

# Giancarlo Salviati

## List of Publications by Year in descending order

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314  
papers

7,394  
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47006

47  
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88630

70  
g-index

319  
all docs

319  
docs citations

319  
times ranked

7495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol 1,4,5-trisphosphate induces calcium release from sarcoplasmic reticulum of skeletal muscle. <i>Nature</i> , 1985, 316, 347-349.	27.8	273
2	Ageing alters the myosin heavy chain composition of single fibres from human skeletal muscle. <i>Acta Physiologica Scandinavica</i> , 1990, 140, 55-62.	2.2	180
3	Zn vacancy induced green luminescence on non-polar surfaces in ZnO nanostructures. <i>Scientific Reports</i> , 2014, 4, 5158.	3.3	144
4	Ca <sup>2+</sup> release from sarcoplasmic reticulum of skinned fast- and slow-twitch muscle fibers. <i>American Journal of Physiology - Cell Physiology</i> , 1988, 254, C459-C465.	4.6	135
5	Polymorphism of myofibrillar proteins of rabbit skeletal-muscle fibres. An electrophoretic study of single fibres. <i>Biochemical Journal</i> , 1982, 207, 261-272.	3.7	122
6	On the mechanisms of strain release in molecular beam epitaxy grown In <sub>x</sub> Ga <sub>1-x</sub> As/GaAs single heterostructures. <i>Journal of Applied Physics</i> , 1989, 66, 1975-1983.	2.5	119
7	InAs/InSb nanowire heterostructures grown by chemical beam epitaxy. <i>Nanotechnology</i> , 2009, 20, 505605.	2.6	119
8	MnO <sub>x</sub> -decorated carbonized porous silicon nanowire electrodes for high performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1505-1516.	30.8	109
9	Effects of age on calcium transport activity of sarcoplasmic reticulum in fast- and slow-twitch rat muscle fibres. <i>Journal of Physiology</i> , 1989, 419, 253-264.	2.9	105
10	Myosin heavy chain composition of single fibres from normal human muscle. <i>Biochemical Journal</i> , 1988, 250, 307-308.	3.7	101
11	Contractile properties and Ca <sup>2+</sup> release activity of the sarcoplasmic reticulum in dilated cardiomyopathy. <i>Circulation</i> , 1992, 85, 518-525.	1.6	101
12	The effects of sphingosine on sarcoplasmic reticulum membrane calcium release. <i>Journal of Biological Chemistry</i> , 1992, 267, 15475-15484.	3.4	97
13	Selective Ultrathin Carbon Sheath on Porous Silicon Nanowires: Materials for Extremely High Energy Density Planar Micro-Supercapacitors. <i>Nano Letters</i> , 2014, 14, 1843-1847.	9.1	96
14	Doxorubicin induces calcium release from terminal cisternae of skeletal muscle. A study on isolated sarcoplasmic reticulum and chemically skinned fibers. <i>Journal of Biological Chemistry</i> , 1985, 260, 7349-7355.	3.4	94
15	Tubular aggregates: Sarcoplasmic reticulum origin, calcium storage ability, and functional implications. <i>Muscle and Nerve</i> , 1985, 8, 299-306.	2.2	90
16	Strain relaxation in graded composition In <sub>x</sub> Ga <sub>1-x</sub> As/GaAs buffer layers. <i>Journal of Applied Physics</i> , 1999, 86, 4748-4755.	2.5	89
17	Influence of short-term low current dc aging on the electrical and optical properties of InGaN blue light-emitting diodes. <i>Journal of Applied Physics</i> , 2006, 99, 053104.	2.5	84
18	Synthesis of fast myosin induced by fast ectopic innervation of rat soleus muscle is restricted to the ectopic endplate region. <i>Nature</i> , 1986, 322, 637-639.	27.8	83

