds, 2019, 808, 151720.	5.5	10

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19	Characterizing the shape and heat production of open vertical cracks in burst vibrothermography experiments. NDT and E International, 2019, 102, 234-243.	3.7	12
20	Comprehensive study of the magnetic phase transitions in Tb ₃ Co combining thermal, magnetic and neutron diffraction measurements. Intermetallics, 2019, 111, 106519.	3.9	8
21	Study of the magnetocaloric effect in intermetallics RTX (R = Nd, Gd; T = Sc, Ti; X = Si, Ge). Intermetallics, 2019, 110, 106495.	3.9	10
22	Fast sizing of the width of infinite vertical cracks using constant velocity Flying-Spot thermography. NDT and E International, 2019, 103, 166-172.	3.7	13
23	Inducing a tricritical point in Sn ₂ P ₂ (SeyS _{1-y}) ₆ ferroelectrics by Pb addition. Thermochemica Acta, 2019, 675, 38-43.	2.7	4
24	Coupling Pulsed Flying Spot technique with robot automation for industrial thermal characterization of complex shape composite materials. NDT and E International, 2019, 102, 175-179.	3.7	7
25	Measurement of in-plane thermal diffusivity of solids moving at constant velocity using laser spot infrared thermography. Measurement: Journal of the International Measurement Confederation, 2019, 134, 519-526.	5.0	20
26	Measuring the thermal resistance of vertical interfaces separating two different media using infrared thermography. International Journal of Thermal Sciences, 2019, 135, 410-416.	4.9	14
27	Thermal diffusivity and thermal conductivity in layered ferrielectric materials $M^{1+}M^{3+}P_2(S,Se)_6$ ($M^{1+} = \text{Cu, Ag}$); Tj ET.Q1 1 0.784314		
28	Cation role in the thermal properties of layered materials $M^{1+}M^{3+}P_2(S,Se)_6$ ($M^{1+} = \text{Cu, Ag}$); Tj ET.Q1 1 0.784314		

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37	Ultrasound excited thermography: an efficient tool for the characterization of vertical cracks. Measurement Science and Technology, 2017, 28, 112001.	2.6	22
38	Simultaneous measurements of the thermal diffusivity and conductivity of thermal insulators using lock-in infrared thermography. International Journal of Thermal Sciences, 2017, 121, 305-312.	4.9	15
39	Thermal characterization and critical behavior study of $(\text{Pb}_{1-x}\text{Sn}_x)_2\text{P}_2\text{Se}_6$. Ferroelectrics, 2017, 513, 56-61.	0.6	0
40	Anisotropic thermal properties and ferroelectric phase transitions in layered CuInP_2S_6 and $\text{CuInP}_2\text{Se}_6$ crystals. Journal of Physics and Chemistry of Solids, 2017, 111, 324-327.	4.0	19
41	Retrieving the thermal diffusivity and effusivity of solids from the same frequency scan using the front photopyroelectric technique. Measurement Science and Technology, 2017, 28, 105011.	2.6	2
42	Optimizing the Inversion Protocol to Determine the Geometry of Vertical Cracks from Lock-in Vibrothermography. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	16
43	Critical behavior study of NdScSi , NdScGe intermetallic compounds. Journal of Alloys and Compounds, 2017, 723, 559-566.	5.5	12
44	In search of a tricritical Lifshitz point in $\text{Sn}_2\text{P}_2(\text{S}_{1-x}\text{Se}_x)_6$ doped with Pb, Ge: A critical behavior study. Journal of Alloys and Compounds, 2017, 694, 808-814.	5.5	8
45	Electron-phonon anharmonicity and low thermal conductivity in phosphorous chalcogenide ferroelectrics. Materials Express, 2017, 7, 361-368.	0.5	5
46	Critical behavior study of $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ with $x=1/2$. Journal of Alloys and Compounds, 2016, 682, 825-831.	5.5	8
47	Improved thermal effusivity measurements of solids using the photopyroelectric technique in the front configuration. International Journal of Thermal Sciences, 2016, 100, 60-65.	4.9	10
48	Transport Thermal Properties of LiTaO_3 Pyroelectric Sensor from 15 K to 400 K and Its Application to the Study of Critical Behavior in EuCo_2As_2 . International Journal of Thermophysics, 2016, 37, 1.	2.1	6
49	Application of burst vibrothermography to characterize planar vertical cracks. , 2016, , .		0
50	Sizing vertical cracks using burst vibrothermography. NDT and E International, 2016, 84, 36-46.	3.7	19
51	Influence of dopants on the thermal properties and critical behavior of the ferroelectric transition in uniaxial ferroelectric $\text{Sn}_2\text{P}_2\text{S}_6$. Journal of Materials Science, 2016, 51, 8156-8167.	3.7	6
52	Fast Characterization of the Width of Vertical Cracks Using Pulsed Laser Spot Infrared Thermography. Journal of Nondestructive Evaluation, 2016, 35, 1.	2.4	36
53	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.	4.8	12
54	Thermal diffusivity and 3D-XY critical behavior of ferroelectric semiconductors $(\text{Pb}_x\text{Sn}_{1-x})_2\text{P}_2\text{Se}_6$. Journal of Physics and Chemistry of Solids, 2016, 88, 78-84.	4.0	6

