Augusto Belendez

List of Publications by Year
in descending order

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383	4,615	126901	189881
papers	citations	33 h-index	50 g-index

391	391	391	1479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large and small deflections of a cantilever beam. European Journal of Physics, 2002, 23, 371-379.	0.6	197
2	Analytical approximations for the period of a nonlinear pendulum. European Journal of Physics, 2006, 27, 539-551.	0.6	90
3	Application of the harmonic balance method to a nonlinear oscillator typified by a mass attached to a stretched wire. Journal of Sound and Vibration, 2007, 302, 1018-1029.	3.9	88
4	Application of Heâ€™s homotopy perturbation method to conservative truly nonlinear oscillators. Chaos, Solitons and Fractals, 2008, 37, 770-780.	5.1	85
5	Application of a modified He's homotopy perturbation method to obtain higher-order approximations of an force nonlinear oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 421-426.	2.1	81
6	Optimization of a 1Âmm thick PVA/acrylamide recording material to obtain holographic memories: method of preparation and holographic properties. Applied Physics B: Lasers and Optics, 2003, 76, 851-857.	2.2	80
7	Application of He's Homotopy Perturbation Method to the Duffing-Harmonic Oscillator. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	1.0	78
8	Exact solution for the nonlinear pendulum. Revista Brasileira De Ensino De Fisica, 2007, 29, 645-648.	0.2	74
9	Application of the homotopy perturbation method to the nonlinear pendulum. European Journal of Physics, 2007, 28, 93-104.	0.6	71
10	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. Optics Express, 2005, 13, 1939.	3.4	66
11	Optimization of a thick polyvinyl alcohol-acrylamide photopolymer for data storage using a combination of angular and peristrophic holographic multiplexing. Applied Optics, 2006, 45, 7661.	2.1	66
12	Measurement of the magnetic field of small magnets with a smartphone: a very economical laboratory practice for introductory physics courses. European Journal of Physics, 2015, 36, 065002.	0.6	66
13	New photopolymer holographic recording material with sustainable design. Optics Express, 2007, 15, 12425.	3.4	63
14	Application of a modified Heâ€™s homotopy perturbation method to obtain higher-order approximations to a nonlinear oscillator with discontinuities. Nonlinear Analysis: Real World Applications, 2009, 10, 601-610.	1.7	62
15	Roadmap on holography. Journal of Optics (United Kingdom), 2020, 22, 123002.	2.2	54
16	Magnification and visual acuity in highly myopic phakic eyes corrected with an anterior chamber intraocular lens versus by other methods. Journal of Cataract and Refractive Surgery, 1996, 22, 1416-1422.	1.5	52
17	In dark analysis of PVA/AA materials at very low spatial frequencies: phase modulation evolution and diffusion estimation. Optics Express, 2009, 17, 18279.	3.4	52
18	Solution for an anti-symmetric quadratic nonlinear oscillator by a modified Heâ€™s homotopy perturbation method. Nonlinear Analysis: Real World Applications, 2009, 10, 416-427.	1.7	51

