

Augusto Belendez

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296
papers

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h-index

42
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390
ext. papers

4,007
ext. citations

2.2
avg, IF

4.94
L-index

#	Paper	IF	Citations
296	Large and small deflections of a cantilever beam. <i>European Journal of Physics</i> , 2002 , 23, 371-379	0.8	147
295	Analytical approximations for the period of a nonlinear pendulum. <i>European Journal of Physics</i> , 2006 , 27, 539-551	0.8	79
294	Application of a modified He's homotopy perturbation method to obtain higher-order approximations of an $x^{1/3}$ force nonlinear oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 371, 421-426	2.3	78
293	Application of the harmonic balance method to a nonlinear oscillator typified by a mass attached to a stretched wire. <i>Journal of Sound and Vibration</i> , 2007 , 302, 1018-1029	3.9	75
292	Application of He's Homotopy Perturbation Method to the Duffing-Harmonic Oscillator. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	67
291	Optimization of a 1 mm thick PVA/acrylamide recording material to obtain holographic memories: method of preparation and holographic properties. <i>Applied Physics B: Lasers and Optics</i> , 2003 , 76, 851-857	1.9	64
290	Application of the homotopy perturbation method to the nonlinear pendulum. <i>European Journal of Physics</i> , 2007 , 28, 93-104	0.8	63
289	Application of He's homotopy perturbation method to conservative truly nonlinear oscillators. <i>Chaos, Solitons and Fractals</i> , 2008 , 37, 770-780	9.3	61
288	Measurement of the magnetic field of small magnets with a smartphone: a very economical laboratory practice for introductory physics courses. <i>European Journal of Physics</i> , 2015 , 36, 065002	0.8	52
287	Optimization of a thick polyvinyl alcohol-acrylamide photopolymer for data storage using a combination of angular and peristrophic holographic multiplexing. <i>Applied Optics</i> , 2006 , 45, 7661-6	1.7	52
286	Physical and effective optical thickness of holographic diffraction gratings recorded in photopolymers. <i>Optics Express</i> , 2005 , 13, 1939-47	3.3	51
285	Application of a modified He's homotopy perturbation method to obtain higher-order approximations to a nonlinear oscillator with discontinuities. <i>Nonlinear Analysis: Real World Applications</i> , 2009 , 10, 601-610	2.1	48
284	Exact solution for the nonlinear pendulum. <i>Revista Brasileira De Ensino De Fisica</i> , 2007 , 29, 645-648	0.4	47
283	In dark analysis of PVA/AA materials at very low spatial frequencies: phase modulation evolution and diffusion estimation. <i>Optics Express</i> , 2009 , 17, 18279-91	3.3	44
282	Magnification and visual acuity in highly myopic phakic eyes corrected with an anterior chamber intraocular lens versus by other methods. <i>Journal of Cataract and Refractive Surgery</i> , 1996 , 22, 1416-22	2.3	42
281	Solution for an anti-symmetric quadratic nonlinear oscillator by a modified He's homotopy perturbation method. <i>Nonlinear Analysis: Real World Applications</i> , 2009 , 10, 416-427	2.1	41
280	New photopolymer holographic recording material with sustainable design. <i>Optics Express</i> , 2007 , 15, 12425-35	3.3	41