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19	Cathodoluminescence and Transmission Electron Microscopy Study of the Influence of Crystal Defects on Optical Transitions in GaN. <i>Physica Status Solidi A</i> , 1999, 171, 325-339.	1.7	83
20	Myofibrillar-protein isoforms and sarcoplasmic-reticulum Ca <sup>2+</sup> -transport activity of single human muscle fibres. <i>Biochemical Journal</i> , 1984, 224, 215-225.	3.7	81
21	Low-temperature In <sub>2</sub> O <sub>3</sub> nanowire luminescence properties as a function of oxidizing thermal treatments. <i>Nanotechnology</i> , 2007, 18, 355707.	2.6	78
22	Calcium accumulation by the sarcoplasmic reticulum in two populations of chemically skinned human muscle fibers. Effects of calcium and cyclic AMP.. <i>Journal of General Physiology</i> , 1982, 79, 603-632.	1.9	75
23	Structural and optical study of SnO <sub>2</sub> nanobelts and nanowires. <i>Materials Science and Engineering C</i> , 2005, 25, 625-630.	7.3	75
24	Effects of thyroid hormone on fast and slow twitch skeletal muscles in young and old rats.. <i>Journal of Physiology</i> , 1994, 481, 149-161.	2.9	74
25	Early biochemical consequences of denervation in fast and slow skeletal muscles and their relationship to neural control over muscle differentiation. <i>Biochemical Journal</i> , 1972, 126, 1099-1110.	3.1	72
26	Ecto-ATPase Activity of $\alpha$ -Sarcoglycan (Adhalin). <i>Journal of Biological Chemistry</i> , 1999, 274, 7907-7912.	3.4	71
27	Morphological, structural and optical study of quasi-1D SnO <sub>2</sub> nanowires and nanobelts. <i>Crystal Research and Technology</i> , 2005, 40, 937-941.	1.3	69
28	Efficiency Improvement of DSSC Photoanode by Scandium Doping of Mesoporous Titania Beads. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25276-25289.	3.1	69
29	Decoration of graphene with nickel nanoparticles: study of the interaction with hydrogen. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1039-1046.	10.3	67
30	Porphyrin conjugated SiC/SiO <sub>x</sub> nanowires for X-ray-excited photodynamic therapy. <i>Scientific Reports</i> , 2015, 5, 7606.	3.3	64
31	On the formation of antiphase domains in the system of GaAs on Ge. <i>Journal of Crystal Growth</i> , 1996, 163, 195-202.	1.5	61
32	Cathodoluminescence characterization of dislocations in gallium nitride using a transmission electron microscope. <i>Journal of Applied Physics</i> , 2003, 94, 4315-4319.	2.5	60
33	Optical evidence of an electrothermal degradation of InGaN-based light-emitting diodes during electrical stress. <i>Applied Physics Letters</i> , 2004, 84, 3403-3405.	3.3	60
34	Novel near-infrared emission from crystal defects in MoS <sub>2</sub> multilayer flakes. <i>Nature Communications</i> , 2016, 7, 13044.	12.8	60
35	Self-aggregation of quantum dots for very thin InAs layers grown on GaAs. <i>Physical Review B</i> , 1996, 53, R4213-R4216.	3.2	58
36	Macroalgae to nanoparticles: Study of <i>Ulva lactuca</i> L. role in biosynthesis of gold and silver nanoparticles and of their cytotoxicity on colon cancer cell lines. <i>Materials Science and Engineering C</i> , 2019, 97, 498-509.	7.3	57