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55	Simultaneous measurement of the in-plane and in-depth thermal diffusivity of solids using pulsed infrared thermography with focused illumination. <i>NDT and E International</i> , 2016, 77, 28-34.	3.7	40
56	Characterization of rectangular vertical cracks using burst vibrothermography. <i>Review of Scientific Instruments</i> , 2015, 86, 064903.	1.3	12
57	Defect Characterization from Lock-in Vibrothermography Data. <i>International Journal of Thermophysics</i> , 2015, 36, 1208-1216.	2.1	5
58	Critical behaviour of magnetic transitions in KCoF3 and KNiF3 perovskites. <i>Journal of Alloys and Compounds</i> , 2015, 629, 178-183.	5.5	43
59	Critical Behavior of Magnetic Phase Transitions in R_2CoGa_8 ($R = Tj, ET, Qq$) $1/0.784314$ rgBT / Qve 1081-1085.	2.1	1
60	Advances in Crack Characterization by Lock-In Infrared Thermography. <i>International Journal of Thermophysics</i> , 2015, 36, 1202-1207.	2.1	7
61	Three-dimensional Ising critical behavior in $SrMnO_3$ $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.6 \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.4 \langle \text{mml:mi} \rangle Mn \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle O \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mspace width="0.28em"} \rangle$		

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73	Extending the flash method to measure the thermal diffusivity of semitransparent solids. Measurement Science and Technology, 2014, 25, 035604.	2.6	57
74	Development of a discontinuous finite element method to characterize vertical cracks using lock-in thermography. , 2014, , .		0
75	Characterization of vertical buried defects using lock-in vibrothermography: II. Inverse problem. Measurement Science and Technology, 2013, 24, 065602.	2.6	22
76	Characterization of vertical buried defects using lock-in vibrothermography: I. Direct problem. Measurement Science and Technology, 2013, 24, 065601.	2.6	24
77	Critical behavior of the paramagnetic to antiferromagnetic transition in orthorhombic and hexagonal phases of MnO		