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19	First-harmonic diffusion-based model applied to a polyvinyl-alcoholâ€“acrylamide-based photopolymer. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2052.	2.1	50
20	3 Dimensional analysis of holographic photopolymers based memories. Optics Express, 2005, 13, 3543.	3.4	50
21	Holographic characteristics of a 1-mm-thick photopolymer to be used in holographic memories. Applied Optics, 2003, 42, 7008.	2.1	48
22	Angular responses of the first and second diffracted orders in transmission diffraction grating recorded on photopolymer material. Optics Express, 2003, 11, 1835.	3.4	47
23	Comparison of peristrophic multiplexing and a combination of angular and peristrophic holographic multiplexing in a thick PVA/acrylamide photopolymer for data storage. Applied Optics, 2007, 46, 5368.	2.1	42
24	Averaged Stokes polarimetry applied to evaluate retardance and flicker in PA-LCoS devices. Optics Express, 2014, 22, 15064.	3.4	42
25	Overmodulation effects in volume holograms recorded on photopolymers. Optics Communications, 2003, 215, 263-269.	2.1	38
26	Characterization of a PVA/acrylamide photopolymer. Influence of a cross-linking monomer in the final characteristics of the hologram. Optics Communications, 2003, 224, 27-34.	2.1	38
27	Exact solution for the unforced Duffing oscillator with cubic and quintic nonlinearities. Nonlinear Dynamics, 2016, 86, 1687-1700.	5.2	38
28	An accurate closed-form approximate solution for the quintic Duffing oscillator equation. Mathematical and Computer Modelling, 2010, 52, 637-641.	2.0	37
29	Retardance and flicker modeling and characterization of electro-optic linear retarders by averaged Stokes polarimetry. Optics Letters, 2014, 39, 1011.	3.3	37
30	Holographic waveguides in photopolymers. Optics Express, 2019, 27, 827.	3.4	36
31	Study of angular responses of mixed amplitudeâ€“phase holographic gratings:â€ƒshifted Borrmann effect. Optics Letters, 2001, 26, 786.	3.3	34
32	Edge-enhanced imaging with polyvinyl alcohol /acrylamide photopolymer gratings. Optics Letters, 2003, 28, 1510.	3.3	34
33	Harmonic balance approach to the periodic solutions of the (an)harmonic relativistic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 291-299.	2.1	34
34	An explicit approximate solution to the Duffing-harmonic oscillator by a cubication method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2805-2809.	2.1	34
35	Silver Halide (Sensitized) Gelatin in Agfa-Gevaert Plates: The Optimized Procedure. Journal of Modern Optics, 1991, 38, 2043-2051.	1.3	33
36	Harmonic balance approaches to the nonlinear oscillators in which the restoring force is inversely proportional to the dependent variable. Journal of Sound and Vibration, 2008, 314, 775-782.	3.9	33

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37	Cubication of conservative nonlinear oscillators. European Journal of Physics, 2009, 30, 973-981.	0.6	31
38	Biophotopol: A Sustainable Photopolymer for Holographic Data Storage Applications. Materials, 2012, 5, 772-783.	2.9	31
39	Theoretical and experimental study of the bleaching of a dye in a film-polymerization process. Applied Optics, 1998, 37, 4496.	2.1	30
40	Temporal evolution of the angular response of a holographic diffraction grating in PVA/acrylamide photopolymer. Optics Express, 2003, 11, 181.	3.4	30
41	Higher accuracy analytical approximations to a nonlinear oscillator with discontinuity by He's homotopy perturbation method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2010-2016.	2.1	30
42	Direct analysis of monomer diffusion times in polyvinyl/acrylamide materials. Applied Physics Letters, 2008, 92, .	3.3	30
43	Approximation for a large-angle simple pendulum period. European Journal of Physics, 2009, 30, L25-L28.	0.6	30
44	Numerical and Experimental Analysis of Large Deflections of Cantilever Beams Under a Combined Load. Physica Scripta, 2005, , 61.	2.5	29
45	3-dimensional characterization of thick grating formation in PVA/AA based photopolymer. Optics Express, 2006, 14, 5121.	3.4	29
46	Effect of a depth attenuated refractive index profile in the angular responses of the efficiency of higher orders in volume gratings recorded in a PVA/acrylamide photopolymer. Optics Communications, 2004, 233, 311-322.	2.1	28
47	Approximate solutions of a nonlinear oscillator typified as a mass attached to a stretched elastic wire by the homotopy perturbation method. Chaos, Solitons and Fractals, 2009, 39, 746-764.	5.1	28
48	Improving the performance of PVA/AA photopolymers for holographic recording. Optical Materials, 2013, 35, 668-673.	3.6	28
49	Characterization of polyvinyl alcohol/acrylamide holographic memories with a first-harmonic diffusion model. Applied Optics, 2005, 44, 6205.	2.1	27
50	Selfâ€induced phase gratings due to the inhomogeneous structure of acrylamide photopolymer systems used as holographic recording materials. Applied Physics Letters, 1995, 67, 3856-3858.	3.3	26
51	The use of partially coherent light to reduce the efficiency of silver halide noise gratings. Optics Communications, 1993, 98, 236-240.	2.1	25
52	Higher order analytical approximate solutions to the nonlinear pendulum by He's homotopy method. Physica Scripta, 2009, 79, 015009.	2.5	25
53	An Improved 'Heuristic' Approximation for the Period of a Nonlinear Pendulum: Linear Analysis of a Classical Nonlinear Problem. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	1.0	24
54	Nonlinear oscillator with discontinuity by generalized harmonic balance method. Computers and Mathematics With Applications, 2009, 58, 2117-2123.	2.7	24

