

# Pere Roura Grabulosa

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

2,012  
citations

25  
h-index

36  
g-index

143  
ext. papers

2,193  
ext. citations

3.3  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
141	High Performance of Superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Thick Films Prepared by Single-Deposition Inkjet Printing. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3948-3961	4	2
140	Relevance of the Formation of Intermediate Non-Equilibrium Phases in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Film Growth by Transient Liquid-Assisted Growth. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 15574-15584	3.8	6
139	Preparation of GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> (GdBCO) precursor powder by spray-drying a nitrate solution containing PEG. <i>International Journal of Applied Ceramic Technology</i> , <b>2020</b> , 17, 1752-1760	2	
138	Pyrolysis study of solution-derived superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films: disentangling the physico-chemical transformations. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10266-10282	7.1	4
137	Aqueous Chemical Solution Deposition of Functional Double Perovskite Epitaxial Thin Films. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 9338-9347	4.8	7
136	Thermal decomposition of cerium triethanolamine complexes. <i>Thermochimica Acta</i> , <b>2020</b> , 683, 178430	2.9	5
135	Use of thermal analysis to predict the conditions for thermal explosion to occur: application to a Ce triethanolamine complex. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 2087-2094	4.1	0
134	Application of thermal analysis and kinetic predictions to YBCO films prepared by chemical solution deposition methods. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 142, 2077-2086	4.1	1
133	Using evolved gas analysis [mass spectrometry to characterize adsorption on a nanoparticle surface. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2740-2747	5.1	3
132	Thermal decomposition of CuProp <sub>2</sub> : In-situ analysis of film and powder pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 140, 312-320	6	9
131	Hydrogen evolution in hydrogenated microcrystalline silicon carbide thin films. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2019</b> , 37, 031218	1.3	1
130	Radical and oxidative pathways in the pyrolysis of a barium propionate-acetate salt. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 141, 104640	6	8
129	Effect of triethanolamine on the pyrolysis of metal-propionate-based solutions. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 143, 104685	6	3
128	From Ethanolamine Precursor Towards ZnO-How N Is Released from the Experimental and Theoretical Points of View. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	3
127	Deformation of an inflated bicycle tire when loaded. <i>American Journal of Physics</i> , <b>2019</b> , 87, 102-109	0.7	2
126	Thermal decomposition of yttrium propionate: film and powder. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2018</b> , 133, 225-233	6	17
125	Thermogravimetric measurement of the equilibrium vapour pressure: Application to water and triethanolamine. <i>Thermochimica Acta</i> , <b>2018</b> , 665, 92-101	2.9	6

124	Untangling surface oxygen exchange effects in YBaCuO thin films by electrical conductivity relaxation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14129-14140	3.6	9
123	Model-free isoconversional method applied to polymer crystallization governed by the Hoffman-Lauritzen kinetics. <i>Polymer</i> , <b>2017</b> , 120, 111-118	3.9	4
122	The critical condition for thermal explosion in an isoperibolic system. <i>AIChE Journal</i> , <b>2017</b> , 63, 3979-3993	3.6	7
121	Epitaxial superconducting GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> /Gd <sub>2</sub> O <sub>3</sub> nanocomposite thin films from advanced low-fluorine solutions. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 125010	3.1	23
120	Role of Ethanolamine on the Stability of a Sol-gel ZnO Ink. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23839-23846	3.8	13
119	The critical conditions for thermal explosion in a system heated at a constant rate. <i>Combustion and Flame</i> , <b>2017</b> , 186, 211-219	5.3	18
118	Melting temperature of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> and GdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> at subatmospheric partial pressure. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 692, 787-792	5.7	12
117	Thermal Gradients in Thermal Analysis Experiments. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , <b>2017</b> , 345-362		4
116	Solution design for low-fluorine trifluoroacetate route to YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> films. <i>Superconductor Science and Technology</i> , <b>2016</b> , 29, 024002	3.1	34
115	Isoconversional analysis of copper recrystallization. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 125, 667-672	4.1	11
114	Measuring thermal conductivity of powders with differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 125, 571-577	4.1	15
113	Comparison of the thermal decomposition processes of several aminoalcohol-based ZnO inks with one containing ethanolamine. <i>Applied Surface Science</i> , <b>2016</b> , 381, 48-53	6.7	6
112	Determination of thermal conductivity of powders in different atmospheres by differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 121, 469-473	4.1	8
111	The effect of volatiles on the measurement of the reaction heat by differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 121, 187-194	4.1	5
110	Study of a sol-gel precursor and its evolution towards ZnO. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 162, 645-651	4.4	9
109	Thermal analysis of metal organic precursors for functional oxide preparation: Thin films versus powders. <i>Thermochimica Acta</i> , <b>2015</b> , 601, 1-8	2.9	28
108	Thermal gradients in thermal analysis experiments: Criteria to prevent inaccuracies when determining sample temperature and kinetic parameters. <i>Thermochimica Acta</i> , <b>2014</b> , 589, 37-46	2.9	30
107	Exact analytical solution for the Kissinger equation: Determination of the peak temperature and general properties of thermally activated transformations. <i>Thermochimica Acta</i> , <b>2014</b> , 598, 51-58	2.9	44

