

Tatiana Perova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2882544/publications.pdf>

Version: 2024-02-01

205
papers

3,141
citations

172386

29
h-index

223716

46
g-index

209
all docs

209
docs citations

209
times ranked

4067
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ZnS shell thickness on the phonon spectra in CdSe quantum dots. <i>Physical Review B</i> , 2003, 68, .	1.1	227
2	A Simple Solâˆ“Gel Processing for the Development of High-Temperature Stable Photoactive Anatase Titania. <i>Chemistry of Materials</i> , 2007, 19, 4474-4481.	3.2	122
3	Fourier transform infrared study of poly (2-hydroxyethyl methacrylate) PHEMA. <i>Colloid and Polymer Science</i> , 1997, 275, 323-332.	1.0	101
4	Induction of Chirality in Two-Dimensional Nanomaterials: Chiral 2D MoS ₂ Nanostructures. <i>ACS Nano</i> , 2018, 12, 954-964.	7.3	93
5	Reinforcement of poly(vinyl chloride) and polystyrene using chlorinated polypropylene grafted carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2006, 16, 4206.	6.7	90
6	The influence of surface structure on the discotic liquid crystalline alignment. an infrared spectroscopy study. <i>Advanced Materials</i> , 1995, 7, 919-922.	11.1	69
7	Whispering gallery mode emission from a composite system of CdTe nanocrystals and a spherical microcavity. <i>Semiconductor Science and Technology</i> , 2003, 18, 914-918.	1.0	69
8	Composition and strain in thin Si _{1-x} Ge _x virtual substrates measured by micro-Raman spectroscopy and x-ray diffraction. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	68
9	Controlled Self-Assembly of Nanocrystals into Polycrystalline Fluorescent Dendrites with Energy-Transfer Properties. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2048-2052.	7.2	66
10	Analysis of strain and intermixing in single-layer Ge _{1-x} Si _x quantum dots using polarized Raman spectroscopy. <i>Physical Review B</i> , 2006, 73, .	1.1	64
11	Untangling Cooperative Effects of Pyridinic and Graphitic Nitrogen Sites at Metal-Free N-Doped Carbon Electrocatalysts for the Oxygen Reduction Reaction. <i>Small</i> , 2019, 15, e1902081.	5.2	57
12	1D photonic crystal fabricated by wet etching of silicon. <i>Optical Materials</i> , 2005, 27, 831-835.	1.7	55
13	Raman Investigation of Different Polytypes in SiC Thin Films Grown by Solid-Gas Phase Epitaxy on Si (111) and 6H-SiC Substrates. <i>Materials Science Forum</i> , 0, 645-648, 359-362.	0.3	53
14	Functionalization of single-walled carbon nanotubes with optically switchable spiropyrans. <i>Carbon</i> , 2010, 48, 2815-2824.	5.4	51
15	Cytotoxicity control of silicon nanoparticles by biopolymer coating and ultrasound irradiation for cancer theranostic applications. <i>Nanotechnology</i> , 2017, 28, 105102.	1.3	51
16	Bcl-2 SNP rs956572 associates with disrupted intracellular calcium homeostasis in bipolar I disorder. <i>Bipolar Disorders</i> , 2011, 13, 41-51.	1.1	45
17	Graphene oxide reinforced high surface area silica aerogels. <i>Journal of Non-Crystalline Solids</i> , 2017, 465, 31-38.	1.5	43
18	Electrospun Fibres of Chitosan/PVP for the Effective Chemotherapeutic Drug Delivery of 5-Fluorouracil. <i>Chemosensors</i> , 2021, 9, 70.	1.8	40