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55	Approximate expressions for the period of a simple pendulum using a Taylor series expansion. European Journal of Physics, 2011, 32, 1303-1310.	0.6	24
56	Surface relief model for photopolymers without cover plating. Optics Express, 2011, 19, 10896.	3.4	24
57	Electrical dependencies of optical modulation capabilities in digitally addressed parallel aligned liquid crystal on silicon devices. Optical Engineering, 2014, 53, 067104.	1.0	24
58	Predictive capability of average Stokes polarimetry for simulation of phase multilevel elements onto LCoS devices. Applied Optics, 2015, 54, 1379.	1.8	24
59	Real-time interferometric characterization of a polyvinyl alcohol based photopolymer at the zero spatial frequency limit. Applied Optics, 2007, 46, 7506.	2.1	23
60	Approximate solutions for the nonlinear pendulum equation using a rational harmonic representation. Computers and Mathematics With Applications, 2012, 64, 1602-1611.	2.7	23
61	Educational Software for Interference and Optical Diffraction Analysis in Fresnel and Fraunhofer Regions Based on MATLAB GUIs and the FDTD Method. IEEE Transactions on Education, 2012, 55, 118-125.	2.4	23
62	Extended linear polarimeter to measure retardance and flicker: application to liquid crystal on silicon devices in two working geometries. Optical Engineering, 2014, 53, 014105.	1.0	23
63	High-efficiency silver-halide sensitized gelatin holograms with low absorption and scatter. Journal of Modern Optics, 1998, 45, 1985-1992.	1.3	22
64	Two diffusion photopolymer for sharp diffractive optical elements recording. Optics Letters, 2015, 40, 3221.	3.3	22
65	Theoretical and experimental analysis of overmodulation effects in volume holograms recorded on BB-640 emulsions. Journal of Optics, 2001, 3, 504-513.	1.5	21
66	Holographic Characteristics of an Acrylamide/Bisacrylamide Photopolymer in 40â€“1000 ?m Thick Layers. Physica Scripta, 2005, , 66.	2.5	21
67	Multiplexed holographic data page storage on a polyvinyl alcohol/acrylamide photopolymer memory. Applied Optics, 2008, 47, 4448.	2.1	21
68	Higher-order approximate solutions to the relativistic and Duffing-harmonic oscillators by modified He's homotopy methods. Physica Scripta, 2008, 77, 025004.	2.5	21
69	Rigorous interference and diffraction analysis of diffractive optic elements using the finite-difference time-domain method. Computer Physics Communications, 2010, 181, 1963-1973.	7.5	21
70	Exploring binary and ternary modulations on a PA-LCoS device for holographic data storage in a PVA/AA photopolymer. Optics Express, 2015, 23, 20459.	3.4	21
71	Experimental evidence of mixed gratings with a phase difference between the phase and amplitude grating in volume holograms. Optics Express, 2002, 10, 1374.	3.4	20
72	High-efficiency volume holograms recording on acrylamide and N,Nâ€²methylene-bis-acrylamide photopolymer with pulsed laser. Journal of Modern Optics, 2005, 52, 1575-1584.	1.3	20