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91	Latent heat evaluation with photopyroelectric calorimetry. Journal of Physics: Conference Series, 2010, 214, 012031.	0.4	1
92	Characterization of delaminations by lock-in vibrothermography. Journal of Physics: Conference Series, 2010, 214, 012079.	0.4	12
93	A thermal paradox: which gets warmer?. European Journal of Physics, 2010, 31, 1053-1059.	0.6	15
94	Accurate reconstruction of the thermal conductivity depth profile in case hardened steel. Journal of Applied Physics, 2010, 107, .	2.5	23
95	Analysis of the Tikhonov regularization to retrieve thermal conductivity depth-profiles from infrared thermography data. Journal of Applied Physics, 2010, 108, 064905.	2.5	11
96	Accurate measurements of the thermal diffusivity of thin filaments by lock-in thermography. Journal of Applied Physics, 2010, 107, 043508.	2.5	19
97	Improved algorithm to reconstruct the thermal conductivity depth profile in hardened steels. , 2010, , .		1
98	Accurate measurements of the thermal diffusivity of thin films and thin filaments using lock-in thermography. , 2010, , .		1
99	Application of vibrothermography to the depth characterization of delaminations. , 2010, , .		0
100	Latent heat at the magnetic transition in CoO. Physical Review B, 2009, 80, .	3.2	13
101	Reconstruction of radial thermal conductivity depth profile in case hardened steel rods. Journal of Applied Physics, 2009, 105, 083517.	2.5	17
102	The strong influence of heat losses on the accurate measurement of thermal diffusivity using lock-in thermography. Applied Physics Letters, 2009, 95, .	3.3	34
103	Thermal diffusivity measurements of thin plates and filaments using lock-in thermography. Review of Scientific Instruments, 2009, 80, 074904.	1.3	70
104	Quantitative study of buried heat sources by lock-in vibrothermography: an approach to crack characterization. Journal Physics D: Applied Physics, 2009, 42, 055502.	2.8	8
105	Thermal properties of the monoclinic KGd(PO ₃) ₄ , , 2009, , .		0
106	Thermal wave scattering by two overlapping and parallel cylinders. Applied Physics A: Materials Science and Processing, 2008, 93, 429-437.	2.3	9
107	Application of the flash method to rods and tubes. European Physical Journal: Special Topics, 2008, 153, 83-86.	2.6	2
108	Propagation of thermal waves in multilayered cylinders using the thermal quadrupole method. European Physical Journal: Special Topics, 2008, 153, 383-386.	2.6	4

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109	Thermal Diffusivity and Critical Behaviour of Uniaxial Ferroelectric Pb5Ge3O11. <i>Ferroelectrics</i> , 2008, 369, 76-84.	0.6	8
110	Critical behavior of CoO and NiO from specific heat, thermal conductivity, and thermal diffusivity measurements. <i>Physical Review B</i> , 2008, 77, .	3.2	41
111	Thermal properties of monoclinic KLu(WO ₄) ₂ as a promising solid state laser host. <i>Optics Express</i> , 2008, 16, 5022.	3.4	47
112	Thermal characterization of rods, tubes and spheres using pulsed infrared thermography. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 015403.	2.8	9
113	Crack characterization in metallic plates using vibrothermography. , 2008, , .		0
114	Characterization of subsurface overlapping cylindrical inclusions by infrared thermography. , 2008, , .		1
115	Critical behavior of the thermal properties of KMnF ₃ . <i>Physical Review B</i> , 2007, 75, .	3.2	27
116	Propagation of thermal waves in multilayered spheres. <i>Journal of Applied Physics</i> , 2007, 101, 103534.	2.5	30
117	Thermal diffusivity and critical behaviour of uniaxial ferroelectric Sn ₂ P ₂ S ₆ . <i>Thermochimica Acta</i> , 2007, 459, 73-79.	2.7	26
118	Thermal diffusivity of rods, tubes, and spheres by the flash method. <i>Journal of Applied Physics</i> , 2006, 99, 066116.	2.5	31
119	Energy propagation of thermal waves. <i>European Journal of Physics</i> , 2006, 27, 1349-1355.	0.6	81
120	Photopyroelectric calorimetry down to 10 K. <i>Measurement Science and Technology</i> , 2006, 17, 3245-3249.	2.6	4
121	Thermal diffusivity and critical behavior of Nd _{1-x} Sr _x MnO ₃ . <i>Physica B: Condensed Matter</i> , 2006, 378-380, 512-514.	2.7	11
122	Application of the thermal quadrupole method to the propagation of thermal waves in multilayered cylinders. <i>Journal of Applied Physics</i> , 2006, 100, 113535.	2.5	40
123	Application of the flash method to rods and tubes. , 2006, , .		0
124	Effective thermal diffusivity of composites by the flash method. <i>European Physical Journal Special Topics</i> , 2005, 125, 515-517.	0.2	0
125	On the piezoelectric contribution to the photopyroelectric signal. <i>Review of Scientific Instruments</i> , 2005, 76, 034901.	1.3	10
126	Degeneracy of the thermal properties of buried structures. <i>Journal of Applied Physics</i> , 2005, 98, 013513.	2.5	3

