

Antonio S B Sombra

List of Publications by Year in descending order

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papers

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76326

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docs citations

332
times ranked

5035
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical temperature sensing using upconversion fluorescence emission in Er ³⁺ /Yb ³⁺ -codoped chalcogenide glass. Applied Physics Letters, 1998, 73, 578-580.	3.3	206
2	On the physico-chemical and dielectric properties of glutaraldehyde crosslinked galactomannan-collagen films. Carbohydrate Polymers, 2004, 56, 313-320.	10.2	170
3	Impedance and modulus studies of magnetic ceramic oxide Ba ₂ Co ₂ Fe ₁₂ O ₂₂ (Co ₂ Y) doped with Bi ₂ O ₃ . Journal of Applied Physics, 2011, 110, .	2.5	151
4	Frequency upconversion in Er ³⁺ /Yb ³⁺ -codoped chalcogenide glass. Applied Physics Letters, 1998, 72, 753-755.	3.3	141
5	Upconversion fluorescence spectroscopy of Er ³⁺ /Yb ³⁺ -doped heavy metal Bi ₂ O ₃ -Na ₂ O-Nb ₂ O ₅ -GeO ₂ glass. Journal of Applied Physics, 1998, 83, 604-606.	2.5	123
6	Structural properties of hydroxyapatite obtained by mechanosynthesis. Solid State Sciences, 2003, 5, 553-558.	3.2	108
7	Dielectric and impedance properties studies of the of lead doped (PbO)-Co ₂ Y type hexaferrite (Ba ₂ Co ₂ Fe ₁₂ O ₂₂ (Co ₂ Y)). Materials Chemistry and Physics, 2010, 123, 35-39.	4.0	108
8	Yttrium Iron Garnet: Properties and Applications Review. Solid State Phenomena, 0, 202, 65-96.	0.3	102
9	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. Journal of Materials Chemistry C, 2021, 9, 5425-5436.	5.5	101
10	Optical thermometry through infrared excited upconversion fluorescence emission in Er ³⁺ - and Er ³⁺ /Yb ³⁺ -doped chalcogenide glasses. IEEE Journal of Quantum Electronics, 1999, 35, 395-399.	1.9	90
11	Magnetic and dielectric properties of the M-type barium strontium hexaferrite (Ba _x Sr _{1-x} Fe ₁₂ O ₁₉) in the RF and microwave (MW) frequency range. Journal of Materials Science: Materials in Electronics, 2009, 20, 408-417.	2.2	88
12	Thermally induced threefold upconversion emission enhancement in nonresonant excited Er ³⁺ /Yb ³⁺ -codoped chalcogenide glass. Applied Physics Letters, 1999, 74, 3607-3609.	3.3	87
13	Structural properties of CaCu ₃ Ti ₄ O ₁₂ obtained by mechanical alloying. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 96, 275-283.	3.5	81
14	All optical logic gates based on an asymmetric nonlinear directional coupler. Optics Communications, 2006, 262, 32-37.	2.1	81
15	Structural and dielectric spectroscopy studies of the M-type barium strontium hexaferrite alloys (Ba _x Sr _{1-x} Fe ₁₂ O ₁₉) in the RF and microwave (MW) frequency range. Journal of Materials Science: Materials in Electronics, 2009, 20, 408-417.	2.2	81
16	DC conductivity and dielectric permittivity of collagen-chitosan films. Materials Chemistry and Physics, 2006, 99, 284-288.	4.0	77
17	Polyanionic collagen membranes for guided tissue regeneration: Effect of progressive glutaraldehyde cross-linking on biocompatibility and degradation. Acta Biomaterialia, 2010, 6, 4011-4018.	8.3	67
18	Study of the structural, dielectric and magnetic properties of Bi ₂ O ₃ and PbO addition on BiFeO ₃ ceramic matrix. Journal of Physics and Chemistry of Solids, 2010, 71, 1329-1336.	4.0	67

