

Maria Lepore

List of Publications by Year in descending order

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168
papers

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citations

270111

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170
docs citations

170
times ranked

2809
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Ionizing Radiation and Long-Term Storage on Hydrated vs. Dried Cell Samples of Extremophilic Microorganisms. <i>Microorganisms</i> , 2022, 10, 190.	1.6	5
2	Synchrotron FTIR Microspectroscopy Investigations on Biochemical Changes Occurring in Human Cells Exposed to Proton Beams. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 336.	1.3	7
3	Evaluation of Proton-Induced Biomolecular Changes in MCF-10A Breast Cells by Means of FT-IR Microspectroscopy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5074.	1.3	0
4	FT-IR Transfection Micro-Spectroscopy Study on Normal Human Breast Cells after Exposure to a Proton Beam. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 540.	1.3	6
5	Application of Vibrational Spectroscopies in the Qualitative Analysis of Gingival Crevicular Fluid and Periodontal Ligament during Orthodontic Tooth Movement. <i>Journal of Clinical Medicine</i> , 2021, 10, 1405.	1.0	20
6	Advanced Optical Sensing of Phenolic Compounds for Environmental Applications. <i>Sensors</i> , 2021, 21, 7563.	2.1	8
7	Amide I Band Analysis Applied to Vibrational Micro-Spectroscopies of Gingival Crevicular Fluid Samples for Orthodontic Treatment Monitoring. , 2021, 10, .		1
8	FTIR Spectroscopy for Evaluation and Monitoring of Lipid Extraction Efficiency for Murine Liver Tissues Analysis. , 2021, 10, .		1
9	Graphene-Based and Surface-Enhanced Raman Spectroscopy for Monitoring the Physio-Chemical Response of Thermophilic Bacterial Spores to Low Temperatures Exposure. <i>Sensors</i> , 2020, 20, 4150.	2.1	7
10	Different Approaches to FT-IR Microspectroscopy on X-ray Exposed Human Cells. <i>Proceedings (mdpi)</i> , 2020, 42, 18.	0.2	0
11	An FTIR Microspectroscopy Ratiometric Approach for Monitoring X-ray Irradiation Effects on SH-SY5Y Human Neuroblastoma Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2974.	1.3	23
12	Monitoring Biochemical and Structural Changes in Human Periodontal Ligaments during Orthodontic Treatment by Means of Micro-Raman Spectroscopy. <i>Sensors</i> , 2020, 20, 497.	2.1	14
13	Surface-enhanced Raman spectroscopy of tears: toward a diagnostic tool for neurodegenerative disease identification. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	23
14	Pixeled metasurface for multiwavelength detection of vitamin D. <i>Nanophotonics</i> , 2020, 9, 3921-3930.	2.9	22
15	Optical Characterization of Homogeneous and Heterogeneous Intralipid-Based Samples. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6234.	1.3	5
16	Multivariate Analysis of Difference Raman Spectra of the Irradiated Nucleus and Cytoplasm Region of SH-SY5Y Human Neuroblastoma Cells. <i>Sensors</i> , 2019, 19, 3971.	2.1	11
17	An insight into pH-induced changes in FAD conformational structure by means of time-resolved fluorescence and circular dichroism. <i>European Biophysics Journal</i> , 2019, 48, 395-403.	1.2	4
18	Surface-Enhanced Raman Spectroscopy for Monitoring Extravirgin Olive Oil Bioactive Components. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	0.9	11