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37	Polymorphism of sarcoplasmic-reticulum adenosine triphosphatase of rabbit skeletal muscle. <i>Biochemical Journal</i> , 1981, 197, 245-248.	3.7	55
38	Cell fractionation studies indicate that dystrophin is a protein of surface membranes of skeletal muscle. <i>Biochemical Journal</i> , 1989, 258, 837-841.	3.7	55
39	Continuously graded buffers for structures grown on GaAs. <i>Journal of Crystal Growth</i> , 1997, 175-176, 1009-1015.	1.5	52
40	Role of inositol 1,4,5-trisphosphate in excitation-contraction coupling in skeletal muscle. <i>FEBS Letters</i> , 1986, 197, 1-4.	2.8	51
41	In-Plane Bandgap Engineering by Modulated Hydrogenation of Dilute Nitride Semiconductors. <i>Advanced Materials</i> , 2006, 18, 1993-1997.	21.0	51
42	Electronic properties of CuPc and H2Pc: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12864.	2.8	51
43	Magnetic and morphological study of BaZn <sub>2</sub> Fe <sub>16</sub> O <sub>27</sub> hexagonal ferrite prepared by chemical coprecipitation method. <i>Journal of Applied Physics</i> , 1986, 59, 2114-2118.	2.5	50
44	On the sublattice location of GaAs grown on Ge. <i>Journal of Applied Physics</i> , 1994, 76, 5748-5753.	2.5	50
45	Unpredicted Nucleation of Extended Zinc Blende Phases in Wurtzite ZnO Nanotetrapod Arms. <i>ACS Nano</i> , 2009, 3, 3158-3164.	14.6	49
46	Faceting of InAs <sup>~</sup> InSb Heterostructured Nanowires. <i>Crystal Growth and Design</i> , 2010, 10, 4038-4042.	3.0	49
47	Is a guanine nucleotide-binding protein involved in excitation-contraction coupling in skeletal muscle?. <i>EMBO Journal</i> , 1986, 5, 259-262.	7.8	48
48	Calcium-gated calcium channels in sarcoplasmic reticulum of rabbit skinned skeletal muscle fibers.. <i>Journal of General Physiology</i> , 1986, 87, 289-303.	1.9	48
49	Growth of InAs/InAsSb heterostructured nanowires. <i>Nanotechnology</i> , 2012, 23, 115606.	2.6	48
50	Familial neuromuscular disease with tubular aggregates. <i>Muscle and Nerve</i> , 1985, 8, 291-298.	2.2	46
51	Visible and Infra-red Light Emission in Boron-Doped Wurtzite Silicon Nanowires. <i>Scientific Reports</i> , 2014, 4, 3603.	3.3	46
52	PEDOT:PSS Interfaces Support the Development of Neuronal Synaptic Networks with Reduced Neuroglia Response In vitro. <i>Frontiers in Neuroscience</i> , 2015, 9, 521.	2.8	45
53	Dystrophin is phosphorylated by endogenous protein kinases. <i>Biochemical Journal</i> , 1993, 293, 243-247.	3.7	44
54	Surface Functionalization of Nanostructured Fe <sub>2</sub> O <sub>3</sub> Polymorphs: From Design to Light-Activated Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7130-7138.	8.0	44

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55	Cytocompatibility and Cellular Internalization Mechanisms of SiC/SiO <sub>2</sub> Nanowires. Nano Letters, 2014, 14, 4368-4375.	9.1	44
56	Denervation-induced proliferative changes of triads in rabbit skeletal muscle. Muscle and Nerve, 1988, 11, 1246-1259.	2.2	43
57	Nucleation and growth of SnO <sub>2</sub> nanowires. Journal of Crystal Growth, 2005, 275, e2083-e2087.	1.5	43
58	Luminescence Related to Stacking Faults in Heteroepitaxially Grown Wurtzite GaN. Materials Research Society Symposia Proceedings, 1997, 468, 293.	0.1	42
59	Extensive analysis of the luminescence properties of AlGaIn/GaN high electron mobility transistors. Applied Physics Letters, 2010, 97, 063508.	3.3	42
60	Neural Control on the Activity of the Calcium-transport System in Sarcoplasmic Reticulum of Rat Skeletal Muscle. Nature, 1973, 241, 285-286.	27.8	41
61	Antiphase disorder in GaAs/Ge heterostructures for solar cells. Micron, 2000, 31, 217-222.	2.2	41
62	Influence of the fluorine doping on the optical properties of CdS thin films for photovoltaic applications. Thin Solid Films, 2006, 511-512, 448-452.	1.8	41
63	The critical role of intragap states in the energy transfer from gold nanoparticles to TiO <sub>2</sub> . Physical Chemistry Chemical Physics, 2015, 17, 4864-4869.	2.8	41
64	A study of the CdTe treatment with a Freon gas such as CHF <sub>2</sub> Cl. Thin Solid Films, 2008, 516, 7079-7083.	1.8	40
65	Correlation between kink and cathodoluminescence spectra in AlGaIn/GaN high electron mobility transistors. Applied Physics Letters, 2010, 96, .	3.3	40
66	Structural and optical investigation of InAs <sub>x</sub> P <sub>1-x</sub> /InP strained superlattices. Journal of Applied Physics, 1998, 83, 1058-1077.	2.5	39
67	Polymorphism of myosin light chains. An electrophoretic and immunological study of rabbit skeletal-muscle myosins. Biochemical Journal, 1982, 203, 529-540.	3.7	38
68	Morphological and functional characterization of the endosarcomeric elastic filament. American Journal of Physiology - Cell Physiology, 1990, 259, C144-C149.	4.6	38
69	Phosphorylation of Dystrophin: Effects on Actin Binding. Biochemical and Biophysical Research Communications, 1995, 206, 57-63.	2.1	38
70	Biochemical heterogeneity of skeletal-muscle microsomal membranes. Membrane origin, membrane specificity and fibre types. Biochemical Journal, 1982, 202, 289-301.	3.1	37
71	Enhancement of the core near-band-edge emission induced by an amorphous shell in coaxial one-dimensional nanostructure: the case of SiC/SiO <sub>2</sub> core/shell self-organized nanowires. Nanotechnology, 2010, 21, 345702.	2.6	37
72	Synthesis and characterization of 3C-SiC nanowires. Journal of Non-Crystalline Solids, 2008, 354, 5227-5229.	3.1	36