#	ARTICLE	IF	CITATIONS
19	In situ micro-Raman analysis and X-ray diffraction of nickel silicide thin films on silicon. <i>Micron</i> , 2009, 40, 89-93.	1.1	37
20	Vertically etched silicon as 1D photonic crystal. <i>Physica Status Solidi A</i> , 2003, 197, 544-548.	1.7	35
21	Micro-Raman Mapping of 3C-SiC Thin Films Grown by Solidâ€“Gas Phase Epitaxy on Si (111). <i>Nanoscale Research Letters</i> , 2010, 5, 1507-1511.	3.1	35
22	Rotational bias of an antiferroelectric liquid crystal studied by polarized Fourier transform infrared spectroscopy. <i>Physical Review E</i> , 1999, 59, 551-555.	0.8	34
23	Chemical modification of multi-walled carbon nanotubes using a tetrazine derivative. <i>Chemical Physics Letters</i> , 2007, 435, 84-89.	1.2	34
24	Resonant energy transfer in quantum dots: Frequency-domain luminescent spectroscopy. <i>Physical Review B</i> , 2008, 78, .	1.1	34
25	Observation of an anchoring transition in a discotic liquid crystal. <i>Europhysics Letters</i> , 1998, 44, 198-204.	0.7	33
26	Experimental and Computational Study of Dopamine as an Electrochemical Probe of the Surface Nanostructure of Graphitized N-Doped Carbon. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20763-20773.	1.5	33
27	Electrocatalysis of N-doped carbons in the oxygen reduction reaction as a function of pH: N-sites and scaffold effects. <i>Carbon</i> , 2019, 148, 224-230.	5.4	32
28	Method of construction of composite one-dimensional photonic crystal with extended photonic band gaps. <i>Optics Express</i> , 2005, 13, 8433.	1.7	31
29	Design criteria and optical characteristics of one-dimensional photonic crystals based on periodically grooved silicon. <i>Applied Optics</i> , 2003, 42, 5679.	2.1	30
30	Order Parameter, Alignment and Anchoring Transition in Discotic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 397, 231-244.	0.4	30
31	Electrotunable in-plane one-dimensional photonic structure based on silicon and liquid crystal. <i>Applied Physics Letters</i> , 2007, 90, 011908.	1.5	30
32	Surface states in the optical spectra of two-dimensional photonic crystals with various surface terminations. <i>Physical Review B</i> , 2012, 86, .	1.1	30
33	Thin SiGe buffers with high Ge content for n-MOSFETs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 89, 341-345.	1.7	26
34	Morphology of macro-pores formed by electrochemical etching of p-type Si. <i>Journal of Micromechanics and Microengineering</i> , 2004, 14, 1022-1028.	1.5	26
35	Dendrite-Like Self-Assembly of Magnetite Nanoparticles on Porous Silicon. <i>Small</i> , 2006, 2, 864-869.	5.2	25
36	Adaptable surfactant-mediated method for the preparation of anisotropic metal chalcogenide nanomaterials. <i>Scientific Reports</i> , 2018, 8, 2860.	1.6	24

#	ARTICLE	IF	CITATIONS
37	Polarized Raman spectroscopy of multilayer Ge ^δ -Si(001) quantum dot heterostructures. Journal of Applied Physics, 2004, 96, 2857-2863.	1.1	23
38	Composition and stress analysis in Si structures using micro-Raman spectroscopy. Scanning, 2004, 26, 235-239.	0.7	23
39	Experimental evidence of photonic band gap extension for disordered 1D photonic crystals based on Si. Optics Communications, 2006, 259, 104-106.	1.0	23
40	Silicon photonic crystal filter with ultrawide passband characteristics. Optics Letters, 2011, 36, 1854.	1.7	23
41	Level Anticrossing of Impurity States in Semiconductor Nanocrystals. Scientific Reports, 2014, 4, 6917.	1.6	23
42	Characterisation of thin film silicon films deposited by plasma enhanced chemical vapour deposition at 162MHz, using a large area, scalable, multi-tile-electrode plasma source. Thin Solid Films, 2011, 519, 6884-6886.	0.8	22
43	Microstructural investigation supporting an abrupt stress induced transformation in amorphous carbon films. Journal of Applied Physics, 2009, 105, .	1.1	20
44	Determination of SF6 reactive ion etching end point of the SiO2/Si system by plasma impedance monitoring. Microelectronic Engineering, 2003, 65, 25-46.	1.1	19
45	Study of structure and quality of different silicon oxides using FTIR and Raman microscopy. , 2003, , .		19
46	Quantum dot energy relaxation mediated by plasmon emission in doped covalent semiconductor heterostructures. Physical Review B, 2007, 76, .	1.1	19
47	Double quantum dot photoluminescence mediated by incoherent reversible energy transport. Physical Review B, 2010, 81, .	1.1	19
48	Continuous Flow Synthesis of Platinum Nanoparticles in Porous Carbon as Durable and Methanol-tolerant Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 62-70.	1.7	18
49	Far-infrared spectra of highly viscous liquids: glycerol and triacetin (glycerol triacetate). Vibrational Spectroscopy, 1998, 18, 149-156.	1.2	17
50	A comparison of the far-infrared and low-frequency Raman spectra of glass-forming liquids. Journal of Molecular Structure, 1999, 479, 111-122.	1.8	17
51	Design of one-dimensional composite photonic crystals with an extended photonic band gap. Journal of Applied Physics, 2006, 99, 033507.	1.1	17
52	Design of one-dimensional photonic crystals using combination of band diagram and photonic gap map approaches. Journal of Applied Physics, 2008, 104, 033536.	1.1	17
53	Influence of the buffer layer properties on the intensity of Raman scattering of graphene. Journal of Raman Spectroscopy, 2013, 44, 803-809.	1.2	17
54	Features of polarized Raman spectra for homogeneous and non-homogeneous compressively strained Ge _{1-x} Sn _x alloys. Journal of Raman Spectroscopy, 2017, 48, 993-1001.	1.2	17