106	Measurement of the specific heat and determination of the thermodynamic functions of relaxed amorphous silicon. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 173515	2.5	1
105	Thermoanalytical study of the decomposition of yttrium trifluoroacetate thin films. <i>Thin Solid Films</i> , <b>2013</b> , 545, 200-204	2.2	15
104	Thermal Analysis for Low Temperature Synthesis of Oxide Thin Films from Chemical Solutions. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20133-20138	3.8	37
103	Thermal decomposition of barium trifluoroacetate thin films. <i>Thermochimica Acta</i> , <b>2013</b> , 556, 58-62	2.9	19
102	Synthesis of nanocrystalline ceria thin films by low-temperature thermal decomposition of Ce-propionate. <i>Thin Solid Films</i> , <b>2012</b> , 520, 1949-1953	2.2	27
101	The thermal decomposition of barium trifluoroacetate. <i>Thermochimica Acta</i> , <b>2012</b> , 544, 77-83	2.9	32
100	Evolution of yttrium trifluoroacetate during thermal decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 108, 589-596	4.1	37
99	How energy efficient is your car?. <i>American Journal of Physics</i> , <b>2012</b> , 80, 588-593	0.7	1
98	Isoconversional analysis of solid-state transformations. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 109, 183-191	4.1	22
97	Non-isothermal model-free predictions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 108, 597-603	4.1	14
96	Can the crystallization rate be independent from the crystallization enthalpy? The case of amorphous silicon. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 095401	1.8	2
95	Growth of epitaxial CeO <sub>2</sub> buffer layers by polymer assisted deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1449, 31		7
94	Can We Trust on the Thermal Analysis of Metal Organic Powders for thin film preparation?. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1449, 13		6
93	The configurational energy gap between amorphous and crystalline silicon. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2011</b> , 5, 361-363	2.5	13
92	Isoconversional analysis of solid state transformations. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 105, 757-766	4.1	94
91	Isoconversional analysis of solid state transformations. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 105, 767-773	4.1	40
90	Decomposition processes and structural transformations of cerium propionate into nanocrystalline ceria at different oxygen partial pressures. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 4085-4096	2.3	25
89	Measurement by differential scanning calorimetry of specific heat capacity variation due to crystallization: Application to amorphous silicon. <i>Thermochimica Acta</i> , <b>2011</b> , 522, 161-165	2.9	9