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127	Characterization of buried cylinders and spheres by pulsed infrared thermography. Journal of Applied Physics, 2005, 98, 103502.	2.5	3
128	Critical behaviour of RMnO ₃ (R = La, Pr, Nd) by thermal diffusivity and specific heat measurements. Journal of Physics Condensed Matter, 2005, 17, 6729-6736.	1.8	21
129	Some issues in the photopyroelectric characterization of solids. European Physical Journal Special Topics, 2005, 125, 289-291.	0.2	0
130	Critical behavior dependence on Sr concentration in La _{1-x} Sr _x MnO ₃ . Journal of Applied Physics, 2004, 95, 7366-7368.	2.5	3
131	Thermal Diffusivity of $\text{Fe}_{0.3}\text{Zn}_{0.4}\text{O}_4$ at the Verwey Transition. IEEE Transactions on Magnetics, 2004, 40, 2820-2822.	2.1	3
132	Thermal Diffusivity of La _{1-x} Sr _x MnO ₃ (x < 0.3). International Journal of Thermophysics, 2004, 25, 1269-1279.	2.1	11
133	Critical behavior of La _{1-x} Sr _x MnO ₃ (0 ≤ x ≤ 0.35) by thermal diffusivity measurements. Physical Review B, 2004, 70, .	3.2	52
134	Thermal wave scattering by spheres. Journal of Applied Physics, 2004, 95, 140-149.	2.5	23
135	On thermal diffusivity. European Journal of Physics, 2003, 24, 351-358.	0.6	170
136	Scattering of cylindrical thermal waves in fiber composites: In-plane thermal diffusivity. Journal of Applied Physics, 2003, 93, 4536-4542.	2.5	20
137	On the influence of the coupling fluid in photopyroelectric measurements. Review of Scientific Instruments, 2003, 74, 825-827.	1.3	46
138	On the effective thermal diffusivity of fiber-reinforced composites. Applied Physics Letters, 2002, 80, 1903-1905.	3.3	22
139	General solution for the thermal wave scattering in fiber composites. Journal of Applied Physics, 2002, 91, 1087-1098.	2.5	22
140	Photoelastic effect and mirage deflection in anisotropic materials. Applied Physics A: Materials Science and Processing, 2002, 74, 47-57.	2.3	2
141	Multiple scattering of thermal waves by a coated subsurface cylindrical inclusion. Journal of Applied Physics, 2001, 89, 5696-5702.	2.5	17
142	Multiple scattering effects of thermal waves by two subsurface cylinders. Journal of Applied Physics, 2000, 87, 2600-2607.	2.5	21
143	On the strong influence of the photoelastic effect in the collinear mirage deflection. Applied Physics Letters, 2000, 76, 2665-2667.	3.3	1
144	Aplicación de las técnicas fototérmicas al estudio de materiales. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2000, 39, 584-588.	1.9	3

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145	Low temperature thermal diffusivity measurements of gases by the mirage technique. Review of Scientific Instruments, 1999, 70, 98-103.	1.3	11
146	Low temperature thermal diffusivity measurements of transparent solids and gases by the mirage technique. , 1999, , .		0
147	Title is missing!. International Journal of Thermophysics, 1998, 19, 625-636.	2.1	4
148	Effective thermal diffusivity of layered materials measured by modulated photothermal techniques. Journal of Applied Physics, 1998, 84, 3031-3041.	2.5	64
149	A study of the photothermal signal produced by a series of subsurface cylinders in opaque materials. Journal of Applied Physics, 1998, 84, 5229-5237.	2.5	7
150	Photothermal study of subsurface cylindrical structures. II. Experimental results. Journal of Applied Physics, 1997, 81, 7561-7566.	2.5	25
151	Photothermal study of subsurface cylindrical structures. I. Theory. Journal of Applied Physics, 1997, 81, 7552-7560.	2.5	19
152	Photothermal characterization of anisotropic materials with buried principal axes. Optical Engineering, 1997, 36, 391.	1.0	6
153	Thermal diffusivity measurements in porous ceramics by photothermal methods. Applied Physics A: Materials Science and Processing, 1997, 65, 15-22.	2.3	25
154	Temperature dependence of the thermal diffusivity of unidirectional composites by the mirage technique. High Temperatures - High Pressures, 1997, 29, 467-472.	0.3	2
155	Thermal diffusivity of anisotropic materials by photothermal methods. Journal of Applied Physics, 1996, 79, 3984.	2.5	35
156	Photothermal characterization of vertical and slanted thermal barriers: A quantitative comparison of mirage, thermorefectance, and infrared radiometry. Journal of Applied Physics, 1996, 80, 2968-2982.	2.5	17
157	Photothermal mirage characterization of vertical interfaces separating two different media. Journal of Applied Physics, 1996, 79, 599.	2.5	5
158	Comments on "On the photothermal method applied to low thermal diffusivity measurements" [Rev. Sci. Instrum. 64, 1576 (1993)]. Review of Scientific Instruments, 1995, 66, 275-276.	1.3	9
159	Novel results on thermal diffusivity measurements on anisotropic materials using photothermal methods. Applied Physics Letters, 1995, 67, 626-628.	3.3	24
160	Thermal diffusivity measurements in opaque solids by the mirage technique in the temperature range from 300 to 1000 K. Journal of Applied Physics, 1994, 76, 1462-1468.	2.5	32
161	Thermal diffusivity measurements using linear relations from photothermal wave experiments. Review of Scientific Instruments, 1994, 65, 2896-2900.	1.3	48
162	Characterization of subsurface cylindrical structures by photothermal wave techniques. European Physical Journal Special Topics, 1994, 04, C7-583-C7-586.	0.2	0