#	ARTICLE	IF	CITATIONS
55	Spectroscopic Investigations of Borosilicate Glass and Its Application as a Dopant Source for Shallow Junctions. <i>Journal of the Electrochemical Society</i> , 2000, 147, 3100.	1.3	16
56	Far-Infrared and Low-Frequency Raman Spectra of Condensed Media. <i>Advances in Chemical Physics</i> , 2007, , 427-482.	0.3	16
57	Elaboration of the gap-map method for the design and analysis of one-dimensional photonic crystal structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1122-1126.	1.3	16
58	Optical properties of one-dimensional photonic crystals fabricated by photo-electrochemical etching of silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 571-581.	1.1	16
59	Chiral smectic- A and smectic- C phases with de Vries characteristics. <i>Physical Review E</i> , 2017, 95, 062704.	0.8	16
60	One-Dimensional Multi-Channel Photonic Crystal Resonators Based on Silicon-On-Insulator With High Quality Factor. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	16
61	Fitting the low-frequency Raman spectra to boson peak models: glycerol, triacetin and polystyrene. <i>Journal of Molecular Structure</i> , 1999, 479, 271-277.	1.8	15
62	The Fabrication, Fluorescence Dynamics, and Whispering Gallery Modes of Aluminosilicate Microtube Resonators. <i>Advanced Functional Materials</i> , 2007, 17, 1106-1114.	7.8	15
63	Fabrication technology of heterojunctions in the lattice of a 2D photonic crystal based on macroporous silicon. <i>Semiconductors</i> , 2011, 45, 1103-1110.	0.2	15
64	Enhancement of photoluminescence signal from ultrathin layers with silicon nanocrystals. <i>Applied Physics Letters</i> , 2012, 100, 061908.	1.5	15
65	ELECTRICALLY TUNABLE FABRY-PEROT RESONATOR BASED ON MICROSTRUCTURED SI CONTAINING LIQUID CRYSTAL. <i>Progress in Electromagnetics Research</i> , 2012, 122, 293-309.	1.6	15
66	Dynamic in-situ sensing of fluid-dispersed 2D materials integrated on microfluidic Si chip. <i>Scientific Reports</i> , 2017, 7, 42120.	1.6	15
67	Investigation of AgInS ₂ /ZnS Quantum Dots by Magnetic Circular Dichroism Spectroscopy. <i>Materials</i> , 2019, 12, 3616.	1.3	15
68	Capacitive storage at nitrogen doped amorphous carbon electrodes: structural and chemical effects of nitrogen incorporation. <i>RSC Advances</i> , 2019, 9, 4063-4071.	1.7	15
69	Dissociative CdSe/ZnS quantum dot-molecule complex for luminescent sensing of metal ions in aqueous solutions. <i>Journal of Applied Physics</i> , 2010, 108, 074306.	1.1	14
70	Boron diffusion from a spin-on source during rapid thermal processing. <i>Journal of Non-Crystalline Solids</i> , 1999, 254, 89-93.	1.5	13
71	Characterisation of virtual substrates with ultra-thin Si _{0.6} Ge _{0.4} strain relaxed buffers. <i>Materials Science in Semiconductor Processing</i> , 2005, 8, 149-153.	1.9	13
72	Size Effect on the Infrared Spectra of Condensed Media under Conditions of 1D, 2D, and 3D Dielectric Confinement. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16071-16081.	1.5	13