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19	Electrical and optical properties of CaCu ₃ Ti ₄ O ₁₂ (CCTO) substrates for microwave devices and antennas. <i>Microwave and Optical Technology Letters</i> , 2003, 39, 145-150.	1.4	64
20	Dielectric properties of BaTiO ₃ (BTO)–CaCu ₃ Ti ₄ O ₁₂ (CCTO) composite screen-printed thick films for high dielectric constant devices in the medium frequency (MF) range. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 111, 113-123.	3.5	60
21	Investigation of structural, hysteresis and electromagnetic parameters for microwave absorption application in doped Ba–Sr hexagonal ferrites at X-band. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1220-1229.	5.5	58
22	Raman scattering and x-ray diffraction studies of polycrystalline CaCu ₃ Ti ₄ O ₁₂ under high-pressure. <i>Physical Review B</i> , 2004, 70, .	3.2	56
23	Logic gates based in two- and three-modes nonlinear optical fiber couplers. <i>Optical and Quantum Electronics</i> , 2007, 39, 1191-1206.	3.3	55
24	Synthesis, structure and vibrational properties of Gd _{1-x} Y _{1-x} ferrimagnetic ceramic composite. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 202-209.	4.0	55
25	Collagen–hydroxyapatite films: piezoelectric properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 86, 210-218.	3.5	54
26	Raman and infrared spectra of KNbO ₃ in niobate glass-ceramics. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 4451-4460.	1.8	53
27	Apatite coating on anionic and native collagen films by an alternate soaking process. <i>Acta Biomaterialia</i> , 2007, 3, 773-778.	8.3	53
28	Crystallite size study of nanocrystalline hydroxyapatite and ceramic system with titanium oxide obtained by dry ball milling. <i>Journal of Materials Science</i> , 2007, 42, 3851-3855.	3.7	52
29	Study of the dielectric and magnetic properties of Co ₂ Y, Y-type hexaferrite (Ba ₂ Co ₂ Fe ₁₂ O ₂₂) added with PbO and Bi ₂ O ₃ in the RF frequency range. <i>Journal of Alloys and Compounds</i> , 2010, 493, 326-334.	5.5	52
30	Subpicosecond-pulse generation through cross-phase-modulation-induced modulational instability in optical fibers. <i>Optics Letters</i> , 1988, 13, 901.	3.3	50
31	Chemically Modified Banana Fiber: Structure, Dielectrical Properties and Biodegradability. <i>Journal of Polymers and the Environment</i> , 2010, 18, 523-531.	5.0	50
32	Raman spectroscopy measurements of hydroxyapatite obtained by mechanical alloying. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1031-1033.	4.0	46
33	Soliton switching in three-core nonlinear directional fiber couplers. <i>Journal of Applied Physics</i> , 1998, 84, 1834-1842.	2.5	45
34	Optical properties of Bi ₁₂ SiO ₂₀ (BSO) and Bi ₁₂ TiO ₂₀ (BTO) obtained by mechanical alloying. <i>Journal of Materials Science</i> , 2001, 36, 587-592.	3.7	45
35	Piezoelectric lithium niobate obtained by mechanical alloying. <i>Journal of Materials Science Letters</i> , 1998, 17, 449-451.	0.5	44
36	An alternative method for the measurement of the microwave temperature coefficient of resonant frequency ($\frac{\Delta f}{f \Delta T}$). <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	44