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73	Growth and Characterization of 3C-SiC Films for Micro Electro Mechanical Systems (MEMS) Applications. <i>Crystal Growth and Design</i> , 2009, 9, 4852-4859.	3.0	36
74	SiC Nanostructures Toward Biomedical Applications and Its Future Challenges. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 430-446.	12.3	36
75	A technique for studies of the contractile apparatus in single human muscle fibre segments obtained by percutaneous biopsy. <i>Acta Physiologica Scandinavica</i> , 1992, 146, 485-495.	2.2	35
76	Luminescence of GaAs/AlGaAs core-shell nanowires grown by MOVPE using tertiarybutylarsine. <i>Journal of Crystal Growth</i> , 2008, 310, 5114-5118.	1.5	35
77	Conductive processes in transparent WO <sub>3</sub> films irradiated with ultraviolet light. <i>Thin Solid Films</i> , 1981, 79, 161-166.	1.8	34
78	A study of microdefects in n-type doped GaAs crystals using Cathodoluminescence and x-ray techniques. <i>Journal of Crystal Growth</i> , 1985, 72, 717-725.	1.5	34
79	Luminescence properties of SiC/SiO <sub>2</sub> core-shell nanowires with different radial structure. <i>Materials Letters</i> , 2012, 71, 137-140.	2.6	34
80	Co-localization of the dihydropyridine receptor and the cyclic AMP-binding subunit of an intrinsic protein kinase to the junctional membrane of the transverse tubules of skeletal muscle. <i>Biochemical Journal</i> , 1990, 267, 679-687.	3.7	33
81	Thyroid hormone effects on contractility and myosin composition of soleus muscle and single fibres from young and old rats. <i>Journal of Physiology</i> , 1996, 494, 555-567.	2.9	32
82	Preparing the Way for Doping Wurtzite Silicon Nanowires while Retaining the Phase. <i>Nano Letters</i> , 2013, 13, 5900-5906.	9.1	32
83	The effect of the growth rate on the low pressure metalorganic vapour phase epitaxy of GaAs/Ge heterostructures. <i>Journal of Crystal Growth</i> , 1992, 125, 440-448.	1.5	31
84	Vertical coupling and transition energies in multilayer InAs/GaAs quantum-dot structures. <i>Physical Review B</i> , 2000, 62, 10220-10225.	3.2	30
85	Epitaxy of Nanocrystalline Silicon Carbide on Si(111) at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 17400-17403.	13.7	30
86	Optical and structural properties of Zn <sub>1-x</sub> Mg <sub>x</sub> O ceramic materials. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1501-1509.	2.3	29
87	A cytotoxicity study of silicon oxycarbide nanowires as cell scaffold for biomedical applications. <i>Materials Science and Engineering C</i> , 2017, 73, 465-471.	7.3	29
88	Misfit dislocations in InGaAs/InP mbe single heterostructures. <i>Journal of Crystal Growth</i> , 1986, 75, 521-534.	1.5	27
89	Self-aggregated InAs quantum dots in GaAs. <i>Journal of Applied Physics</i> , 1998, 83, 5529-5535.	2.5	27
90	Tuning the radial structure of core-shell silicon carbide nanowires. <i>CrystEngComm</i> , 2015, 17, 1258-1263.	2.6	27