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19	Characterization of Human Tear Fluid by Means of Surface-Enhanced Raman Spectroscopy. <i>Sensors</i> , 2019, 19, 1177.	2.1	16
20	Metasurface based on cross-shaped plasmonic nanoantennas as chemical sensor for surface-enhanced infrared absorption spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 600-607.	4.0	32
21	Scattering-based optical techniques for olive oil characterization and quality control. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 196-212.	1.6	6
22	A novel experimental approach for liver analysis in rats exposed to Bisphenol A by means of LC-mass spectrometry and infrared spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 165, 207-212.	1.4	13
23	X-ray irradiation effects on nuclear and membrane regions of single SH-SY5Y human neuroblastoma cells investigated by Raman micro-spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 557-573.	1.4	17
24	Infrared microspectroscopy characterization of gingival crevicular fluid during orthodontic treatment. <i>Journal of Molecular Structure</i> , 2019, 1176, 847-854.	1.8	10
25	Fourier-Transform Infrared Microspectroscopy (FT-IR) Study on Caput and Cauda Mouse Spermatozoa. <i>Proceedings (mdpi)</i> , 2019, 42, .	0.2	3
26	Intralipid-Based Phantoms for the Development of New Optical Diagnostic Techniques. <i>Open Biotechnology Journal</i> , 2019, 13, 163-172.	0.6	10
27	Monitoring x-rays exposed and unexposed cell culture media by means of surface-enhanced Raman spectroscopy. , 2019, , .		0
28	Raman micro-spectroscopy investigation on the effects of x-rays and polyphenols in human neuroblastoma cells. , 2019, , .		0
29	X-ray irradiation effects on SH-SY5Y human neuroblastoma cells monitored by means of FTIR micro-spectroscopy. , 2019, , .		0
30	Graphene-Based Raman Spectroscopy for pH Sensing of X-rays Exposed and Unexposed Culture Media and Cells. <i>Sensors</i> , 2018, 18, 2242.	2.1	11
31	A Preliminary Investigation on Human Tears by Means of Surface Enhanced Raman Spectroscopy. <i>Proceedings (mdpi)</i> , 2018, 4, .	0.2	0
32	Optical monitoring of cell migration processes in a 3D scaffold. , 2018, , .		0
33	Dynamical and structural properties of flavin adenine dinucleotide in aqueous solutions. , 2018, , .		0
34	Physico-optical properties of a crosslinked hyaluronic acid scaffold for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2017, 134, e45243.	1.3	4
35	Dynamical and structural properties of flavin adenine dinucleotide in aqueous solutions and bound to free and sol-gel immobilized glucose oxidase. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 239-252.	1.1	14
36	Optical detection of different phenolic compounds by means of a novel biosensor based on sol-gel immobilized laccase. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 782-792.	1.4	18

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37	Fructose and Pectin Detection in Fruit-Based Food Products by Surface-Enhanced Raman Spectroscopy. <i>Sensors</i> , 2017, 17, 839.	2.1	23
38	Study of SH-SY5Y Cancer Cell Response to Treatment with Polyphenol Extracts Using FT-IR Spectroscopy. <i>Biosensors</i> , 2017, 7, 57.	2.3	22
39	Determination of Different Saccharides Concentration by Means of a Multienzymes Amperometric Biosensor. <i>Journal of Sensors</i> , 2017, 2017, 1-8.	0.6	13
40	Micro Sensing of pH Levels in Biological Samples by Graphene-Based Raman Spectroscopy. <i>Proceedings (mdpi)</i> , 2017, 2, .	0.2	0
41	Monitoring early phases of orthodontic treatment by means of Raman spectroscopies. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	28
42	Surface-Enhanced Raman Spectroscopy Study of Commercial Fruit Juices. <i>Proceedings (mdpi)</i> , 2016, 1, .	0.2	1
43	Micro-Raman spectroscopy during orthodontic tooth movement: Follow-up of gingival status. , 2015, , .		2
44	Preparation and characterization of 3D hyaluronic-acid-based scaffolds with controlled optical properties for biomedical applications. , 2015, , .		2
45	Ultrafast excited-state charge-transfer dynamics in laccase type I copper site. <i>Biophysical Chemistry</i> , 2015, 200-201, 41-47.	1.5	7
46	Visible micro-Raman spectroscopy of single human mammary epithelial cells exposed to x-ray radiation. <i>Journal of Biomedical Optics</i> , 2015, 20, 035003.	1.4	33
47	ATR FT-IR spectroscopy on Vmh2 hydrophobin self-assembled layers for Teflon membrane bio-functionalization. <i>Applied Surface Science</i> , 2015, 351, 673-680.	3.1	16
48	Monitoring production process of cisplatin-loaded PLGA nanoparticles by FT-IR microspectroscopy and univariate data analysis. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	22
49	Micro-Raman Spectroscopy for Monitoring Changes in Periodontal Ligaments and Gingival Crevicular Fluid. <i>Sensors</i> , 2014, 14, 22552-22563.	2.1	33
50	Interval-Principal Component Analysis of Raman spectra of single cells exposed to X-ray radiation. , 2014, , .		1
51	Micro-Raman spectroscopy investigation on periodontal ligament: A preliminary study on a tissue model. , 2014, , .		1
52	FT-IR microspectroscopy of cisplatin loaded PLGA nanoparticles. , 2014, , .		3
53	Characterization of secondary structure and fad conformational state in free and sol-gel immobilized glucose oxidase. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 580-588.	1.1	8
54	Laccase biosensor based on screen-printed electrode modified with thionine-carbon black nanocomposite, for Bisphenol A detection. <i>Electrochimica Acta</i> , 2013, 109, 340-347.	2.6	137