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73	Rational harmonic balance based method for conservative nonlinear oscillators: Application to the Duffing equation. Mechanics Research Communications, 2009, 36, 728-734.	1.8	20
74	Birefringence of cellotape: Jones representation and experimental analysis. European Journal of Physics, 2010, 31, 551-561.	0.6	20
75	Peristrophic multiplexed holograms recorded in a low toxicity photopolymer. Optical Materials Express, 2017, 7, 133.	3.0	20
76	An analysis of the classical Doppler effect. European Journal of Physics, 2003, 24, 497-505.	0.6	19
77	Analysis of PVA/AA based photopolymers at the zero spatial frequency limit using interferometric methods. Applied Optics, 2008, 47, 2557.	2.1	19
78	Homotopy perturbation method for a conservative <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>x</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml force nonlinear oscillator. Computers and Mathematics With Applications, 2009, 58, 2267-2273.	2.7	19
79	Relief diffracted elements recorded on absorbent photopolymers. Optics Express, 2012, 20, 11218.	3.4	19
80	Characterization and comparison of different photopolymers for low spatial frequency recording. Optical Materials, 2015, 44, 18-24.	3.6	19
81	Dimensional changes in slanted diffraction gratings recorded in photopolymers. Optical Materials Express, 2016, 6, 3455.	3.0	19
82	Silver halide sensitized gelatin derived from BB-640 holographic emulsion. Applied Optics, 1999, 38, 1348.	2.1	18
83	Analysis of monomer diffusion in depth in photopolymer materials. Optics Communications, 2007, 274, 43-49.	2.1	18
84	Linearization of conservative nonlinear oscillators. European Journal of Physics, 2009, 30, 259-270.	0.6	18
85	Model for analyzing the effects of processing on recording material in thick holograms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 1214.	1.5	17
86	Hologram recording in polyvinyl alcohol/acrylamide photopolymers by means of pulsed laser exposure. Applied Optics, 2002, 41, 2613.	2.1	17
87	Stabilization of volume gratings recorded in polyvinyl alcohol-acrylamide photopolymers with diffraction efficiencies higher than 90%. Journal of Modern Optics, 2004, 51, 491-503.	1.3	17
88	Application of He's Homotopy Perturbation Method to the Relativistic (An)harmonic Oscillator. I: Comparison between Approximate and Exact Frequencies. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	1.0	17
89	Asymptotic representations of the period for the nonlinear oscillator. Journal of Sound and Vibration, 2007, 299, 403-408.	3.9	17
90	Solution of the relativistic (an)harmonic oscillator using the harmonic balance method. Journal of Sound and Vibration, 2008, 311, 1447-1456.	3.9	17

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91	Spatial-phase-modulation-based study of polyvinyl-alcohol/acrylamide photopolymers in the low spatial frequency range. Applied Optics, 2009, 48, 4403.	2.1	17
92	Generation of diffractive optical elements onto a photopolymer using a liquid crystal display. , 2010, , .		17
93	Linearity in the response of photopolymers as optical recording media. Optics Express, 2013, 21, 10995.	3.4	17
94	Holographic Lenses in an Environment-Friendly Photopolymer. Polymers, 2018, 10, 302.	4.5	17
95	Non-local polymerization driven diffusion based model: general dependence of the polymerization rate to the exposure intensity. Optics Express, 2003, 11, 1876.	3.4	16
96	Hologram multiplexing in acrylamide hydrophilic photopolymers. Optics Communications, 2008, 281, 1354-1357.	2.1	16
97	Volume Holograms in Photopolymers: Comparison between Analytical and Rigorous Theories. Materials, 2012, 5, 1373-1388.	2.9	16
98	Biophotopolâ€™s energetic sensitivity improved in 300Î¼m layers by tuning the recording wavelength. Optical Materials, 2016, 52, 111-115.	3.6	16
99	Holographic system for copying holograms by using partially coherent light. Applied Optics, 1992, 31, 3312.	2.1	15
100	Application of a modified rational harmonic balance method for a class of strongly nonlinear oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6047-6052.	2.1	15
101	A Novel Rational Harmonic Balance Approach for Periodic Solutions of Conservative Nonlinear Oscillators. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, 13-26.	1.0	15
102	Overmodulation Control in the Optimization of a H-PDLC Device with Ethyl Eosin as Dye. International Journal of Polymer Science, 2013, 2013, 1-8.	2.7	15
103	Analysis of the Imaging Characteristics of Holographic Waveguides Recorded in Photopolymers. Polymers, 2020, 12, 1485.	4.5	15
104	Mixed phase-amplitude holographic gratings recorded in bleached silver halide materials. Journal Physics D: Applied Physics, 2002, 35, 957-967.	2.8	14
105	Accurate control of a liquid-crystal display to produce a homogenized Fourier transform for holographic memories. Optics Letters, 2007, 32, 2511.	3.3	14
106	Comments on â€œinvestigation of the properties of the period for the nonlinear oscillator â€• Journal of Sound and Vibration, 2007, 303, 925-930.	3.9	14
107	Accurate approximate solution to nonlinear oscillators in which the restoring force is inversely proportional to the dependent variable. Physica Scripta, 2008, 77, 065004.	2.5	14
108	Analytical approximate solutions for conservative nonlinear oscillators by modified rational harmonic balance method. International Journal of Computer Mathematics, 2010, 87, 1497-1511.	1.8	14