#	ARTICLE	IF	CITATIONS
73	Electron-electron scattering in a double quantum dot: Effective mass approach. Journal of Chemical Physics, 2010, 133, 104704.	1.2	13
74	Low-frequency Raman and far-infrared spectra of acetone/chloroform mixtures. Vibrational Spectroscopy, 1997, 15, 61-67.	1.2	12
75	Title is missing!. Journal of Materials Science: Materials in Electronics, 2001, 12, 351-355.	1.1	12
76	Investigation of strain induced effects in silicon wafers due to proximity rapid thermal processing using micro-Raman spectroscopy and synchrotron x-ray topography. Semiconductor Science and Technology, 2002, 17, 1081-1089.	1.0	12
77	Tunable one-dimensional photonic crystal structures based on grooved Si infiltrated with liquid crystal E7. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1961-1965.	0.8	12
78	Stain etching of micro-machined silicon structures. Journal of Micromechanics and Microengineering, 2008, 18, 025019.	1.5	12
79	Photo-electrochemical etching of macro-pores in silicon with grooves as etch seeds. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1235-1239.	0.8	12
80	INFLUENCE OF FLUCTUATIONS OF THE GEOMETRICAL PARAMETERS ON THE PHOTONIC BAND GAPS IN ONE-DIMENSIONAL PHOTONIC CRYSTALS. Progress in Electromagnetics Research, 2012, 126, 285-302.	1.6	12
81	Chemical modification of silicon surfaces with ferrocene functionalities. Physica Status Solidi A, 2003, 197, 492-496.	1.7	11
82	Numerical methods for calculation of optical properties of layered structures. Proceedings of SPIE, 2009, , .	0.8	11
83	Enhanced Raman scattering in grooved silicon matrix. Physica Status Solidi (B): Basic Research, 2009, 246, 173-176.	0.7	11
84	Optical Contrast Tuning in Three-Component One-Dimensional Photonic Crystals. Journal of Lightwave Technology, 2010, 28, 1521-1529.	2.7	11
85	Ultraviolet and visible Raman analysis of thin a-C films grown by filtered cathodic arc deposition. Diamond and Related Materials, 2010, 19, 514-517.	1.8	11
86	Study of orientational ordering in discotic liquid-crystalline thin films by using Fourier transform infra-red spectroscopy. Supramolecular Science, 1997, 4, 529-534.	0.7	10
87	Nature of the boson peak in Raman spectra of sodium borate glass systems: influence of structural and chemical fluctuations and intermolecular interactions. Journal of Raman Spectroscopy, 2000, 31, 819-825.	1.2	10
88	FTIR and Raman investigation of vertically etched silicon as a 1D photonic crystal. , 2003, , .		10
89	Quartz microtubes based on macroporous silicon. Semiconductors, 2004, 38, 1084-1087.	0.2	10
90	Technique for patterning macroporous silicon and the fabrication of bars of 2D photonic crystals with vertical walls. Semiconductors, 2004, 38, 1088-1091.	0.2	10