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55	Evaluation of thin metal film thickness from light attenuation and multi-reflection effects on micro-Raman response. <i>Thin Solid Films</i> , 2013, 536, 142-146.	0.8	1
56	Time-Resolved Flavin Adenine Dinucleotide Fluorescence Study of the Interaction Between Immobilized Glucose Oxidase and Glucose. <i>Journal of Fluorescence</i> , 2013, 23, 947-955.	1.3	16
57	Enzyme distribution and secondary structure of sol-gel immobilized glucose oxidase by micro-attenuated total reflection FT-IR spectroscopy. <i>Materials Science and Engineering C</i> , 2013, 33, 304-310.	3.8	63
58	A preliminary investigation on the interaction between sol-gel immobilized glucose oxidase and freely diffusing glucose by means of two-photon microscopy. , 2013, , .		4
59	X-ray radiation-induced effects in human mammary epithelial cells investigated by Raman microspectroscopy. , 2012, , .		5
60	Optical properties of sol-gel immobilized Laccase: a first step for its use in optical biosensing. , 2012, , .		1
61	Flow-Injection System with Site-Specific Immobilization of Acetylcholinesterase Biosensor for Amperometric Detection of Organophosphate Pesticides. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 3044-3053.	0.5	9
62	An acetylcholinesterase biosensor for determination of low concentrations of Paraoxon and Dichlorvos. <i>New Biotechnology</i> , 2011, 29, 132-138.	2.4	52
63	Bisphenol A content in fish caught in two different sites of the Tyrrhenian Sea (Italy). <i>Chemosphere</i> , 2011, 82, 405-410.	4.2	72
64	FT-IR microscopy characterization of sol-gel layers prior and after glucose oxidase immobilization for biosensing applications. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 204-211.	1.1	49
65	Visible micro-Raman spectroscopy for determining glucose content in beverage industry. <i>Food Chemistry</i> , 2011, 127, 735-742.	4.2	51
66	Micro-Raman spectroscopy on human mammary epithelial cells irradiated by different doses of X-Rays. , 2011, , .		0
67	Determination of glucose content by means of visible micro-Raman spectroscopy and interval partial least square multivariate analysis. , 2011, , .		1
68	Glucose Sensing by Time-Resolved Fluorescence of Sol-Gel Immobilized Glucose Oxidase. <i>Sensors</i> , 2011, 11, 3483-3497.	2.1	27
69	Micro-Raman Spectroscopy and Univariate Analysis for Monitoring Disease Follow-Up. <i>Sensors</i> , 2011, 11, 8309-8322.	2.1	22
70	A thionine-modified carbon paste amperometric biosensor for catechol and bisphenol A determination. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2003-2008.	5.3	127
71	Micro-Raman spectroscopy of tissue samples for oral pathology follow-up monitoring. , 2010, , .		0
72	Micro-Raman Spectroscopy and Univariate Correlation Analysis for Medical Diagnosis. , 2010, , .		0