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91	Nanoscale mapping of plasmon and exciton in ZnO tetrapods coupled with Au nanoparticles. <i>Scientific Reports</i> , 2016, 6, 19168.	3.3	27
92	Effects of thyroid hormones on the biochemical specialization of human muscle fibers. <i>Muscle and Nerve</i> , 1985, 8, 363-371.	2.2	26
93	Growth of SiC NWs by vapor phase technique using Fe as catalyst. <i>Materials Letters</i> , 2014, 124, 169-172.	2.6	26
94	Magnetic and morphological characterization of SrMe/sub 2/-W and SrZn-X hexaferrites prepared by chemical coprecipitation method. <i>IEEE Transactions on Magnetics</i> , 1988, 24, 1850-1852.	2.1	25
95	Microstructure, growth mechanisms and electro-optical properties of heteroepitaxial GaN layers on sapphire (0001) substrates. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 1996, 1, 1.	1.0	25
96	Degradation of InGaN/GaN laser diodes investigated by micro-cathodoluminescence and micro-photoluminescence. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	25
97	Effects of age on sarcoplasmic reticulum properties and histochemical composition of fast twitch rat muscles. <i>Acta Physiologica Scandinavica</i> , 1995, 154, 59-64.	2.2	24
98	Transitions in membrane composition during postnatal development of rabbit fast muscle. <i>Journal of Muscle Research and Cell Motility</i> , 1982, 3, 213-230.	2.0	23
99	Fast to slow transition induced by experimental myotonia in rat EDL muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 1986, 406, 266-272.	2.8	23
100	Structural characterization of InGaAs/InP heterostructures grown under compressive and tensile stress. <i>Applied Surface Science</i> , 2002, 188, 36-48.	6.1	23
101	Optical and structural characterization of self-organized stacked GaN/AlN quantum dots. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S115-S126.	1.8	23
102	Solid solutions and phase transitions in (Ca,M2+)M2+Si2O6 pyroxenes (M2+ = Co, Fe, Mg). <i>American Mineralogist</i> , 2014, 99, 704-711.	1.9	23
103	Osteoblasts preferentially adhere to peaks on micro-structured titanium. <i>Dental Materials Journal</i> , 2018, 37, 278-285.	1.8	23
104	Cracks in InP-based heterostructures. <i>Journal of Crystal Growth</i> , 1988, 88, 135-142.	1.5	22
105	The effects of roughness and composition variation at the InP/InGaAs and InGaAs/InP interfaces on CBE grown quantum wells. <i>Journal of Crystal Growth</i> , 1993, 127, 189-193.	1.5	22
106	Chapter 17 Molecular Diversity of Myofibrillar Proteins: Isoforms Analysis at the Protein and mRNA Level. <i>Methods in Cell Biology</i> , 1997, 52, 349-369.	1.1	22
107	Role of thermal treatment on the luminescence properties of CdTe thin films for photovoltaic applications. <i>Thin Solid Films</i> , 2007, 515, 6184-6187.	1.8	22
108	A new growth method for the synthesis of 3C-SiC nanowires. <i>Materials Letters</i> , 2009, 63, 2581-2583.	2.6	22