88	Thermoanalytical study of the formation mechanism of yttria from yttrium acetate. <i>Thermochemica Acta</i> , <b>2011</b> , 521, 84-89	2.9	24
87	Towards a more realistic description of swing pumping due to the exchange of angular momentum. <i>European Journal of Physics</i> , <b>2010</b> , 31, 1195-1207	0.8	12
86	Relaxation and derelaxation of pure and hydrogenated amorphous silicon during thermal annealing experiments. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 031918	3.4	9
85	Ene reactions between two alkynes? Doors open to thermally induced cycloisomerization of macrocyclic triynes and enediynes. <i>Chemical Communications</i> , <b>2010</b> , 46, 2944-6	5.8	20
84	A simple kinetic method for the determination of the reaction model from non-isothermal experiments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2010</b> , 102, 615-625	4.1	34
83	Molecular hydrogen diffusion in nanostructured amorphous silicon thin films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	9
82	Comment on "relaxation kinetics of nanoscale indents in a polymer glass". <i>Physical Review Letters</i> , <b>2009</b> , 103, 119801; author reply 119802	7.4	5
81	Analytical solution for the Kissinger equation. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 3095-3098	2.5	31
80	Characterization of amorphous and nanostructured Si films by differential scanning calorimetry. <i>Thin Solid Films</i> , <b>2009</b> , 517, 6239-6242	2.2	4
79	Structural relaxation kinetics for first- and second-order processes: Application to pure amorphous silicon. <i>Acta Materialia</i> , <b>2009</b> , 57, 2098-2107	8.4	16
78	Restricted epitaxial growth of crystallites in hydrogenated nanocrystalline silicon during thermal crystallization experiments. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 3700-7	1.3	1
77	Bernoulli correction to viscous losses: Radial flow between two parallel discs. <i>American Journal of Physics</i> , <b>2008</b> , 76, 730-737	0.7	7
76	Quantification of the bond-angle dispersion by Raman spectroscopy and the strain energy of amorphous silicon. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 073521	2.5	28
75	Solid-phase crystallization under continuous heating: Kinetic and microstructure scaling laws. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 418-426	2.5	9
74	Cell size distribution in a random tessellation of space governed by the Kolmogorov-Johnson-Mehl-Avrami model: Grain size distribution in crystallization. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	28
73	Simple approximate analytical solution for nonisothermal single-step transformations: Kinetic analysis. <i>AIChE Journal</i> , <b>2008</b> , 54, 2145-2154	3.6	23
72	Key Parameters in the Production of Medieval Luster Colors and Shines. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 2245-2254	3.8	26
71	Metallic and nonmetallic shine in luster: An elastic ion backscattering study. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 103518	2.5	16

70	Oxidation of silicon: Further tests for the interfacial silicon emission model. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 054902	2.5	10
69	Grain Size Control by Means of Solid Phase Crystallization of Amorphous Silicon. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 989, 17		3
68	Contact angle in thick capillaries: a derivation based on energy balance. <i>European Journal of Physics</i> , <b>2007</b> , 28, L27-L32	0.8	11
67	Numerical model of solid phase transformations governed by nucleation and growth: Microstructure development during isothermal crystallization. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	46
66	The crystallization temperature of silicon nanoparticles. <i>Nanotechnology</i> , <b>2007</b> , 18, 175705	3.4	14
65	Calorimetry of dehydrogenation and dangling-bond recombination in several hydrogenated amorphous silicon materials. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	19
64	Comment on Dynamics of thermal growth of silicon oxide films on Si. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	5
63	Kinetic study of the oxide-assisted catalyst-free synthesis of silicon nitride nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 1307-1312	1.6	13
62	Modification of the Kolmogorov-Johnson-Mehl-Avrami rate equation for non-isothermal experiments and its analytical solution. <i>Acta Materialia</i> , <b>2006</b> , 54, 5573-5579	8.4	139
61	Luster decoration of ceramics: mechanisms of metallic luster formation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2006</b> , 83, 203-208	2.6	24
60	Thermodynamic derivations of the mechanical equilibrium conditions for fluid surfaces: Young's and Laplace's equations. <i>American Journal of Physics</i> , <b>2005</b> , 73, 1139-1147	0.7	35
59	Analysis of the sensitivity and sample-furnace thermal-lag of a differential thermal analyzer. <i>Thermochimica Acta</i> , <b>2005</b> , 430, 115-122	2.9	15
58	Anomalous crystallization of hydrogenated amorphous silicon during fast heating ramps. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 277-281	2.5	3
57	Si <sub>3</sub> N <sub>4</sub> single-crystal nanowires grown from silicon micro- and nanoparticles near the threshold of passive oxidation. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 192114	3.4	35
56	Thermally Induced Structural Transformations on Polymorphous Silicon. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 2562-2567	2.5	4
55	Passive-Oxidation Kinetics of SiC Microparticles. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1301-1305	3.8	28
54	Gas renewal in the horizontal furnace of a thermobalance. <i>Thermochimica Acta</i> , <b>2004</b> , 412, 113-119	2.9	2
53	Local thermodynamic derivation of Young's equation. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 272, 420-9	9.3	66