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37	Femtosecond soliton amplification in erbium doped silica fibre. <i>Electronics Letters</i> , 1990, 26, 186.	1.0	42
38	Electrical and dielectrical properties of the percolating system polystyrene/polypyrrole particles. <i>European Polymer Journal</i> , 2002, 38, 1495-1499.	5.4	42
39	Dielectric permittivity and loss of $\text{CaCu}_{3-x}\text{Ti}_x\text{O}_{12}$ (CCTO) substrates for microwave devices and antennas. <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 657-663.	2.2	42
40	Structural and electrical study of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ (CCTO) obtained in a new ceramic procedure. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 163-170.	2.2	42
41	Electrical characterization of $\text{SiO}_2:\text{LiNbO}_3$ glass and glass-ceramics using dc conductivity, TSDC measurements and dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4390-4394.	3.1	41
42	Realization of All-Optical Logic Gates in a Triangular Triple-Core Photonic Crystal Fiber. <i>Journal of Lightwave Technology</i> , 2013, 31, 731-739.	4.6	41
43	Inhibitory properties of calcium exchanged silica epoxy paintings. <i>Corrosion Science</i> , 2001, 43, 2291-2303.	6.6	40
44	Electric and dielectric properties of a $\text{SiO}_2\text{-Na}_2\text{O-Nb}_2\text{O}_5$ glass subject to a controlled heat-treatment process. <i>Physica B: Condensed Matter</i> , 2007, 396, 62-69.	2.7	40
45	Piezoelectric properties of collagen-nanocrystalline hydroxyapatite composites. <i>Journal of Materials Science</i> , 2002, 37, 2061-2070.	3.7	39
46	Novel magnetic-dielectric composite ceramic obtained from $\text{Y}_3\text{Fe}_5\text{O}_{12}$ and CaTiO_3 . <i>Journal of Alloys and Compounds</i> , 2015, 644, 763-769.	5.5	39
47	Modulational instability in lossless fibers with saturable delayed nonlinear response. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 183.	2.1	38
48	Structural studies of lithium triborate (LiBO_3) in borophosphate glass-ceramics. <i>Solid State Sciences</i> , 2001, 3, 829-838.	0.7	37
49	On the piezoelectricity of collagen-chitosan films. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4154-4157.	2.8	37
50	Preparation and optical characterization of hydroxyapatite and ceramic systems with titanium and zirconium formed by dry high-energy mechanical alloying. <i>Solid State Sciences</i> , 2004, 6, 1365-1374.	3.2	37
51	Bistable pulse collisions of the cubic-quintic nonlinear Schrödinger equation. <i>Optics Communications</i> , 1992, 94, 92-98.	2.1	36
52	Magneto-dielectric properties of the $\text{Y}_3\text{Fe}_5\text{O}_{12}$ and $\text{Gd}_3\text{Fe}_5\text{O}_{12}$ dielectric ferrite resonator antennas. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 2852-2857.	1.4	36
53	White light upconversion emission and color tunability in $\text{Er}^{3+}/\text{Tm}^{3+}/\text{Yb}^{3+}$ tri-doped YNbO_4 phosphor. <i>Journal of Luminescence</i> , 2018, 204, 676-684.	3.1	35
54	Analysis of soliton switching in dispersion-decreasing fiber couplers. <i>Optics Communications</i> , 1999, 171, 351-364.	2.1	34