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109	Quantitative Nanoscale Absorption Mapping: A Novel Technique To Probe Optical Absorption of Two-Dimensional Materials. <i>Nano Letters</i> , 2020, 20, 567-576.	9.1	22
110	Increased expression of dystrophin, $\beta$ -dystroglycan and adhalin in denervated rat muscles. <i>Journal of Muscle Research and Cell Motility</i> , 1996, 17, 523-532.	2.0	21
111	Pd-Assisted Growth of InAs Nanowires. <i>Crystal Growth and Design</i> , 2010, 10, 4197-4202.	3.0	21
112	InAs/InP/InSb Nanowires as Low Capacitance $n$ - $n$ Heterojunction Diodes. <i>Physical Review X</i> , 2011, 1, .	8.9	21
113	CeF <sub>3</sub> -ZnO scintillating nanocomposite for self-lighted photodynamic therapy of cancer. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 159.	3.6	21
114	Cathodoluminescence spectroscopy of single SnO <sub>2</sub> nanowires and nanobelts. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 2963-2970.	1.8	20
115	Influence of organic promoter gradient on the MoS <sub>2</sub> growth dynamics. <i>Nanoscale Advances</i> , 2020, 2, 2352-2362.	4.6	20
116	Developmental patterns of LDH isozymes in fast and slow muscles of the rat. <i>Archives of Biochemistry and Biophysics</i> , 1970, 141, 374-377.	3.0	19
117	Coexistence of Vapor-Liquid-Solid and Vapor-Solid-Solid Growth Modes in Pd-Assisted InAs Nanowires. <i>Small</i> , 2010, 6, 1935-1941.	10.0	19
118	Optical properties of hybrid T <sub>3</sub> Pyr/SiO <sub>2</sub> /3C-SiC nanowires. <i>Nanoscale Research Letters</i> , 2012, 7, 680.	5.7	19
119	Structural, optical and compositional stability of MoS <sub>2</sub> multi-layer flakes under high dose electron beam irradiation. <i>2D Materials</i> , 2016, 3, 025024.	4.4	19
120	Caffeine sensitivity of sarcoplasmic reticulum of fast and slow fibers from normal and malignant hyperthermia human muscle. <i>Muscle and Nerve</i> , 1989, 12, 365-370.	2.2	18
121	Cold field electron emission of large-area arrays of SiC nanowires: photo-enhancement and saturation effects. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8226-8234.	5.5	18
122	Evidence for the presence of the stearyl-CoA desaturase system in the sarcoplasmic reticulum of rabbit slow muscle. <i>Lipids and Lipid Metabolism</i> , 1979, 574, 280-289.	2.6	17
123	Ultrathin InAlN/GaN heterostructures on sapphire for high on/off current ratio high electron mobility transistors. <i>Journal of Applied Physics</i> , 2013, 113, 214503.	2.5	17
124	Is a guanine nucleotide-binding protein involved in excitation-contraction coupling in skeletal muscle?. <i>EMBO Journal</i> , 1986, 5, 259-62.	7.8	17
125	Spinal transection and the postnatal differentiation of slow myosin isoenzymes. <i>Muscle and Nerve</i> , 1980, 3, 483-486.	2.2	16
126	Effect of interlayer strain interaction on the island composition and ordering in Ge/Si(001) island superlattices. <i>Journal of Applied Physics</i> , 2007, 102, 043518.	2.5	16