279	Angular responses of the first and second diffracted orders in transmission diffraction grating recorded on photopolymer material. <i>Optics Express</i> , 2003 , 11, 1835-43	3.3	40
278	3 Dimensional analysis of holographic photopolymers based memories. <i>Optics Express</i> , 2005 , 13, 3543-57,3	3.3	36
277	First-harmonic diffusion-based model applied to a polyvinyl-alcohol/acrylamide-based photopolymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 2052	1.7	36
276	Averaged Stokes polarimetry applied to evaluate retardance and flicker in PA-LCoS devices. <i>Optics Express</i> , 2014 , 22, 15064-74	3.3	35
275	An accurate closed-form approximate solution for the quintic Duffing oscillator equation. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 637-641		32
274	An explicit approximate solution to the Duffing-harmonic oscillator by a cubication method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 2805-2809	2.3	31
273	Harmonic balance approach to the periodic solutions of the (an)harmonic relativistic oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 371, 291-299	2.3	31
272	Overmodulation effects in volume holograms recorded on photopolymers. <i>Optics Communications</i> , 2003 , 215, 263-269	2	31
271	Holographic characteristics of a 1-mm-thick photopolymer to be used in holographic memories. <i>Applied Optics</i> , 2003 , 42, 7008-12	1.7	31
270	Silver Halide (Sensitized) Gelatin in Agfa-Gevaert Plates: The Optimized Procedure. <i>Journal of Modern Optics</i> , 1991 , 38, 2043-2051	1.1	30
269	Higher accuracy analytical approximations to a nonlinear oscillator with discontinuity by He's homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 2010-2016	2.3	29
268	Characterization of a PVA/acrylamide photopolymer. Influence of a cross-linking monomer in the final characteristics of the hologram. <i>Optics Communications</i> , 2003 , 224, 27-34	2	29
267	Study of angular responses of mixed amplitude--phase holographic gratings: shifted Borrmann effect. <i>Optics Letters</i> , 2001 , 26, 786-8	3	28
266	Cubication of conservative nonlinear oscillators. <i>European Journal of Physics</i> , 2009 , 30, 973-981	0.8	27
265	Harmonic balance approaches to the nonlinear oscillators in which the restoring force is inversely proportional to the dependent variable. <i>Journal of Sound and Vibration</i> , 2008 , 314, 775-782	3.9	27
264	Retardance and flicker modeling and characterization of electro-optic linear retarders by averaged Stokes polarimetry. <i>Optics Letters</i> , 2014 , 39, 1011-4	3	26
263	Comparison of peristrophic multiplexing and a combination of angular and peristrophic holographic multiplexing in a thick PVA/acrylamide photopolymer for data storage. <i>Applied Optics</i> , 2007 , 46, 5368-73 ^{1.7}	1.7	26
262	Edge-enhanced imaging with polyvinyl alcohol/acrylamide photopolymer gratings. <i>Optics Letters</i> , 2003 , 28, 1510-2	3	26

261	3-dimensional characterization of thick grating formation in PVA/AA based photopolymer. <i>Optics Express</i> , 2006 , 14, 5121-8	3.3	25
260	The use of partially coherent light to reduce the efficiency of silver halide noise gratings. <i>Optics Communications</i> , 1993 , 98, 236-240	2	25
259	Direct analysis of monomer diffusion times in polyvinyl/acrylamide materials. <i>Applied Physics Letters</i> , 2008 , 92, 073306	3.4	24
258	Approximation for a large-angle simple pendulum period. <i>European Journal of Physics</i> , 2009 , 30, L25-L28	0.8	23
257	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. <i>Optics Communications</i> , 2004 , 233, 311-322	2	23
256	Numerical and Experimental Analysis of Large Deflections of Cantilever Beams Under a Combined Load. <i>Physica Scripta</i> , 2005 , 61	2.6	23
255	Theoretical and experimental study of the bleaching of a dye in a film-polymerization process. <i>Applied Optics</i> , 1998 , 37, 4496-9	1.7	23
254	Nonlinear oscillator with discontinuity by generalized harmonic balance method. <i>Computers and Mathematics With Applications</i> , 2009 , 58, 2117-2123	2.7	22
253	Improving the performance of PVA/AA photopolymers for holographic recording. <i>Optical Materials</i> , 2013 , 35, 668-673	3.3	21
252	Approximate expressions for the period of a simple pendulum using a Taylor series expansion. <i>European Journal of Physics</i> , 2011 , 32, 1303-1310	0.8	21
251	Temporal evolution of the angular response of a holographic diffraction grating in PVA/acrylamide photopolymer. <i>Optics Express</i> , 2003 , 11, 181-90	3.3	21
250	Exact solution for the unforced Duffing oscillator with cubic and quintic nonlinearities. <i>Nonlinear Dynamics</i> , 2016 , 86, 1687-1700	5	21
249	Approximate solutions of a nonlinear oscillator typified as a mass attached to a stretched elastic wire by the homotopy perturbation method. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 746-764	9.3	19
248	Rational harmonic balance based method for conservative nonlinear oscillators: Application to the Duffing equation. <i>Mechanics Research Communications</i> , 2009 , 36, 728-734	2.2	19
247	Educational Software for Interference and Optical Diffraction Analysis in Fresnel and Fraunhofer Regions Based on MATLAB GUIs and the FDTD Method. <i>IEEE Transactions on Education</i> , 2012 , 55, 118-125	2.1	18
246	Electrical dependencies of optical modulation capabilities in digitally addressed parallel aligned liquid crystal on silicon devices. <i>Optical Engineering</i> , 2014 , 53, 067104	1.1	18
245	An Improved 'Heuristic' Approximation for the Period of a Nonlinear Pendulum: Linear Analysis of a Classical Nonlinear Problem. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	18
244	Experimental evidence of mixed gratings with a phase difference between the phase and amplitude grating in volume holograms. <i>Optics Express</i> , 2002 , 10, 1374-83	3.3	18