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55	Optical properties of hydroxyapatite obtained by mechanical alloying. Journal of Physics and Chemistry of Solids, 2002, 63, 1745-1757.	4.0	34
56	Temperature-, power-, and concentration-dependent two and three photon upconversion in Er ³⁺ /Yb ³⁺ co-doped lanthanum ortho-niobate phosphors. RSC Advances, 2016, 6, 68160-68169.	3.6	34
57	Structural studies of KNbO ₃ in niobate glass-ceramics. Journal of Physics and Chemistry of Solids, 2000, 61, 899-906.	4.0	33
58	Raman and infrared spectroscopy studies of LiNbO ₃ in niobate glass-ceramics. Journal of Physics and Chemistry of Solids, 1998, 59, 689-694.	4.0	32
59	The modulus formalism used in the dielectric analysis of hydroxyapatite and calcium phosphate with titanium formed by dry ball milling. Journal of Non-Crystalline Solids, 2005, 351, 2945-2950.	3.1	32
60	On the dielectric behaviour of collagen-algal sulfated polysaccharide blends: Effect of glutaraldehyde crosslinking. Biophysical Chemistry, 2006, 120, 154-159.	2.8	32
61	Optical switches and all-fiber logical devices based on triangular and planar three-core nonlinear optical fiber couplers. Optics Communications, 2007, 276, 107-115.	2.1	32
62	Study of a microwave ferrite resonator antenna, based on a ferrimagnetic composite (Gd ₃ Fe ₅ O ₁₂)Gd _{1-x} (Y ₃ Fe ₅ O ₁₂) _x . IET Microwaves, Antennas and Propagation, 2009, 3, 1191.	1.4	32
63	All-optical soliton switching in three-core nonlinear fiber couplers. Optics Communications, 1998, 145, 281-290.	2.1	31
64	Dielectric properties of sol-gel derived CaCu ₃ Ti ₄ O ₁₂ thin films onto Pt/TiO ₂ /Si(100) substrates. Journal of the European Ceramic Society, 2007, 27, 3829-3833.	5.7	31
65	Experimental and numerical investigation of a ceramic dielectric resonator (DRA): CaCu ₃ Ti ₄ O ₁₂ (CCTO). Physica B: Condensed Matter, 2008, 403, 586-594.	2.7	31
66	BiFeO ₃ ceramic matrix with Bi ₂ O ₃ or PbO added: Müssbauer, Raman and dielectric spectroscopy studies. Physica B: Condensed Matter, 2011, 406, 2532-2539.	2.7	31
67	Elucidation of microwave absorption mechanisms in Co-Ga substituted Ba-Sr hexaferrites in X-band. Journal of Materials Science: Materials in Electronics, 2018, 29, 14995-15005.	2.2	31
68	The dielectric behavior of a thermoelectric treated B ₂ O ₃ -Li ₂ O-Nb ₂ O ₅ glass. Journal of Non-Crystalline Solids, 2008, 354, 3408-3413.	3.1	30
69	Infrared to visible up-conversion fluorescence spectroscopy in Er ³⁺ -doped chalcogenide glass. Journal of Luminescence, 1998, 78, 271-277.	3.1	29
70	Hydroxyapatite screen-printed thick films: optical and electrical properties. Materials Chemistry and Physics, 2005, 92, 260-268.	4.0	28
71	Structure and optical properties of lithium niobium-phosphate glasses and glass ceramics. Physica Status Solidi (B): Basic Research, 1996, 197, 231-240.	1.5	27
72	Properties and in vivo investigation of nanocrystalline hydroxyapatite obtained by mechanical alloying. Materials Science and Engineering C, 2004, 24, 549-554.	7.3	27