52	Crystallization kinetics of hydrogenated amorphous silicon thick films grown by plasma-enhanced chemical vapour deposition. <i>Applied Surface Science</i> , <b>2004</b> , 238, 165-168	6.7	17
51	Si-N nanowire formation from Silicon nano and microparticles.. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 789, 18		
50	Estudio sobre la resistencia química de baldosas cerámicas no-esmaltadas para pavimentos industriales. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , <b>2003</b> , 42, 85-88	1.9	2
49	Is sintering enhanced under non-isothermal conditions?. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2002</b> , 337, 248-253	5.3	12
48	Calorimetry of hydrogen desorption from a-Si nanoparticles. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	15
47	Radiative thermal emission from silicon nanoparticles: a reversed story from quantum to classical theory. <i>European Journal of Physics</i> , <b>2002</b> , 23, 191-203	0.8	27
46	Comment on Effects of the Surface Roughness on Sliding Angles of Water Droplets on Superhydrophobic Surfaces <i>Langmuir</i> , <b>2002</b> , 18, 566-569	4	55
45	Enhancement of oxidation rate of a-Si nanoparticles during dehydrogenation. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 3705-3707	3.4	16
44	Equilibrium of drops on inclined hydrophilic surfaces. <i>Physical Review E</i> , <b>2001</b> , 64, 011601	2.4	26
43	Mechanical properties of nanometric structures of Si/SiC, C/SiC and C/SiN produced by PECVD. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 1115-1120	3.5	15
42	Thermal oxidation of polymer-like amorphous Si <sub>x</sub> C <sub>y</sub> H <sub>w</sub> O <sub>z</sub> nanoparticles. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 1295-1299	3.5	5
41	Thermal Stabilization and Crystallization of Nanometric Particles of Si-C-N Produced by RF-Plasma Enhanced Chemical-Vapor-Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 609, 2451		1
40	Surface analysis of nanostructured ceramic coatings containing silicon carbide nanoparticles produced by plasma modulation chemical vapour deposition. <i>Thin Solid Films</i> , <b>2000</b> , 377-378, 495-500	2.2	11
39	How long does it take to boil an egg? A simple approach to the energy transfer equation. <i>European Journal of Physics</i> , <b>2000</b> , 21, 95-100	0.8	16
38	A Comparison Between Information-Theoretic and Phenomenological Descriptions of Nonequilibrium Radiation. <i>Journal of Statistical Physics</i> , <b>1999</b> , 97, 941-955	1.5	2
37	High nucleation rate in pure SiC nanometric powder by a combination of room temperature plasmas and post-thermal treatments. <i>Diamond and Related Materials</i> , <b>1999</b> , 8, 364-368	3.5	6
36	Blackbody emission under laser excitation of silicon nanopowder produced by plasma-enhanced chemical-vapor deposition. <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7879-7885	2.5	40
35	Black-body emission from nanostructured materials. <i>Journal of Luminescence</i> , <b>1998</b> , 80, 519-522	3.8	18