243	Self-induced phase gratings due to the inhomogeneous structure of acrylamide photopolymer systems used as holographic recording materials. <i>Applied Physics Letters</i> , 1995 , 67, 3856-3858	3.4	18
242	Biophotopol: A Sustainable Photopolymer for Holographic Data Storage Applications. <i>Materials</i> , 2012 , 5, 772-783	3.5	17
241	Predictive capability of average Stokes polarimetry for simulation of phase multilevel elements onto LCoS devices. <i>Applied Optics</i> , 2015 , 54, 1379-86	1.7	16
240	Approximate solutions for the nonlinear pendulum equation using a rational harmonic representation. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 1602-1611	2.7	16
239	Higher order analytical approximate solutions to the nonlinear pendulum by He's homotopy method. <i>Physica Scripta</i> , 2009 , 79, 015009	2.6	16
238	Linearization of conservative nonlinear oscillators. <i>European Journal of Physics</i> , 2009 , 30, 259-270	0.8	16
237	Higher-order approximate solutions to the relativistic and Duffing-harmonic oscillators by modified He's homotopy methods. <i>Physica Scripta</i> , 2008 , 77, 025004	2.6	16
236	Real-time interferometric characterization of a polyvinyl alcohol based photopolymer at the zero spatial frequency limit. <i>Applied Optics</i> , 2007 , 46, 7506-12	1.7	16
235	High-efficiency volume holograms recording on acrylamide and N,N'-methylene-bis-acrylamide photopolymer with pulsed laser. <i>Journal of Modern Optics</i> , 2005 , 52, 1575-1584	1.1	16
234	Theoretical and experimental analysis of overmodulation effects in volume holograms recorded on BB-640 emulsions. <i>Journal of Optics</i> , 2001 , 3, 504-513		16
233	High-efficiency silver-halide sensitized gelatin holograms with low absorption and scatter. <i>Journal of Modern Optics</i> , 1998 , 45, 1985-1992	1.1	16
232	Roadmap on holography. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 123002	1.7	16
231	Surface relief model for photopolymers without cover plating. <i>Optics Express</i> , 2011 , 19, 10896-906	3.3	15
230	Homotopy perturbation method for a conservative . <i>Computers and Mathematics With Applications</i> , 2009 , 58, 2267-2273	2.7	15
229	Multiplexed holographic data page storage on a polyvinyl alcohol/acrylamide photopolymer memory. <i>Applied Optics</i> , 2008 , 47, 4448-56	0.2	15
228	Analysis of monomer diffusion in depth in photopolymer materials. <i>Optics Communications</i> , 2007 , 274, 43-49	2	15
227	Application of a modified rational harmonic balance method for a class of strongly nonlinear oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 6047-6052	2.3	15
226	Silver halide sensitized gelatin derived from BB-640 holographic emulsion. <i>Applied Optics</i> , 1999 , 38, 1348-56	1.5	15