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73	FT-IR microspectroscopy characterization of supports for enzyme immobilization in biosensing applications. , 2010, , .		0
74	Fiber-optic glucose biosensor based on glucose oxidase immobilised in a silica gel matrix. Journal of Sol-Gel Science and Technology, 2009, 50, 437-448.	1.1	49
75	Oral pathology follow-up by means of micro-Raman spectroscopy on tissue and blood serum samples: an application of wavelet and multivariate data analysis. Proceedings of SPIE, 2009, , .	0.8	2
76	One- and two-photon time-resolved fluorescence of visible and near-infrared dyes in scattering media. Proceedings of SPIE, 2009, , .	0.8	0
77	Hollow-Fiber Enzyme Reactor Operating under Nonisothermal Conditions. Biotechnology Progress, 2008, 20, 457-466.	1.3	12
78	Advantages in using non-isothermal bioreactors in bioremediation of water polluted by phenol by means of immobilized laccase from Rhus vernicifera. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 177-184.	1.8	45
79	The influence of the support nature on the kinetics parameters, inhibition constants and reactivation of immobilized acetylcholinesterase. International Journal of Biological Macromolecules, 2008, 43, 339-345.	3.6	37
80	Depth dependence of estimated optical properties of a scattering inclusion by time-resolved contrast functions. Optics Express, 2008, 16, 17667.	1.7	3
81	Wavelet data analysis of micro-Raman spectra for follow-up monitoring in oral pathologies. Proceedings of SPIE, 2008, , .	0.8	0
82	Static and dynamic light scattering properties of Intralipid aqueous suspension for tissue phantom preparation and calibration. Proceedings of SPIE, 2008, , .	0.8	3
83	An Investigation on Micro-Raman Spectra and Wavelet Data Analysis for Pemphigus Vulgaris Follow-up Monitoring.. Sensors, 2008, 8, 3656-3664.	2.1	28
84	Oral pathology diagnosis by means of micro-Raman spectroscopy on biopsies and blood serum. , 2007, , .		1
85	Laser sources in dentistry and radiation safety regulations. , 2007, , .		1
86	Investigation on Clarified Fruit Juice Composition by Using Visible Light Micro-Raman Spectroscopy. Sensors, 2007, 7, 2049-2061.	2.1	37
87	Glucose Determination by Means of Steady-state and Time-course UV Fluorescence in Free or Immobilized Glucose Oxidase. Sensors, 2007, 7, 2612-2625.	2.1	15
88	Wavelet data processing of micro-Raman spectra of biological samples. Measurement Science and Technology, 2006, 17, 298-303.	1.4	55
89	Perturbation approach to the time-resolved transmittance for a spatially varying scattering inclusion in a diffusive slab. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1937.	0.8	2
90	Image quality in time-resolved laser transillumination by time-correlated single photon counting. , 2006, 6191, 413.		0

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91	Light scattering processes in nematic liquid crystals without alignment control. , 2006, , .		0
92	Micro-Raman spectroscopy and E-SEM analysis of hybrid layer at the dentine/resin interface of three different composite restorative resins. , 2006, 6137, 119.		0
93	Biosensors for phenolic compounds: The catechol as a substrate model. Journal of Molecular Catalysis B: Enzymatic, 2006, 41, 97-102.	1.8	48
94	Micro-Raman spectroscopy on oral tissues. , 2006, 6137, 174.		1
95	A perturbation approach for optical characterization of absorptive inclusions in diffusing media by time-resolved contrast measurements. , 2005, , .		0
96	<title>Image quality in optical imaging by time-correlated single photon-counting technique</title>. , 2005, , .		0
97	Experimental study of short- and long-time diffusion regimes of spherical particles in carboxymethylcellulose solutions. European Polymer Journal, 2005, 41, 1772-1780.	2.6	9
98	Modulation of the catalytic activity of free and immobilized peroxidase by extremely low frequency electromagnetic fields: dependence on frequency. Bioelectromagnetics, 2005, 26, 145-152.	0.9	23
99	Data analysis in Raman measurements of biological tissues using wavelet techniques. , 2005, , .		4
100	A perturbation approach to characterize absorptive inclusions in diffusing media by time-resolved contrast measurements. Journal of Optics, 2004, 6, 736-741.	1.5	5
101	Time-resolved contrast function and optical characterization of spatially varying absorptive inclusions at different depths in diffusing media. Physical Review E, 2004, 69, 031901.	0.8	3
102	Glucose concentration determination by means of fluorescence emission spectra of soluble and insoluble glucose oxidase: some useful indications for optical fibre-based sensors. Journal of Molecular Catalysis B: Enzymatic, 2004, 31, 151-158.	1.8	28
103	Er:YAG laser treatments on dentine surface: micro-Raman spectroscopy and SEM analysis. Journal of Dentistry, 2004, 32, 399-405.	1.7	60
104	In vitro studies of the influence of ELF electromagnetic fields on the activity of soluble and insoluble peroxidase. Bioelectromagnetics, 2003, 24, 449-456.	0.9	22
105	Perturbation model to predict the effect of spatially varying absorptive inhomogeneities in diffusing media. Physical Review E, 2003, 68, 021901.	0.8	5
106	Theoretical and experimental investigations on image quality in optical imaging by time-resolved techniques. , 2003, , .		0
107	Random walk analysis of time-resolved transmittance measurements. , 2003, 4955, 536.		0
108	Imaging small inhomogeneities by time-resolved laser transmittance measurements using different reconstruction procedures. , 2003, , .		0