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73	AC and DC conductivity analysis of hydroxyapatite and titanium calcium phosphate formed by dry ball milling. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1490-1494.	3.1	27
74	Electrical and dielectrical properties of $\text{SiO}_2\text{-Li}_2\text{O-Nb}_2\text{O}_5$ glass and glass-ceramics obtained by thermoelectric treatments. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5199-5204.	3.1	27
75	All-Optical Half-Adder Using All-Optical XOR and AND Gates for Optical Generation of Σ and Carry . <i>Fiber and Integrated Optics</i> , 2010, 29, 254-271.	2.5	26
76	Generation of logic gates based on a photonic crystal fiber Michelson interferometer. <i>Optics Communications</i> , 2014, 322, 143-149.	2.1	25
77	Effects of CaTiO_3 addition on the microwave dielectric properties and antenna properties of BiVO_4 ceramics. <i>Composites Part B: Engineering</i> , 2019, 175, 107122.	12.0	25
78	Analogy of different optical temperature sensing techniques in $\text{LaNbO}_4:\text{Er}^{3+}/\text{Yb}^{3+}$ phosphor. <i>Journal of Luminescence</i> , 2021, 235, 117992.	3.1	25
79	Structural and electrical study of calcium phosphate obtained by a microwave radiation assisted procedure. <i>Physica B: Condensed Matter</i> , 2009, 404, 1503-1508.	2.7	24
80	Microstructure and magneto-dielectric properties of ferrimagnetic composite $\text{Gd}(\text{Gd}_x\text{Y}_{1-x})\text{Fe}_2$ at radio and microwave frequencies. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 804-810.	4.0	23
81	Optical and electrical properties of barium titanate-hydroxyapatite composite screen-printed thick films. <i>Solid State Sciences</i> , 2004, 6, 267-278.	3.2	22
82	Microstrip antenna on a high dielectric constant substrate: BaTiO_3 (BTO)- $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ (CCTO) composite screen-printed thick films. <i>Journal of Electronic Materials</i> , 2006, 35, 1848-1856.	2.2	22
83	Study of Structural and Photoluminescent Properties of $\text{Ca}_8\text{Eu}_2(\text{PO}_4)_6\text{O}_2$. <i>Journal of Fluorescence</i> , 2008, 18, 253-259.	2.5	22
84	Studies of the structural and electrical properties of lithium ferrite (LiFe_5O_8). <i>Physica Scripta</i> , 2010, 82, 055702.	2.5	22
85	Dielectric investigation of the Sr_3WO_6 double perovskite at RF/microwave frequencies. <i>RSC Advances</i> , 2016, 6, 42502-42509.	3.6	22
86	Properties of the Sr_3MoO_6 electroceramic for RF/microwave devices. <i>Journal of Alloys and Compounds</i> , 2018, 748, 766-773.	5.5	22
87	Optimum self phase modulation profile for nonlinear transmission recovery in twin core optical couplers with loss. <i>Optics Communications</i> , 1998, 151, 31-34.	2.1	21
88	Dielectric relaxation of BaTiO_3 (BTO)- $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ (CCTO) composite screen-printed thick films at low temperatures. <i>Materials Chemistry and Physics</i> , 2006, 96, 402-408.	4.0	21
89	Structural and mechanical study of the sintering effect in hydroxyapatite doped with iron oxide. <i>Physica B: Condensed Matter</i> , 2008, 403, 3826-3829.	2.7	21
90	Copper concentration effect in the dielectric properties of BiNbO_4 for RF applications. <i>Journal of Alloys and Compounds</i> , 2012, 542, 264-270.	5.5	21

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91	A Study of the Dielectric Properties of Al ₂ O ₃ –TiO ₂ Composite in the Microwave and RF Regions. Journal of Electronic Materials, 2015, 44, 4220-4226.	2.2	21
92	BaTiO ₃ (BTO)–CaCu ₃ Ti ₄ O ₁₂ (CCTO) substrates for microwave devices and antennas. Journal of Materials Science, 2006, 41, 4623-4631.	3.7	20
93	Bandwidth enhancement of stacked dielectric resonator antennas excited by a coaxial probe: an experimental and numerical investigation. IET Microwaves, Antennas and Propagation, 2008, 2, 580-587.	1.4	20
94	A performance study of an all-optical logic gate based in PAM-ASK. Journal of Modern Optics, 2009, 56, 1004-1013.	1.3	20
95	Interplay of XPM and nonlinear response time in the modulational instability of copropagating optical pulses. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1878.	2.1	20
96	Soliton and quasi-soliton switching in nonlinear optical loop mirror constructed from dispersion decreasing fiber. Optics Communications, 1999, 163, 292-300.	2.1	19
97	Microwave preparation, structure and electrical properties of calcium–sodium–phosphate biosystem. Journal of Non-Crystalline Solids, 2006, 352, 3512-3517.	3.1	19
98	Analysis of an optical logic gate using a symmetric coupler operating with pulse position modulation (PPM). Optics Communications, 2008, 281, 1056-1064.	2.1	19
99	Dielectric and microwave properties of common sintering aids for the manufacture of thermally stable ceramics. Ceramics International, 2019, 45, 20446-20450.	4.8	19
100	On the piezoelectricity of anionic collagen films. Journal of Physics and Chemistry of Solids, 2002, 63, 465-470.	4.0	18
101	Impedance spectroscopy study of dehydrated chitosan and chitosan containing LiClO ₄ . Physica B: Condensed Matter, 2010, 405, 4439-4444.	2.7	18
102	A Review on Ba _x Sr _{1-x} Fe ₁₂ O ₁₉ Hexagonal Ferrites for use in Electronic Devices. Solid State Phenomena, 0, 202, 1-64.	0.3	18
103	Up-conversion emission of Er ³⁺ /Yb ³⁺ co-doped BaBi ₂ Nb ₂ O ₉ (BBN) phosphors. Journal of Luminescence, 2017, 183, 102-107.	3.1	18
104	The properties and crystallization of LiNbO ₃ in lithium niobophosphate glasses. Journal of Physics Condensed Matter, 1995, 7, 9723-9730.	1.8	17
105	Radio-frequency (RF) studies of the magneto-dielectric composites: Cr _{0.75} Fe _{1.25} O ₃ (CRFO)–Fe _{0.5} Cu _{0.75} Ti _{0.75} O ₃ (FCTO). Physica B: Condensed Matter, 2008, 403, 2902-2909.	2.7	17
106	Morphological, structural, optical and dielectric properties of 91SiO ₂ :4Li ₂ O:4Nb ₂ O ₅ :1Dy ₂ O ₃ (% mole) glass prepared by sol–gel. Optical Materials, 2011, 33, 1964-1969.	3.6	17
107	Power dependent upconversion in Er ³⁺ /Yb ³⁺ co-doped BiNbO ₄ phosphors. Ceramics International, 2016, 42, 6899-6905.	4.8	17
108	Magneto-dielectric composite based on Y ₃ Fe ₅ O ₁₂ –CaTiO ₃ for radio frequency and microwave applications. Journal of Alloys and Compounds, 2019, 783, 652-661.	5.5	17