225	Holographic waveguides in photopolymers. <i>Optics Express</i> , 2019 , 27, 827-840	3.3	15
224	Hologram multiplexing in acrylamide hydrophilic photopolymers. <i>Optics Communications</i> , 2008 , 281, 1354-1357	2	14
223	Solution of the relativistic (an)harmonic oscillator using the harmonic balance method. <i>Journal of Sound and Vibration</i> , 2008 , 311, 1447-1456	3.9	14
222	Characterization of polyvinyl alcohol/acrylamide holographic memories with a first-harmonic diffusion model. <i>Applied Optics</i> , 2005 , 44, 6205-10	1.7	14
221	Model for analyzing the effects of processing on recording material in thick holograms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1992 , 9, 1214	1.8	14
220	Holographic system for copying holograms by using partially coherent light. <i>Applied Optics</i> , 1992 , 31, 3312-9	1.7	14
219	Two diffusion photopolymer for sharp diffractive optical elements recording. <i>Optics Letters</i> , 2015 , 40, 3221-4	3	13
218	Spatial-phase-modulation-based study of polyvinyl-alcohol/acrylamide photopolymers in the low spatial frequency range. <i>Applied Optics</i> , 2009 , 48, 4403-13	0.2	13
217	Analysis of PVA/AA based photopolymers at the zero spatial frequency limit using interferometric methods. <i>Applied Optics</i> , 2008 , 47, 2557-63	1.7	13
216	Accurate approximate solution to nonlinear oscillators in which the restoring force is inversely proportional to the dependent variable. <i>Physica Scripta</i> , 2008 , 77, 065004	2.6	13
215	Comments on Investigation of the properties of the period for the nonlinear oscillator $x''+(1+x^2)x=0$. <i>Journal of Sound and Vibration</i> , 2007 , 303, 925-930	3.9	13
214	Extended linear polarimeter to measure retardance and flicker: application to liquid crystal on silicon devices in two working geometries. <i>Optical Engineering</i> , 2014 , 53, 014105	1.1	12
213	Birefringence of cello tape: Jones representation and experimental analysis. <i>European Journal of Physics</i> , 2010 , 31, 551-561	0.8	12
212	Higher accurate approximate solutions for the simple pendulum in terms of elementary functions. <i>European Journal of Physics</i> , 2010 , 31, L65-L70	0.8	12
211	Analytical approximate solutions for conservative nonlinear oscillators by modified rational harmonic balance method. <i>International Journal of Computer Mathematics</i> , 2010 , 87, 1497-1511	1.2	12
210	Relief diffracted elements recorded on absorbent photopolymers. <i>Optics Express</i> , 2012 , 20, 11218-31	3.3	12
209	Asymptotic representations of the period for the nonlinear oscillator. <i>Journal of Sound and Vibration</i> , 2007 , 299, 403-408	3.9	12
208	Stabilization of volume gratings recorded in polyvinyl alcohol-acrylamide photopolymers with diffraction efficiencies higher than 90%. <i>Journal of Modern Optics</i> , 2004 , 51, 491-503	1.1	12