#	ARTICLE	IF	CITATIONS
91	Electro-tunable one-dimensional photonic crystal structures based on grooved silicon infiltrated with liquid crystal. <i>Journal of Luminescence</i> , 2006, 121, 298-300.	1.5	10
92	Orientalional Effects in Ferroelectric and Antiferroelectric Liquid Crystals using Infrared Spectroscopy. <i>Advances in Chemical Physics</i> , 2007, , 203-269.	0.3	10
93	In Spectroscopic Study of the Electric Field Induced Phase Transition of a Ferroelectrically Switchable Columnar Dibenzopyrene. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 263, 293-303.	0.3	9
94	Polarized infrared and Raman spectroscopy studies of the liquid crystal E7 alignment in composites based on grooved silicon. <i>Semiconductors</i> , 2005, 39, 759-767.	0.2	9
95	Effect of the Internal Field on the IR Absorption Spectra of Small Particles in the Case of 3D, 2D, and 1D Size Confinement. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9885-9891.	1.2	9
96	Micro-Raman investigation of stress distribution in laser drilled via structures. <i>Applied Surface Science</i> , 2009, 255, 5546-5548.	3.1	9
97	Observation of the de Vries behavior in SmA* phase of a liquid crystal using polarised Raman scattering and infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 147, 094903.	1.2	9
98	Optical properties of diamond films grown by MPCVD method with alternating nanodiamond injection. , 2005, , .		8
99	Stress determination in strained-Si grown on ultra-thin SiGe virtual substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 135, 192-194.	1.7	8
100	Confined optical modes and amplified spontaneous emission from a microtube cavity formed by vacuum assisted filtration. <i>Applied Physics Letters</i> , 2006, 89, 143113.	1.5	8
101	Thermo-tunable defect mode in one dimensional photonic structure based on grooved silicon and liquid crystal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 114-116.	1.2	8
102	Optical characteristics of a one-dimensional photonic crystal with an additional regular layer. <i>Proceedings of SPIE</i> , 2009, , .	0.8	8
103	Optical study of platinum-modified amorphous carbon. <i>Semiconductors</i> , 2009, 43, 915-920.	0.2	8
104	Borosilicate glass nanolayer as a spin-on dopant source: FTIR and spectroscopic ellipsometry investigations. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6292-6304.	1.1	8
105	Dispersive fourier transform far-infrared spectroscopy of aliphatic ketones. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 533-548.	2.0	7
106	Title is missing!. <i>Journal of Materials Science: Materials in Electronics</i> , 2003, 14, 441-444.	1.1	7
107	Silica micro tubes formed during the patterning of oxidized macroporous silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3213-3217.	0.8	7
108	Design and fabrication of the periodical structures based on grooved Si for middle infrared microphotronics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3288-3292.	0.8	7

#	ARTICLE	IF	CITATIONS
109	Strain, composition and crystalline perfection in thin SiGe layers studied by Raman spectroscopy. Thin Solid Films, 2008, 517, 265-268.	0.8	7
110	Raman and Fourier transform infrared study of substitutional carbon incorporation in rapid thermal chemical vapor deposited Si _{1-x} Ge _x on (1 0 0) Si. Journal of Applied Physics, 2010, 107, 023518.	1.1	7
111	Formation of Infrared Regions of Transparency in One-Dimensional Silicon Photonic Crystals. IEEE Photonics Technology Letters, 2011, 23, 200-202.	1.3	7
112	Optical properties of grooved silicon microstructures: Theory and experiment. Journal of Experimental and Theoretical Physics, 2011, 113, 80-85.	0.2	7
113	Investigation of stress and structural damage in H and He implanted Ge using micro-Raman mapping technique on bevelled samples. Journal of Raman Spectroscopy, 2012, 43, 448-454.	1.2	7
114	Concentration-Dependent Fluorescence Emission of Quercetin. Chemosensors, 2021, 9, 315.	1.8	7
115	IR birefringence in artificial crystal fabricated by anisotropic etching of silicon. Semiconductors, 2003, 37, 399-403.	0.2	6
116	Investigation of alumina-silica films deposited by pulsed injection metal-organic chemical vapour deposition. Thin Solid Films, 2006, 515, 1830-1834.	0.8	6
117	Tunable photonic structures based on silicon and liquid crystals. Proceedings of SPIE, 2007, , .	0.8	6
118	Investigation of tetrazine functionalised single walled carbon nanotubes. Plastics, Rubber and Composites, 2009, 38, 253-256.	0.9	6
119	All-optically tunable waveform synthesis by a silicon nanowaveguide ring resonator coupled with a photonic-crystal fiber frequency shifter. Optics Communications, 2011, 284, 1652-1655.	1.0	6
120	Multi-channel Si-liquid crystal filter with fine tuning capability of individual channels for compensation of fabrication tolerances. Nanoscale Research Letters, 2012, 7, 387.	3.1	6
121	Influence of intermolecular interactions on spectroscopic characteristics of metal nanoparticles and their composites. Physical Chemistry Chemical Physics, 2014, 16, 24536-24548.	1.3	6
122	Polarised infrared spectroscopy for the study of 3-dimensional orientations of FLC molecules. Ferroelectrics, 1998, 214, 83-91.	0.3	5
123	Molecular model of dielectric relaxation and the far-infrared isotopic effect in liquid H ₂ O and D ₂ O. Journal of Molecular Liquids, 2002, 95, 1-25.	2.3	5
124	Orientation of discotic and ferroelectric liquid crystals in a macroporous silicon matrix. Physics of the Solid State, 2002, 44, 1196-1202.	0.2	5
125	Micro-Raman and Spreading Resistance Analysis on Beveled Implanted Germanium for Layer Transfer Applications. Electrochemical and Solid-State Letters, 2011, 14, H69.	2.2	5
126	Investigation of Germanium Implanted with Hydrogen for Layer Transfer Applications. Solid State Phenomena, 0, 178-179, 295-300.	0.3	5