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109	Structure and electrical properties of lithium niobophosphate glasses. Canadian Journal of Physics, 1997, 75, 747-758.	1.1	16
110	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1871-1874.	0.5	16
111	Dielectric permittivity and loss of hydroxyapatite screen-printed thick films. Journal of Materials Science, 2003, 38, 3713-3720.	3.7	16
112	Impedance spectroscopy study of Na ₂ Nb ₄ O ₁₁ ceramic matrix by the addition of Bi ₂ O ₃ . Journal of Alloys and Compounds, 2014, 584, 295-302.	5.5	16
113	Radiofrequency and microwave properties study of the electroceramic BaBi ₄ Ti ₄ O ₁₅ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 182, 37-44.	3.5	16
114	Magnetoelectric, photovoltaic, and magnetophotovoltaic effects in $KBiF_2e_2O_5$. Physical Review B, 2016, 93, .	3.2	16
115	PAMASK optical logic gates in an optical fiber Sagnac interferometer. Optics and Laser Technology, 2016, 77, 116-125.	4.6	16
116	Dielectrical and structural studies of composite matrix BiVO ₄ CaTiO ₃ and temperature effects by impedance spectroscopy. Journal of Materials Science: Materials in Electronics, 2018, 29, 16248-16258.	2.2	16
117	Dielectric Relaxation Process and Pyroelectric Currents in LiNbO ₃ : Fe Single Crystals. Physica Status Solidi A, 1991, 125, 723-729.	1.7	15
118	Analytical and numerical studies of the performance of a nonlinear directional fiber coupler with periodically modulated dispersion. Optical Fiber Technology, 2006, 12, 148-161.	2.7	15
119	Electric properties of Bi ₄ Ti ₃ O ₁₂ (BIT)CaCu ₃ Ti ₄ O ₁₂ (CCTO) composite substrates for high dielectric constant devices. Journal of Materials Science, 2007, 42, 2112-2120.	3.7	15
120	Graphene-photonic crystal switch. Optics Communications, 2014, 321, 150-156.	2.1	15
121	Warm-white light emission in Er ³⁺ /Tm ³⁺ /Yb ³⁺ tri-doped YNbO ₄ phosphor under 808 nm excitation: A synergistic upconversion effect. Materials Letters, 2019, 254, 65-68.	2.6	15
122	Tailoring of Electromagnetic Absorption in Substituted Hexaferrites from 8.2 GHz to 12.4 GHz. Journal of Electronic Materials, 2020, 49, 1646-1653.	2.2	15
123	Piezoelectric and Dielectric Properties of Collagen Films. Physica Status Solidi A, 1999, 176, 1077-1083.	1.7	14
124	Multistable all-optical switching behavior of the asymmetric nonlinear directional coupler. Optics Communications, 2000, 173, 413-421.	2.1	14
125	Analysis of the four wave mixing effect (FWM) in a dispersion decreasing fiber (DDF) for a WDM system. Optical Fiber Technology, 2005, 11, 306-318.	2.7	14
126	Studies of the temperature coefficient of capacitance (TCC) of a new electroceramic composite: Pb(Fe _{0.5} Nb _{0.5})O ₃ (PFN)Cr _{0.75} Fe _{1.25} O ₃ (CRFO). Journal of Materials Science: Materials in Electronics, 2009, 20, 149-156.	2.2	14