207	Non-local polymerization driven diffusion based model: general dependence of the polymerization rate to the exposure intensity. <i>Optics Express</i> , 2003 , 11, 1876-86	3.3	12
206	Holographic Characteristics of an Acrylamide/Bisacrylamide Photopolymer in 400000 μm Thick Layers. <i>Physica Scripta</i> , 2005 , 66	2.6	12
205	Hologram recording in polyvinyl alcohol/acrylamide photopolymers by means of pulsed laser exposure. <i>Applied Optics</i> , 2002 , 41, 2613-20	1.7	12
204	Mixed phase-amplitude holographic gratings recorded in bleached silver halide materials. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 957-967	3	12
203	Exploring binary and ternary modulations on a PA-LCoS device for holographic data storage in a PVA/AA photopolymer. <i>Optics Express</i> , 2015 , 23, 20459-79	3.3	11
202	Holographic Lenses in an Environment-Friendly Photopolymer. <i>Polymers</i> , 2018 , 10,	4.5	11
201	APPROXIMATE ANALYTICAL SOLUTIONS FOR THE RELATIVISTIC OSCILLATOR USING A LINEARIZED HARMONIC BALANCE METHOD. <i>International Journal of Modern Physics B</i> , 2009 , 23, 521-536	1.1	11
200	A Novel Rational Harmonic Balance Approach for Periodic Solutions of Conservative Nonlinear Oscillators. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2009 , 10, 13-26	1.8	11
199	Volume Holograms in Photopolymers: Comparison between Analytical and Rigorous Theories. <i>Materials</i> , 2012 , 5, 1373-1388	3.5	11
198	Rigorous interference and diffraction analysis of diffractive optic elements using the finite-difference time-domain method. <i>Computer Physics Communications</i> , 2010 , 181, 1963-1973	4.2	11
197	Performance analysis of the FDTD method applied to holographic volume gratings: Multi-core CPU versus GPU computing. <i>Computer Physics Communications</i> , 2013 , 184, 469-479	4.2	10
196	Linearity in the response of photopolymers as optical recording media. <i>Optics Express</i> , 2013 , 21, 10995-10008	3.9	10
195	Overmodulation Control in the Optimization of a H-PDLC Device with Ethyl Eosin as Dye. <i>International Journal of Polymer Science</i> , 2013 , 2013, 1-8	2.4	10
194	Harmonic balancing approach to nonlinear oscillations of a punctual charge in the electric field of charged ring. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 735-740	2.3	10
193	Analytical Approximate Solutions for the Cubic-Quintic Duffing Oscillator in Terms of Elementary Functions. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-16	1.1	10
192	Generation of diffractive optical elements onto a photopolymer using a liquid crystal display 2010 ,		10
191	Accurate control of a liquid-crystal display to produce a homogenized Fourier transform for holographic memories. <i>Optics Letters</i> , 2007 , 32, 2511-3	3	10
190	Optimization of a fixation-free rehalogenating bleach for BB-640 holographic emulsion. <i>Journal of Modern Optics</i> , 2000 , 47, 1671-1679	1.1	10

189	Method for the characterization of hologram processing. <i>Journal of Modern Optics</i> , 1998 , 45, 881-888	1.1	10
188	Noise sources in silver halide volume diffuse-object holograms. <i>Optical Engineering</i> , 1995 , 34, 1108	1.1	10
187	Holographic Noise Gratings for Analysing and Optimizing Photochemical Processings in Bleached Silver Halide Emulsions. <i>Journal of Modern Optics</i> , 1993 , 40, 687-697	1.1	10
186	New theoretical matrix formula for intraocular lens calculation using the optimal bending factor. <i>Journal of Cataract and Refractive Surgery</i> , 1993 , 19, 293-7	2.3	10
185	Optimized spatial frequency response in silver halide sensitized gelatin. <i>Applied Optics</i> , 1992 , 31, 4625-7	1.7	10
184	A two-step method for recording holographic optical elements with partially coherent light. <i>Journal of Optics</i> , 1991 , 22, 135-140		10
183	Dimensional changes in slanted diffraction gratings recorded in photopolymers. <i>Optical Materials Express</i> , 2016 , 6, 3455	2.6	10
182	Nonlinear oscillator with power-form elastic-term: Fourier series expansion of the exact solution. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 22, 134-148	3.7	9
181	Peristrophic multiplexed holograms recorded in a low toxicity photopolymer. <i>Optical Materials Express</i> , 2017 , 7, 133	2.6	9
180	Holographic grating stability: influence of 4,4'-azobis (4-cyanopentanoic acid) on various spatial frequencies. <i>Applied Optics</i> , 2013 , 52, 6322-31	1.7	9
179	Acceleration of split-field finite difference time-domain method for anisotropic media by means of graphics processing unit computing. <i>Optical Engineering</i> , 2013 , 53, 011005	1.1	9
178	Study of reflection gratings recorded in polyvinyl alcohol/acrylamide-based photopolymer. <i>Applied Optics</i> , 2009 , 48, 6553-7	0.2	9
177	Improved maximum uniformity and capacity of multiple holograms recorded in absorbent photopolymers. <i>Optics Express</i> , 2007 , 15, 9308-19	3.3	9
176	Application of He's Homotopy Perturbation Method to the Relativistic (An)harmonic Oscillator. I: Comparison between Approximate and Exact Frequencies. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	9
175	Diffusion-based model to predict the conservation of gratings recorded in poly(vinyl alcohol)-acrylamide photopolymer. <i>Applied Optics</i> , 2003 , 42, 5839-45	1.7	9
174	An analysis of the classical Doppler effect. <i>European Journal of Physics</i> , 2003 , 24, 497-505	0.8	9
173	Silver halide sensitized gelatin holograms in Slavich PFG-01 red-sensitive emulsion. <i>Journal of Modern Optics</i> , 1999 , 46, 1913-1925	1.1	9
172	Diffraction efficiency and signal-to-noise ratio of diffuse-object holograms in real time in polyvinyl alcohol photopolymers. <i>Applied Optics</i> , 1999 , 38, 5548-51	1.7	9