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127	Carbon-doped SiO <sub>2</sub> nanowires with a large yield of white emission. Nanotechnology, 2014, 25, 185704.	2.6	16
128	Lorentz microscopy sheds light on the role of dipolar interactions in magnetic hyperthermia. Nanoscale, 2015, 7, 7717-7725.	5.6	16
129	AC conductivity and structural properties of Mg-doped ZnO ceramic. Applied Physics A: Materials Science and Processing, 2015, 121, 625-634.	2.3	16
130	S-induced modifications of the optoelectronic properties of ZnO mesoporous nanobelts. Scientific Reports, 2016, 6, 27948.	3.3	16
131	Electron transport in sarcoplasmic reticulum of fast and slow muscles. Archives of Biochemistry and Biophysics, 1971, 144, 768-772.	3.0	15
132	N- and p-type CuInSe <sub>2</sub> thin films deposited by the flash evaporation. Thin Solid Films, 1983, 104, L75-L78.	1.8	15
133	Large grain growth, morphological and electrical characterization of CuInSe <sub>2</sub> sintered compounds. Journal of Crystal Growth, 1983, 65, 270-277.	1.5	15
134	Influence of surface morphology on ordered GaInP structures. Applied Physics Letters, 1996, 68, 3263-3265.	3.3	15
135	Microstructure and growth morphology as related to electro-optical properties of heteroepitaxial wurtzite GaN on sapphire (0001) substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 43, 296-302.	3.5	15
136	Electrical and optical characterization of Er-doped silicon grown by liquid phase epitaxy. Journal of Applied Physics, 1999, 85, 1582-1586.	2.5	15
137	On the location of the misfit dislocations in InGaAs/InP mbe single heterostructures. Materials Letters, 1985, 3, 425-428.	2.6	14
138	Ca <sup>2+</sup> channel agonist BAY-k 8644 does not elicit Ca <sup>2+</sup> release from skeletal muscle sarcoplasmic reticulum. FEBS Letters, 1985, 186, 255-258.	2.8	14
139	Local structural investigation of buried InAs <sub>x</sub> P <sub>1-x</sub> /InP interfaces. Journal of Applied Physics, 1994, 76, 4581-4586.	2.5	14
140	Structural properties of GaAs/Ge heterostructures as a function of growth conditions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1994, 28, 502-506.	3.5	14
141	Growth parameter optimization of short period ( < 50 Å...) InGaAs/InP short period superlattices by chemical beam epitaxy for photonic devices. Journal of Crystal Growth, 1994, 136, 293-296.	1.5	14
142	Properties and structure of antiphase boundaries in GaAs/Ge solar cells. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 42, 204-207.	3.5	14
143	Selective ion-channeling study of misfit dislocation grids in semiconductor heterostructures: Theory and experiments. Physical Review B, 1997, 56, 6895-6910.	3.2	14
144	Characterization of GaN-based metal-semiconductor field-effect transistors by comparing electroluminescence, photoionization, and cathodoluminescence spectroscopies. Journal of Applied Physics, 2002, 92, 2401-2405.	2.5	14

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145	Depth-resolved cathodoluminescence spectroscopy of silicon supersaturated with sulfur. Applied Physics Letters, 2013, 102, .	3.3	14
146	Molecular and antigenic properties of cytochrome <i>c</i> from slow-muscle sarcoplasmic reticulum. Biochemical Journal, 1981, 197, 515-518.	3.7	13
147	Production of Ni-Ru bimetallic catalysts and materials by thermal and chemical decomposition of a tetranuclear bimetallic carbonyl cluster. Materials Chemistry and Physics, 1991, 29, 251-260.	4.0	13
148	Cathodoluminescence characterization of $\beta$ -SiC nanowires and surface-related silicon dioxide. Materials Science in Semiconductor Processing, 2008, 11, 179-181.	4.0	13
149	Mechanisms of electrical conductivity in evaporated WO <sub>3</sub> thin films. Solid State Communications, 1980, 33, 107-109.	1.9	12
150	Metalorganic vapor phase epitaxial growth and structural characterization of GaAs/InP heterostructures. Journal of Electronic Materials, 1994, 23, 153-158.	2.2	12
151	Interface properties of HCF <sub>2</sub> Cl annealed CdTe thin films for solar cells applications. Thin Solid Films, 2008, 516, 7075-7078.	1.8	12
152	Field dependence of the carrier injection mechanisms in InGaN Quantum wells: Its effect on the luminescence properties of blue light emitting diodes. Journal of Applied Physics, 2008, 103, 093504.	2.5	12
153	$\beta$ -SiC nanowires luminescence enhancement by coating with a conformal oxides layer. Journal Physics D: Applied Physics, 2014, 47, 394006.	2.8	12
154	Evidence of Native Cs Impurities and Metal-Insulator Transition in MoS <sub>2</sub> Natural Crystals. Advanced Electronic Materials, 2016, 2, 1600091.	5.1	12
155	Growth and characterization of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> nanowires obtained on not-catalyzed and Au/Pt catalyzed substrates. Journal of Crystal Growth, 2017, 457, 255-261.	1.5	12
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