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127	Switching and enhanced bistability in an asymmetric nonlinear directional coupler with a metamaterial channel. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 1258-1268.	3.3	14
128	Multiwavelength frequency-doubling in bulk gallium-lanthanum-sulphide glasses for optical fiber amplifiers at 1.3 μ m. <i>Optical Materials</i> , 1997, 7, 1-7.	3.6	13
129	The optical and ^{57}Fe Mössbauer spectra of lithium diborate ($\text{Li}_2\text{B}_4\text{O}_7$) in borophosphate glass-ceramics. <i>Physica B: Condensed Matter</i> , 2002, 322, 276-288.	2.7	13
130	Logic Gates Based in Asymmetric Couplers: Numerical Analysis. <i>Fiber and Integrated Optics</i> , 2007, 26, 217-228.	2.5	13
131	A novel white-light emitting $\text{BaBi}_2\text{Nb}_2\text{O}_9$: $\text{Li}^+/\text{Tm}^{3+}/\text{Er}^{3+}/\text{Yb}^{3+}$ upconversion phosphor. <i>Journal of Luminescence</i> , 2018, 204, 539-547.	3.1	13
132	Effect of the pH on the piezoelectric properties of collagen films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 83, 165-172.	3.5	12
133	Study of the electric and dielectric properties of $\text{SiO}_2\text{-Li}_2\text{O-Nb}_2\text{O}_5$ sol-gel glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1501-1505.	3.1	12
134	Optical cryptography under PPM-PAM modulation based in short optical pulses in an acoustic-optic tunable filter (AOTF). <i>Optical and Quantum Electronics</i> , 2009, 41, 963-980.	3.3	12
135	Analysis of the nonlinear optical switching in a Sagnac interferometer with non-instantaneous Kerr effect. <i>Optics Communications</i> , 2012, 285, 1408-1417.	2.1	12
136	Impedance Spectroscopy Analysis of $\text{Mg}_4\text{Nb}_2\text{O}_9$ Ceramics with Different Additions of V_2O_5 for Microwave and Radio Frequency Applications. <i>Journal of Electronic Materials</i> , 2017, 46, 4344-4352.	2.2	12
137	Dielectric relaxation study of the ceramic matrix $\text{BaBi}_4\text{Ti}_4\text{O}_{15}:\text{Bi}_2\text{O}_3$. <i>Materials Chemistry and Physics</i> , 2018, 205, 72-83.	4.0	12
138	Nonlinear switching in semiconductor (CdSSe) doped glass. <i>Solid State Communications</i> , 1993, 88, 305-308.	1.9	11
139	Infrared to visible frequency upconversion in erbium-doped $\text{Ga}_2\text{S}_3\text{-La}_2\text{O}_3$ chalcogenide glass. <i>Optical Materials</i> , 1998, 10, 241-244.	3.6	11
140	Up-conversion pumped light amplification with temperature tunable gain in $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped chalcogenide glasses. <i>Journal of Luminescence</i> , 2000, 87-89, 1020-1022.	3.1	11
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