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109	Analytical Approximate Solutions for the Cubic-Quintic Duffing Oscillator in Terms of Elementary Functions. Journal of Applied Mathematics, 2012, 2012, 1-16.	0.9	14
110	Nonlinear oscillator with power-form elastic-term: Fourier series expansion of the exact solution. Communications in Nonlinear Science and Numerical Simulation, 2015, 22, 134-148.	3.3	14
111	A two-step method for recording holographic optical elements with partially coherent light. Journal of Optics, 1991, 22, 135-140.	0.3	13
112	New theoretical matrix formula for intraocular lens calculation using the optimal bending factor. Journal of Cataract and Refractive Surgery, 1993, 19, 293-297.	1.5	13
113	Diffusion-based model to predict the conservation of gratings recorded in poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582	2.1	13
114	Higher accurate approximate solutions for the simple pendulum in terms of elementary functions. European Journal of Physics, 2010, 31, L65-L70.	0.6	13
115	Holographic Characteristics of Photopolymers Containing Different Mixtures of Nematic Liquid Crystals. Polymers, 2019, 11, 325.	4.5	13
116	Method for the characterization of hologram processing. Journal of Modern Optics, 1998, 45, 881-888.	1.3	12
117	Silver halide sensitized gelatin holograms in Slavich PFG-01 red-sensitive emulsion. Journal of Modern Optics, 1999, 46, 1913-1925.	1.3	12
118	Analysis of multiplexed holograms stored in a thick PVA/AA photopolymer. Optics Communications, 2008, 281, 1480-1485.	2.1	12
119	APPROXIMATE ANALYTICAL SOLUTIONS FOR THE RELATIVISTIC OSCILLATOR USING A LINEARIZED HARMONIC BALANCE METHOD. International Journal of Modern Physics B, 2009, 23, 521-536.	2.0	12
120	Study of reflection gratings recorded in polyvinyl alcohol/acrylamide-based photopolymer. Applied Optics, 2009, 48, 6553.	2.1	12
121	Comparison of simplified theories in the analysis of the diffraction efficiency in surface-relief gratings. , 2012, , .		12
122	Holographic grating stability: influence of 4,4â€²-azobis (4-cyanopentanoic acid) on various spatial frequencies. Applied Optics, 2013, 52, 6322.	1.8	12
123	Effective angular and wavelength modeling of parallel aligned liquid crystal devices. Optics and Lasers in Engineering, 2015, 74, 114-121.	3.8	12
124	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. Optical Materials, 2018, 76, 295-301.	3.6	12
125	LED-Cured Reflection Gratings Stored in an Acrylate-Based Photopolymer. Polymers, 2019, 11, 632.	4.5	12
126	Optimized spatial frequency response in silver halide sensitized gelatin. Applied Optics, 1992, 31, 4625.	2.1	11