34	Optical spectroscopy of Ho <sup>3+</sup> and Tm <sup>3+</sup> ions in KTiOPO <sub>4</sub> single crystals. <i>Optical Materials</i> , <b>1998</b> , 10, 29-37	3.7	9
33	Effects of uniaxial stress on the absorption lines of and the nature of the Jahn-Teller coupling. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 3367-3386	1.8	3
32	Deposition of Nanostructured Silicon Thin Films by Means of the Selective Contribution of Particles in PECVD. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 507, 499		14
31	Thermal Desorption of Hydrogen in Si and SiC Nanoparticles Produced by Plasma-Enhanced Chemical-Vapor Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 513, 427		3
30	Gas collisions and pressure quenching of the photoluminescence of silicon nanopowder grown by plasma-enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 3290-3293	2.5	2
29	Calorimetric Study of the Thermal Induced Transformations of Ultrafine Silicon Carbide Powder Produced by RF Glow Discharge. <i>Key Engineering Materials</i> , <b>1997</b> , 132-136, 145-148	0.4	1
28	Atomic diffusion induced by stress relaxation in InGaAs/GaAs epitaxial layers. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 1147-1152	2.5	8
27	Determination of the direct band-gap energy of InAlAs matched to InP by photoluminescence excitation spectroscopy. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 6916-6920	2.5	13
26	Quantification by optical absorption of the coarse modulation observed by transmission electron microscopy in InGaAs layers grown on InP(100). <i>Semiconductor Science and Technology</i> , <b>1996</b> , 11, 1310-1316	1.8	7
25	Structural analysis of InGaAs tensile layers on InP. <i>Materials Science and Technology</i> , <b>1996</b> , 12, 190-192	1.5	5
24	On the structural origin of the photoluminescence in silicon powder produced in PECVD processes. <i>Thin Solid Films</i> , <b>1996</b> , 276, 96-99	2.2	3
23	Pressure dependence of photoluminescence in amorphous silicon nanopowder produced by plasma enhanced chemical vapour deposition. <i>Materials Science and Technology</i> , <b>1995</b> , 11, 707-710	1.5	3
22	Analysis by optical absorption and transmission electron microscopy of the strain inhomogeneities in InGaAs/InP strained layers. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 4018-4020	2.5	2
21	Pressure influence on the decay of the photoluminescence in Si nanopowder grown by plasma-enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 2830-2832	3.4	5
20	Strain, alloy composition, and lattice relaxation measured by optical-absorption spectroscopy. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 3393-3398	2.5	6
19	Electron capture and emission by the Ti acceptor level in GaP. <i>Journal of Applied Physics</i> , <b>1995</b> , 78, 2441-2446	3.4	1
18	On The Origin of The Coarse and Fine Contrast Modulation in Epitaxial InGaAs Strained Layers Grown On InP Substrates.. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 379, 159		1
17	Photoluminescence in silicon powder grown by plasma-enhanced chemical-vapor deposition: Evidence of a multistep-multiphoton excitation process. <i>Physical Review B</i> , <b>1994</b> , 50, 18124-18133	3.3	14



16	Unusual photoluminescence properties in amorphous silicon nanopowder produced by plasma enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 463-465	3-4	24
15	IR-Visible Photoluminescence Study of Nanometer-Size Amorphous Silicon Powder Produced by Square-Wave-Modulated RF Glow Discharge. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 351, 405		1
14	Frequency-Resolved Admittance Measurements on InAlAs / InGaAs / InAlAs Single-Quantum Wells to Determine the Conduction Band Offset and the Capture Coefficient. <i>Journal of the Electrochemical Society</i> , <b>1993</b> , 140, 1492-1495	3-9	7
13	Time-resolved measurements on $2T_2 \rightarrow 2E$ photoluminescence of $Ti^{3+}$ in GaP. <i>Physical Review B</i> , <b>1992</b> , 45, 11698-11701	3-3	6
12	Composition modulation and inhomogeneous strain field in $In_xGa_{1-x}As/InP$ strained layers. <i>Physical Review B</i> , <b>1992</b> , 46, 10453-10456	3-3	5
11	Electro-Optical Studies of Vanadium in GaP by Space Charge Spectroscopies. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 261, 229		1
10	Near Bandgap Optical Absorption Measurements on InGaAs/InP Strained Layers with Coarse Structure. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 263, 353		
9	Complete identification of the Ti-related levels in GaP. <i>Applied Surface Science</i> , <b>1991</b> , 50, 496-499	6-7	1
8	Identification of the Ti donor level in GaP. <i>Semiconductor Science and Technology</i> , <b>1991</b> , 6, 85-88	1-8	7
7	Photoluminescence excitation spectroscopy of $Ti^{3+}$ in GaP. <i>Semiconductor Science and Technology</i> , <b>1991</b> , 6, 36-40	1-8	12
6	The general relaxation time distribution of a logarithmic capacitance transient. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 3529-3530	2-5	3
5	A study of the $3T_2$ to $3A_2$ photoluminescence of $Ti^{2+}$ in GaP. <i>Semiconductor Science and Technology</i> , <b>1989</b> , 4, 943-946	1-8	7
4	Hopping Process in Majority Carrier Capture of Deep Centers in Semiconductors. <i>Physica Scripta</i> , <b>1987</b> , 35, 717-720	2-6	
3	Identification of the titanium-related levels in GaP. <i>Applied Physics Letters</i> , <b>1987</b> , 51, 1696-1698	3-4	17
2	Boron implantation effects on Au: GaAs Schottky barrier. <i>Vacuum</i> , <b>1987</b> , 37, 415-417	3-7	
1	Photoluminescence Measurements in Small Grain Size Polycrystalline $Zn_3P_2$ . <i>Physica Status Solidi A</i> , <b>1986</b> , 94, K47-K50		5