171	Entropy-based study of imaging quality in holographic optical elements. <i>Optics Letters</i> , 1994 , 19, 1355-73		9
170	Effective angular and wavelength modeling of parallel aligned liquid crystal devices. <i>Optics and Lasers in Engineering</i> , 2015 , 74, 114-121	4.6	8
169	Analysis of holographic polymer-dispersed liquid crystals (HPDLCs) for tunable low frequency diffractive optical elements recording. <i>Optical Materials</i> , 2018 , 76, 295-301	3.3	8
168	Characterization and comparison of different photopolymers for low spatial frequency recording. <i>Optical Materials</i> , 2015 , 44, 18-24	3.3	8
167	Monomer diffusion in sustainable photopolymers for diffractive optics applications. <i>Optical Materials</i> , 2011 , 33, 1626-1629	3.3	8
166	Linear response deviations during recording of diffraction gratings in photopolymers. <i>Optics Express</i> , 2009 , 17, 13193-201	3.3	8
165	Analysis of multiplexed holograms stored in a thick PVA/AA photopolymer. <i>Optics Communications</i> , 2008 , 281, 1480-1485	2	8
164	Determination of the refractive index and thickness of holographic silver halide materials by use of polarized reflectances. <i>Applied Optics</i> , 2002 , 41, 6802-8	1.7	8
163	The influence of the development in silver halide sensitized gelatin holograms derived from PFG-01 plates. <i>Optics Communications</i> , 2000 , 173, 161-167	2	8
162	Silver halide sensitized gelatin as a holographic recording material. <i>Optics and Laser Technology</i> , 1995 , 27, 285-292	4.2	8
161	Noise gratings in bleached silver halide diffuse-object holograms. <i>Optics Letters</i> , 1994 , 19, 1243-5	3	8
160	Holographic Characteristics of Photopolymers Containing Different Mixtures of Nematic Liquid Crystals. <i>Polymers</i> , 2019 , 11,	4.5	7
159	Biophotopolymer energetic sensitivity improved in 300nm layers by tuning the recording wavelength. <i>Optical Materials</i> , 2016 , 52, 111-115	3.3	7
158	Higher Accuracy Approximate Solution for Oscillations of a Mass Attached to a Stretched Elastic Wire by Rational Harmonic Balance Method. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2009 , 10,	1.8	7
157	Fixation-free bleached silver halide transmission holograms recorded on Slavich PFG-01 red sensitive plates. <i>Journal of Modern Optics</i> , 2001 , 48, 1643-1655	1.1	7
156	Comparison of nonlinear characteristics of phase holograms processed by various combinations of developers and bleaching agents. <i>Journal of Modern Optics</i> , 1999 , 46, 591-604	1.1	7
155	Nonlinear recording of amplitude holograms in agfa 8E75HD: comparison of two developers. <i>Optics Communications</i> , 1994 , 111, 225-232	2	7
154	Efficiency of Thick Phase Holograms in the Presence of Shear-type Effects Due to Processing. <i>Journal of Modern Optics</i> , 1992 , 39, 889-899	1.1	7