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127	Silver halide sensitized gelatin as a holographic recording material. Optics and Laser Technology, 1995, 27, 285-292.	4.6	11
128	Optimization of a fixation-free rehalogenating bleach for BB-640 holographic emulsion. Journal of Modern Optics, 2000, 47, 1671-1679.	1.3	11
129	Harmonic balancing approach to nonlinear oscillations of a punctual charge in the electric field of charged ring. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 735-740.	2.1	11
130	Linear response deviations during recording of diffraction gratings in photopolymers. Optics Express, 2009, 17, 13193.	3.4	11
131	Performance analysis of the FDTD method applied to holographic volume gratings: Multi-core CPU versus GPU computing. Computer Physics Communications, 2013, 184, 469-479.	7.5	11
132	Acceleration of split-field finite difference time-domain method for anisotropic media by means of graphics processing unit computing. Optical Engineering, 2013, 53, 011005.	1.0	11
133	Combining average molecular tilt and flicker for management of depolarized light in parallel-aligned liquid crystal devices for broadband and wide-angle illumination. Optics Express, 2019, 27, 5238.	3.4	11
134	Holographic Noise Gratings for Analysing and Optimizing Photochemical Processings in Bleached Silver Halide Emulsions. Journal of Modern Optics, 1993, 40, 687-697.	1.3	10
135	Entropy-based study of imaging quality in holographic optical elements. Optics Letters, 1994, 19, 1355.	3.3	10
136	Noise sources in silver halide volume diffuse-object holograms. Optical Engineering, 1995, 34, 1108.	1.0	10
137	Diffraction efficiency and signal-to-noise ratio of diffuse-object holograms in real time in polyvinyl alcohol photopolymers. Applied Optics, 1999, 38, 5548.	2.1	10
138	The influence of the development in silver halide sensitized gelatin holograms derived from PFG-01 plates. Optics Communications, 2000, 173, 161-167.	2.1	10
139	Determination of the refractive index and thickness of holographic silver halide materials by use of polarized reflectances. Applied Optics, 2002, 41, 6802.	2.1	10
140	Stabilization of volume gratings recorded in polyvinyl alcohol-acrylamide photopolymers with diffraction efficiencies higher than 90%. Journal of Modern Optics, 2004, 51, 491-503.	1.3	10
141	Application of He's Homotopy Perturbation Method to the Relativistic (An)harmonic Oscillator. II: A More Accurate Approximate Solution. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	1.0	10
142	Blazed Gratings Recorded in Absorbent Photopolymers. Materials, 2016, 9, 195.	2.9	10
143	Influence of R-10 bleaching on latent image formation in silver halide-sensitized gelatin. Applied Optics, 1992, 31, 3203.	2.1	9
144	Comparison of nonlinear characteristics of phase holograms processed by various combinations of developers and bleaching agents. Journal of Modern Optics, 1999, 46, 591-604.	1.3	9

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145	Fixation-free bleached silver halide transmission holograms recorded on Slavich PFG-01 red sensitive plates. Journal of Modern Optics, 2001, 48, 1643-1655.	1.3	9
146	Improved maximum uniformity and capacity of multiple holograms recorded in absorbent photopolymers. Optics Express, 2007, 15, 9308.	3.4	9
147	An Equivalent Linearization Method for Conservative Nonlinear Oscillators. International Journal of Nonlinear Sciences and Numerical Simulation, 2008, 9, .	1.0	9
148	ANALYSIS OF REFLECTION GRATINGS BY MEANS OF A MATRIX METHOD APPROACH. Progress in Electromagnetics Research, 2011, 118, 167-183.	4.4	9
149	Monomer diffusion in sustainable photopolymers for diffractive optics applications. Optical Materials, 2011, 33, 1626-1629.	3.6	9
150	Influence of index matching on AA/PVA photopolymers for low spatial frequency recording. Applied Optics, 2015, 54, 3132.	2.1	9
151	Efficiency of Thick Phase Holograms in the Presence of Shear-type Effects Due to Processing. Journal of Modern Optics, 1992, 39, 889-899.	1.3	8
152	Nonlinear recording of amplitude holograms in agfa 8E75HD: comparison of two developers. Optics Communications, 1994, 111, 225-232.	2.1	8
153	Noise gratings in bleached silver halide diffuse-object holograms. Optics Letters, 1994, 19, 1243.	3.3	8
154	Copying low spatial frequency diffraction gratings in photopolymer as phase holograms. Journal of Modern Optics, 2000, 47, 1089-1097.	1.3	8
155	Higher Accuracy Approximate Solution for Oscillations of a Mass Attached to a Stretched Elastic Wire by Rational Harmonic Balance Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	1.0	8
156	Closed-Form Exact Solutions for the Unforced Quintic Nonlinear Oscillator. Advances in Mathematical Physics, 2017, 2017, 1-14.	0.8	8
157	Complex Diffractive Optical Elements Stored in Photopolymers. Polymers, 2019, 11, 1920.	4.5	8
158	Unitary matrix approach for a precise voltage dependent characterization of reflective liquid crystal devices by average Stokes polarimetry. Optics Letters, 2020, 45, 5732.	3.3	8
159	Imaging in white light with a thick-phase transmission holographic doublet. Journal of Optics, 1989, 20, 263-268.	0.3	7
160	New photopolymer with trifunctional monomer for holographic applications. Applied Physics B: Lasers and Optics, 1996, 63, 151-153.	2.2	7
161	Effects of overmodulation in fixation-free rehalogenating bleached holograms. Applied Optics, 2001, 40, 3402.	2.1	7
162	Bleached silver halide volume holograms recorded on Slavich PFG-01 emulsion: The influence of the developer. Journal of Modern Optics, 2001, 48, 1479-1494.	1.3	7