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109	Raman spectroscopy on dentin/resin interface of lased and unlased dental samples. , 2003, 4950, 64.		0
110	Micro-Raman spectroscopy on YBCO films during heat treatment. Superconductor Science and Technology, 2002, 15, 1606-1609.	1.8	23
111	Preparation and characterization of phantom objects for optical imaging by time-resolved transmittance and fluorescence. , 2002, , .		0
112	An amperometric sensor employing glucose oxidase immobilized on nylon membranes with different pore diameter and grafted with different monomers. Journal of Molecular Catalysis B: Enzymatic, 2002, 18, 49-67.	1.8	28
113	Time-resolved images of an absorptive inclusion hidden inside a turbid slab by different reconstruction algorithms. , 2002, , .		0
114	Depth dependence of the analytical expression for the width of the point spread function (spatial) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	19
115	<title>Development of a time-domain tomographic system for optical imaging</title>. , 2001, 4250, 566.		0
116	<title>Small volume approximation in first-order perturbative approach to the diffusion equation</title>. , 2001, , .		0
117	<title>Differences in optical properties of normal and tumoral tissues: a comparison to accuracy limits in laser techniques for optical imaging</title>. , 2000, , .		2
118	Fluorescence spectroscopy of scattering media in visible and infrared range. , 2000, , .		1
119	<title>Optical property measurements in scattering media by time-correlated single-photon counting system (TCSPCS)</title>. , 2000, 4160, 223.		1
120	Edge response function in optical imaging by time-resolved laser transillumination. , 2000, , .		1
121	Optical characterization of scattering media with absorbing ink by time-resolved transmittance. , 2000, , .		0
122	Experimental tests of different solutions to the diffusion equation for optical characterization of scattering media by time-resolved transmittance. Applied Optics, 1999, 38, 4228.	2.1	28
123	Time-resolved transmittance for the noninvasive determination of tissue optical properties. , 1999, 3570, 272.		0
124	Optical anisotropy investigation in multi-quantum wells by two-photon spectroscopy. Journal of Physics Condensed Matter, 1998, 10, 9173-9181.	0.7	1
125	<title>Systematic investigation of time-resolved transmittance technique for optical characterization of scattering media</title>. , 1998, 3250, 168.		1
126	<title>Optical properties of scattering solutions by time-resolved transmittance spectroscopy</title>. , 1998, , .		2

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127	<title>Image quality in time-resolved transillumination</title>. , 1998, , .		1
128	Two-photon absorption coefficient measurements in strained-layer superlattices. Journal of Physics Condensed Matter, 1997, 9, 7667-7674.	0.7	2
129	<title>Investigation of optical properties of scattering solutions by time-resolved transmittance</title>. , 1997, 2979, 284.		1
130	Excitonic properties in Zn _{1-x} Cd _x Se/ZnSe multi-quantum well structures by one- and two-photon spectroscopy. Journal of Applied Physics, 1996, 80, 2908-2913.	1.1	8
131	Three-photon absorption coefficients in ZnSe/Zn _{0.18} Se _{0.82} strained-layer superlattices. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1996, 18, 465-469.	0.4	1
132	Two-photon absorption spectroscopy in ZnSe/ZnS _{1-x} Se strained-layer superlattices. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1635-1639.	0.4	0
133	Excitonic properties in ZnSe/ZnS _x Se _{1-x} strained-layer superlattices by one- and two-photon spectroscopy. Physical Review B, 1994, 49, 14367-14371.	1.1	11
134	One-dimensional excitons in V-shaped quantum wires. Superlattices and Microstructures, 1994, 16, 217-220.	1.4	4
135	Polarization dependence of two-photon absorption in ZnSe-ZnS _{1-x} Se strained-layer superlattices. Solid State Communications, 1994, 92, 695-698.	0.9	3
136	Exciton Binding Energy in GaAs V-Shaped Quantum Wires. Physical Review Letters, 1994, 73, 2899-2902.	2.9	131
137	Anisotropic selection rules of two-photon absorption of GaAs quantum wires. Superlattices and Microstructures, 1993, 13, 71-74.	1.4	5
138	Two-photon absorption coefficient spectrum in CdS _{1-x} Se nanocrystals by nonlinear luminescence technique. Solid State Communications, 1993, 85, 539-543.	0.9	16
139	Radiative recombination processes in ZnSe/ZnS _x Se _{1-x} multiple-quantum-well structures. Physica B: Condensed Matter, 1993, 185, 352-356.	1.3	3
140	Three-photon-absorption spectroscopy in an indirect-gap material: CdI ₂ . Physical Review B, 1993, 47, 7580-7583.	1.1	5
141	Exciton scattering processes in ZnSe/ZnS _x Se _{1-x} MQW structures. European Physical Journal Special Topics, 1993, 03, 91-94.	0.2	2
142	Radiative recombination processes in ZnSe/ZnS _x Se _{1-x} multiple-quantum-well structures. , 1993, , 352-356.		0
143	Two-photon absorption in low-dimensional heterostructures. European Physical Journal Special Topics, 1993, 03, 131-138.	0.2	1
144	Observation of high-index states in CdS _{1-x} Se semiconductor microcrystallites by two-photon spectroscopy. Physical Review B, 1992, 46, 12261-12265.	1.1	14