#	ARTICLE	IF	CITATIONS
127	Low frequency vibrational spectroscopy of highly viscous and highly polar liquids. Journal of Molecular Liquids, 1996, 69, 1-17.	2.3	5
128	Micro-Raman study of stress distribution generated in silicon during proximity rapid thermal diffusion. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 73, 168-172.	1.7	4
129	Local field effect on infrared phonon frequencies of thin dielectric films. , 2003, 4876, 1158.		4
130	Spectroscopic characteristics of nanocomposite structures in 3D, 2D, and 1D size confinements. , 2005, 5826, 387.		4
131	Stripes of 2D photonic crystal obtained from macroporous silicon. Optical Materials, 2005, 27, 827-830.	1.7	4
132	Porous silicon - rare earth doped xerogel and glass composites. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1693-1697.	0.8	4
133	Magnetic nanoparticles - porous silicon composite material. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1698-1702.	0.8	4
134	Strained Silicon on Ultrathin Silicon-Germanium Virtual Substrates. Solid State Phenomena, 2005, 108-109, 463-468.	0.3	4
135	MicroRaman spectroscopy of protective coatings deposited onto C/Câ€“SiC composites. Materials Science and Technology, 2007, 23, 1300-1304.	0.8	4
136	Structure and Orientation of Molecules in Discotic Liquid Crystals Using Infrared Spectroscopy. Advances in Chemical Physics, 2007, , 341-486.	0.3	4
137	Whispering gallery mode emission from microtube cavity. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.2		4
138	Enhancement of the Raman scattering in grooved silicon structures. Semiconductors, 2007, 41, 970-972.	0.2	4
139	Functionalisation of silicon surfaces using tetrazine functionalities. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1740-1744.	0.8	4
140	Surface Tamm states in a photonic crystal slab with asymmetric termination. Physica Status Solidi - Rapid Research Letters, 2013, 7, 481-484.	1.2	4
141	Reactive Plasma N-Doping of Amorphous Carbon Electrodes: Decoupling Disorder and Chemical Effects on Capacitive and Electrocatalytic Performance. Frontiers in Chemistry, 2020, 8, 593932.	1.8	4
142	3-D orientation and switching studies of FLCs using ATR FTIR spectroscopy. Ferroelectrics, 1998, 214, 1-8.	0.3	3
143	Characterization of macro-porous silicon for electronic applications. , 2003, 4876, 396.		3
144	Whispering gallery modes from CVD diamond spherical-like particles. Optical Materials, 2007, 29, 983-986.	1.7	3