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163	Angular responses of the first diffracted order in over-modulated volume diffraction gratings. Journal of Modern Optics, 2004, 51, 1149-1162.	1.3	7
164	Reply to â€˜Comment on â€œApproximation for the large-angle simple pendulum periodâ€â€™. European Journal of Physics, 2009, 30, L83-L86.	0.6	7
165	Classical polarimetric method revisited to analyse the modulation capabilities of parallel aligned liquid crystal on silicon displays. , 2012, , .		7
166	Diffractive and interferometric methods to characterize photopolymers with liquid crystal molecules as holographic recording material. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	7
167	Linear Quadrupole Magnetic Field Measured with a Smartphone. Physics Teacher, 2020, 58, 182-185.	0.3	7
168	Analytical modeling of blazed gratings on two-dimensional pixelated liquid crystal on silicon devices. Optical Engineering, 2020, 59, 1.	1.0	7
169	Solutions for Conservative Nonlinear Oscillators Using an Approximate Method Based on Chebyshev Series Expansion of the Restoring Force. Acta Physica Polonica A, 2016, 130, 667-678.	0.5	7
170	Noise gratings recorded with single-beam exposures in silver halide emulsions: the influence of the bleach bath. Optical and Quantum Electronics, 1993, 25, 139-145.	3.3	6
171	Diffuse-object Holograms in Silver Halide Sensitized Gelatin. Journal of Modern Optics, 1994, 41, 649-653.	1.3	6
172	Fixation-free rehalogenating bleached reflection holograms recorded on BB-640 plates. Optics Communications, 2000, 182, 107-114.	2.1	6
173	Analysis of Second and Third Diffracted Orders in Volume Diffraction Gratings Recorded on Photopolymers. Physica Scripta, 2005, , 58.	2.5	6
174	Effect of the incorporation of N,Nâ€²-methylene-bis-acrylamide on the multiplexing of holograms in a hydrophilic acrylamide photopolymer. Optics Communications, 2006, 268, 133-137.	2.1	6
175	Considerations on â€œHarmonic balancing approach to nonlinear oscillations of a punctual charge in the electric field of charged ringâ€• Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4264-4265.	2.1	6
176	Optimization of a holographic memory setup using an LCD and a PVA-based photopolymer. Optik, 2010, 121, 151-158.	2.9	6
177	Notes on â€œApplication of the Hamiltonian approach to nonlinear oscillators with rational and irrational elastic termsâ€• Mathematical and Computer Modelling, 2011, 54, 3204-3209.	2.0	6
178	An experiment in heat conduction using hollow cylinders. European Journal of Physics, 2011, 32, 1065-1075.	0.6	6
179	Comments on â€˜A finite extensibility nonlinear oscillatorâ€™. Applied Mathematics and Computation, 2012, 218, 6168-6175.	2.2	6
180	Development of a unified FDTD-FEM library for electromagnetic analysis with CPU and GPU computing. Journal of Supercomputing, 2013, 64, 28-37.	3.6	6

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