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145	Two-photon absorption in GaAs quantum wires. <i>Physical Review Letters</i> , 1992, 69, 1276-1279.	2.9	44
146	Optical properties of highly excited ZnSe/ZnSxSe1-x multiple-quantum-well structures. <i>Semiconductor Science and Technology</i> , 1992, 7, 681-685.	1.0	19
147	Spectral behavior of three-photon absorption coefficient in II-VI compounds: ZnO, CdS and ZnSe. <i>Solid State Communications</i> , 1992, 84, 463-468.	0.9	8
148	Stimulated emission induced by two-photon absorption in GaAs quantum wells. <i>Physical Review B</i> , 1991, 44, 8384-8386.	1.1	3
149	Two-photon absorption processes in GaAs/Al _x Ga _{1-x} As quantum wells. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1990, 12, 1465-1474.	0.4	7
150	Observation of high-index excitonic states in Al _x Ga _{1-x} As/AlAs ternary-alloy quantum wells by two-photon spectroscopy. <i>Physical Review B</i> , 1990, 41, 12937-12940.	1.1	16
151	Two-photon spectroscopy in GaAs/Al _x Ga _{1-x} As multiple quantum wells. <i>Physical Review B</i> , 1989, 40, 1312-1315.	1.1	28
152	Polarization dependence of the excitonic two-photon absorption spectra of GaAs/AlGaAs quantum wells. <i>Solid State Communications</i> , 1989, 71, 217-220.	0.9	14
153	The use of plane-polarized beams in controlled surface temperature laser heat treating. <i>Optics and Lasers in Engineering</i> , 1989, 10, 97-108.	2.0	0
154	Coating characterization in controlled surface temperature laser heat treating. <i>Optics and Lasers in Engineering</i> , 1988, 8, 97-108.	2.0	3
155	Use of a CO ₂ laser for thermal effect simulation on sintered carbide inserts. <i>Optics and Lasers in Engineering</i> , 1988, 9, 13-22.	2.0	0
156	A semi-empirical method for predicting hardened case depths in laser heat treating. <i>Materials Chemistry and Physics</i> , 1988, 19, 205-214.	2.0	2
157	Spectral behavior of the three-photon absorption coefficient in ionic crystals. <i>Physical Review B</i> , 1988, 38, 13460-13463.	1.1	3
158	Three-photon absorption spectra in KI and Rbl. <i>Physical Review B</i> , 1988, 38, 3438-3442.	1.1	6
159	Interband two-photon absorption mechanisms in direct and indirect GAP materials. <i>Physica Scripta</i> , 1988, 37, 579-582.	1.2	10
160	An Investigation On The Frequency Dependence Of Three-Photon Absorption Coefficients In Semiconductors.. , 1987, , .		0
161	Spectral behaviour of the two-photon absorption coefficient in ZnO, CuCl and Bi ₄ Ge ₃ O ₁₂ . <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1987, 9, 1313-1322.	0.4	8
162	Frequency dependence of interband two-photon absorption mechanisms in ZnS and CdI ₂ . <i>Solid State Communications</i> , 1986, 60, 385-388.	0.9	11

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163	Two-photon absorption spectra of direct and indirect materials: ZnO and AgCl. Physical Review B, 1986, 33, 7270-7273.	1.1	25
164	On the evaluation of the matrix element of dipole in multiphoton transitions. Solid State Communications, 1985, 55, 151-155.	0.9	4
165	Direct and indirect multiphoton transitions in GaS. Solid State Communications, 1985, 54, 87-89.	0.9	2
166	Controlled surface temperature laser heat treating. Optics and Lasers in Engineering, 1985, 6, 157-163.	2.0	4
167	An investigation of the laser cutting process with the aid of a plane polarized CO2 laser beam. Optics and Lasers in Engineering, 1983, 4, 241-251.	2.0	10
168	Human periodontal ligament characterization by means of vibrational spectroscopy and electron microscopy.. 0, , .		1