153	Influence of R-10 bleaching on latent image formation in silver halide-sensitized gelatin. <i>Applied Optics</i> , 1992 , 31, 3203-5	1.7	7
152	Imaging in white light with a thick-phase transmission holographic doublet. <i>Journal of Optics</i> , 1989 , 20, 263-268		7
151	Multi-GPU and multi-CPU accelerated FDTD scheme for vibroacoustic applications. <i>Computer Physics Communications</i> , 2015 , 191, 43-51	4.2	6
150	Comments on \square finite extensibility nonlinear oscillator \square <i>Applied Mathematics and Computation</i> , 2012 , 218, 6168-6175	2.7	6
149	ANALYSIS OF REFLECTION GRATINGS BY MEANS OF A MATRIX METHOD APPROACH. <i>Progress in Electromagnetics Research</i> , 2011 , 118, 167-183	3.8	6
148	Comparison of simplified theories in the analysis of the diffraction efficiency in surface-relief gratings 2012 ,		6
147	An Equivalent Linearization Method for Conservative Nonlinear Oscillators. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2008 , 9,	1.8	6
146	Application of He's Homotopy Perturbation Method to the Relativistic (An)harmonic Oscillator. II: A More Accurate Approximate Solution. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2007 , 8,	1.8	6
145	Stabilization of volume gratings recorded in polyvinyl alcohol-acrylamide photopolymers with diffraction efficiencies higher than 90%. <i>Journal of Modern Optics</i> , 2004 , 51, 491-503	1.1	6
144	Angular responses of the first diffracted order in over-modulated volume diffraction gratings. <i>Journal of Modern Optics</i> , 2004 , 51, 1149-1162	1.1	6
143	Analysis of Second and Third Diffracted Orders in Volume Diffraction Gratings Recorded on Photopolymers. <i>Physica Scripta</i> , 2005 , 58	2.6	6
142	Bleached silver halide volume holograms recorded on Slavich PFG-01 emulsion: The influence of the developer. <i>Journal of Modern Optics</i> , 2001 , 48, 1479-1494	1.1	6
141	Copying low spatial frequency diffraction gratings in photopolymer as phase holograms. <i>Journal of Modern Optics</i> , 2000 , 47, 1089-1097	1.1	6
140	Effects of overmodulation in fixation-free rehalogenating bleached holograms. <i>Applied Optics</i> , 2001 , 40, 3402-8	1.7	6
139	Noise gratings recorded with single-beam exposures in silver halide emulsions: the influence of the bleach bath. <i>Optical and Quantum Electronics</i> , 1993 , 25, 139-145	2.4	6
138	Additives Type Schiff's Base as Modifiers of the Optical Response in Holographic Polymer-Dispersed Liquid Crystals. <i>Polymers</i> , 2017 , 9,	4.5	5
137	Performance analysis of SSE and AVX instructions in multi-core CPUs and GPU computing on FDTD scheme for solid and fluid vibration problems. <i>Journal of Supercomputing</i> , 2014 , 70, 514-526	2.5	5
136	Diffractive and interferometric methods to characterize photopolymers with liquid crystal molecules as holographic recording material. <i>Journal of the European Optical Society-Rapid Publications</i> , 2012 , 7,	2.5	5

135	Development of a unified FDTD-FEM library for electromagnetic analysis with CPU and GPU computing. <i>Journal of Supercomputing</i> , 2013 , 64, 28-37	2.5	5
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