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163	Application of collinear mirage detection for thermal diffusivity measurements of solids at high temperatures. European Physical Journal Special Topics, 1994, 04, C7-303-C7-306.	0.2	0
164	Thermal diffusivity measurements on solids using collinear mirage detection. Journal of Applied Physics, 1993, 74, 1539-1547.	2.5	43
165	Photothermal measurements near a 90° edge. I. Mirage deflection by a free edge. Journal of Applied Physics, 1993, 74, 536-547.	2.5	8
166	Photothermal measurements near a 90° edge. II. Characterization of subsurface rectangular voids and close planar cracks. Journal of Applied Physics, 1993, 74, 548-557.	2.5	6
167	Numerical Analysis of Simultaneous Surface and Subsurface Features in Homogeneous Solids and in Coatings by the Mirage Technique. Springer Series in Optical Sciences, 1992, , 199-201.	0.7	0
168	Thermal diffusivity measurements in solids by the "mirage" technique: Experimental results. Journal of Applied Physics, 1991, 69, 1216-1223.	2.5	109
169	Photothermal detection and characterization of a horizontal buried slab by the mirage technique. Journal of Applied Physics, 1991, 70, 3031-3037.	2.5	15
170	Is the frictional force always opposed to the motion?. Physics Education, 1990, 25, 82-85.	0.5	23
171	Motion of a ball on a rough horizontal surface after being stuck by a tapering rod. European Journal of Physics, 1990, 11, 228-232.	0.6	8
172	Nondestructive Evaluation of a Semi-infinite Buried Slab by Photothermal Deflection. Springer Series in Optical Sciences, 1990, , 95-98.	0.7	0
173	Photothermal Deflection Method for Thermal Diffusivity Measurements: A Thermo-optical Classification of Solids. Springer Series in Optical Sciences, 1990, , 331-333.	0.7	0
174	Theory of thermal diffusivity determination by the "mirage" technique in solids. Journal of Applied Physics, 1989, 65, 4150-4156.	2.5	99
175	Sizing the thermal resistance of vertical cracks using pulsed infrared thermography with laser spot excitation. , 0, , .		1
176	Fast geometrical characterization of vertical cracks using burst vibrothermography. , 0, , .		0
177	Optimization of Total Variation regularization to improve the accuracy of the characterization of vertical cracks by lock-in vibrothermography. , 0, , .		0
178	Infrared thermography with Optical and Ultrasonic Excitation: Promising Tools for the Characterization of Vertical Cracks. , 0, , .		0
179	Characterization of slanted buried planar heat sources using time domain Infrared Thermography. , 0, , .		0
180	Application of the Hill Climbing Algorithm to the Geometrical Reconstruction of Vertical Buried Heat Sources Using Vibrothermography. , 0, , .		0

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181	Measuring the thermal resistance of vertical interfaces separating two different media using lock-in infrared thermography with laser spot excitation. , 0, , .		0