#	ARTICLE	IF	CITATIONS
145	Electro-tuning of the photonic band gap in SOI-based structures infiltrated with liquid crystal. Proceedings of SPIE, 2008, , .	0.8	3
146	Direct evidence of the dielectric confinement effect in the infrared spectra of organic liquids. Chemical Physics Letters, 2009, 479, 81-85.	1.2	3
147	THE INFLUENCE OF LIGHT BEAM CONVERGENCE ON THE STOP-BANDS OF A ONE-DIMENSIONAL PHOTONIC CRYSTAL. Progress in Electromagnetics Research, 2013, 140, 369-384.	1.6	3
148	<title>Molecular tilt angle and order parameter of low-molar-mass ferroelectric liquid crystal using IR spectroscopy</title>. , 1996, , .		2
149	Precise chemical analysis development for silicon wafers after rapid thermal processing. Applied Surface Science, 2000, 156, 21-25.	3.1	2
150	Dielectric properties of thin solid films formed on silicon. Journal of Materials Science: Materials in Electronics, 2001, 12, 347-350.	1.1	2
151	Investigation into the structure and quality of carbon/carbon-SiC composites. , 2003, , .		2
152	Spectroscopic characterization of chemically modified porous silicon. , 2003, 4876, 788.		2
153	Optical characteristics of ordinary and tunable 1D Si photonic crystals in the mid-infrared range. , 2005, 5825, 85.		2
154	Alignment of liquid crystal E7 in composite photonic crystals based on single crystal silicon. , 2005, 5825, 400.		2
155	Extension of photonic band gaps in one-dimensional photonic crystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 791-796.	0.2	2
156	Infrared and submillimeter spectroscopy of grooved silicon structures. Semiconductors, 2006, 40, 834-838.	0.2	2
157	Tip-enhanced secondary emission of a semiconductor quantum dot. Physical Review B, 2008, 77, .	1.1	2
158	Silicon Periodic Structures and their Liquid Crystal Composites. Solid State Phenomena, 0, 156-158, 547-554.	0.3	2
159	Fabrication of one-dimensional photonic crystals by photoelectrochemical etching of silicon. Semiconductors, 2010, 44, 954-961.	0.2	2
160	Design, fabrication, and optical characterization of Fabry-Pérot tunable resonator based on microstructured Si and liquid crystal. Proceedings of SPIE, 2010, , .	0.8	2
161	Design of three-component one-dimensional photonic crystals with tuning of optical contrast and regions of transparency. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1961-1965.	0.8	2
162	Optical spectra of two-dimensional photonic crystal bars based on macroporous Si. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
163	Characterization of Rapid Melt Growth (RMG) Process for High Quality Thin Film Germanium on Insulator. ECS Transactions, 2012, 45, 169-180.	0.3	2
164	Polarization anisotropy of photoluminescence from triphenylamine-based molecular single crystals. Crystal Research and Technology, 2013, 48, 1039-1043.	0.6	2
165	Optical Spectra of Composite One-Dimensional Photonic Crystals With Extended Stop Bands Based on a Si-Air Structure. Journal of Lightwave Technology, 2015, 33, 3577-3583.	2.7	2
166	Accounting for the Local Field When Determining the Dielectric Loss Spectra of Metals in the Region of the Frequencies of Volume, Surface and Localized Plasmon Oscillations. Materials, 2020, 13, 631.	1.3	2
167	Precise chemical analysis development for Si and GaAs surfaces. Journal of Materials Science: Materials in Electronics, 2002, 13, 315-318.	1.1	1
168	Effect of prior C, Si and Sn implantation on the etch rate of CVD diamond. Diamond and Related Materials, 2006, 15, 1266-1270.	1.8	1
169	Investigation into the orientation of the liquid-crystal mixture E7 in composite photonic crystals based on single-crystal silicon. Physics of the Solid State, 2006, 48, 384-391.	0.2	1
170	TUNABLE 1D PHOTONIC CRYSTAL STRUCTURE BASED ON GROOVED Si INFILTRATED WITH LIQUID CRYSTAL E7. International Journal of Nanoscience, 2007, 06, 333-337.	0.4	1
171	Spontaneous emission enhancement in a microtube cavity with highly confined optical modes. , 2007, , .		1
172	In situ investigation of thermally influenced phase transformations in $(\text{pb}_{0.92}\text{sr}_{0.08}) (\text{zr}_{0.65}\text{ti}_{0.35})\text{o}_3$ thin films using micro-Raman spectroscopy and x-ray diffraction. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 241-245.	1.7	1
173	Determination of substitutional carbon content in rapid thermal chemical vapour deposited $\text{Si}_{1-x}\text{Ge}_x\text{Cy}$ on Si (1 0 0) using Raman spectroscopy. Thin Solid Films, 2010, 518, S151-S153.	0.8	1
174	Design of three-component one-dimensional photonic crystals for alteration of optical contrast and omni-directional reflection. Proceedings of SPIE, 2010, , .	0.8	1
175	Reversal and pinning of Curie point transformations in thin film piezoelectrics. CrystEngComm, 2011, 13, 1280-1282.	1.3	1
176	Transformation of one-dimensional silicon photonic crystal into Fabry-Perot resonator. , 2011, , .		1
177	Design, fabrication, and optical characterization of multicomponent photonic crystals for integrated silicon microphotronics. , 2011, , .		1
178	Tunable Microcavity Based on Macroporous Silicon: Feasibility of Fabrication. Journal of Lightwave Technology, 2013, 31, 2694-2700.	2.7	1
179	Influence of the Local Field and Dipole-Dipole Interactions on the Spectral Characteristics of Simple Metals and Their Nanoparticles. Plasmonics, 2019, 14, 1443-1451.	1.8	1
180	Extension of photonic band gaps in one-dimensional photonic crystals. , 2006, 101, 791.		1

#	ARTICLE	IF	CITATIONS
181	Resonance Enhancement of Raman Scattering from One-Dimensional Periodical Structures of Porous Silicon. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 591-595.	0.1	1
182	Magnetically doped discotic liquid crystal. Journal of Materials Science Letters, 2000, 19, 459-460.	0.5	0
183	Reorientation of Molecules in Magnetically Doped Discotic Liquid Crystal. Molecular Crystals and Liquid Crystals, 2000, 352, 141-148.	0.3	0
184	Measurement of thicknesses of thin films by the Fourier spectrometry method. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2001, 90, 887-890.	0.2	0
185	Carbon dependence of the vibrational modes frequencies in Si _{1-x} Ge _x C _y alloys. , 2003, , .		0
186	Polarized Raman Spectroscopy of Single Layer and Multilayer Ge/Si(001) Quantum Dot Heterostructures. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2004, , 139-152.	0.1	0
187	Phase coherence theory for data-mining and analysis: application studies in spectroscopy. , 2005, , .		0
188	Broad band infrared spectroscopy of grooved silicon. , 2005, , .		0
189	Investigations on europium doped alumino-silicate xerogel incorporated in micro-channel glass and porous silicon. , 2005, , .		0
190	Whispering Gallery Mode Emission from Photonic Microtubes. , 2006, , .		0
191	ELECTRO-OPTICAL EFFECT IN COMPOSITE PHOTONIC STRUCTURES BASED ON GROOVED SILICON AND LIQUID CRYSTAL. International Journal of Nanoscience, 2007, 06, 179-185.	0.4	0
192	Investigation on patterned structures formed on p-type silicon and its morphological dependence on current density. Materials Science and Technology, 2007, 23, 471-474.	0.8	0
193	New optical cylindrical microresonators. Proceedings of SPIE, 2007, , .	0.8	0
194	Amplified spontaneous emission from a microtube cavity with whispering gallery modes. Proceedings of SPIE, 2007, , .	0.8	0
195	A study of raman and rutherford backscattering spectra of amorphous carbon films modified with platinum. Semiconductors, 2010, 44, 1074-1079.	0.2	0
196	One-dimensional photonic crystal fabricated by the photochemical etching of silicon. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 65-68.	0.1	0
197	Fine tunable multi-cavity Si photonic crystal filters. Proceedings of SPIE, 2012, , .	0.8	0
198	Polarized Raman Spectroscopy and Chemometric Analysis of Micro-crystalline Silicon for Solar Cells. MATEC Web of Conferences, 2015, 26, 01011.	0.1	0

#	ARTICLE	IF	CITATIONS
199	Effect of diode-diode interactions on the characteristics of the absorption spectra of granular films and colloidal suspensions of gold and silver nanoparticles. Journal of Optical Technology (A) Tj ETQq1 1 0.784314 rgbT /Overlock 10 TFS	0.3	0
200	Investigations into the electrochemical etching process of p-type silicon using ethanol-surfactant solutions. AIP Conference Proceedings, 2017, , .	0.3	0
201	Double-cavity Fabry-Perot resonators based on one-dimensional silicon photonic crystals. AIP Conference Proceedings, 2018, , .	0.3	0
202	Preparation and Characterisation of Metallorganic Precursors Derived Iron Oxides on Porous Silicon Layers. Materials Science Forum, 0, 995, 63-68.	0.3	0
203	1D Periodic Structures Obtained by Deep Anisotropic Etching of Silicon. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2004, , 205-212.	0.1	0
204	Spectroscopical analysis of strained silicon quantum wells. , 2005, , .		0
205	Enhanced FTIR Spectroscopy of Biological Liquid Samples Confined Between Ge Hemispherical ATR Element and Al Coated Glass Substrate. Biomedical Journal of Scientific & Technical Research, 2020, 24, .	0.0	0