

Kityk Iv

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255 papers	3,839 citations	31 h-index	44 g-index
259 ext. papers	4,285 ext. citations	3.6 avg, IF	5.51 L-index

#	Paper	IF	Citations
255	ThDione: A Powerful Electron-Withdrawing Moiety for Push-Pull Molecules. <i>ChemPlusChem</i> , 2020 , 85, 1549-1558	2.8	3
254	Laser-stimulated piezo-optical and third harmonic generation studies for Na ₂ O ¹¹ B ₂ O ₃ glass ceramics-influence of gold ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3782-3791	2.1	4
253	Strategic improvement of second and third harmonic generation in multifunctional Cu-Sn-S ₃ ternary semiconducting thin films. <i>Optics and Laser Technology</i> , 2019 , 120, 105748	4.2	
252	Femtosecond laser stimulated anisotropy of electrolytically produced CdS polymer nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 17741-17746	2.1	
251	Methodical engineering of defects in Mn _x Zn _{1-x} O (x = 0.03, and 0.05) nanostructures by electron beam for nonlinear optical applications: A new insight. <i>Ceramics International</i> , 2019 , 45, 8988-8999	5.1	2
250	DFT simulations of optoelectronic and elastic features of cubic samarium zirconate (Sm ₂ Zr ₂ O ₇). <i>Computational Condensed Matter</i> , 2019 , 21, e00414	1.7	2
249	Laser stimulated second and third harmonic optical effects in F: SnO ₂ nanostructures grown via chemical synthetic route. <i>Optics and Laser Technology</i> , 2019 , 119, 105636	4.2	1
248	Laser-induced gratings in Ag ₃ AsS ₃ semiconductors. <i>Physica B: Condensed Matter</i> , 2019 , 569, 36-39	2.8	
247	Investigation of mechanical and radiation shielding features of heavy metal oxide based phosphate glasses for gamma radiation attenuation applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12140-12151	2.1	19
246	Novel nonlinear optical push-pull fluorene dyes chromophore as promising materials for telecommunications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12180-12185	2.1	16
245	Effect of Na doping on photoluminescence and laser stimulated nonlinear optical features of ZnO nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2019 , 101, 139-148	4.3	12
244	Characterization of linear and nonlinear optical properties of phosphorylated CREB protein for application in biosensing. <i>Materials Chemistry and Physics</i> , 2019 , 233, 141-144	4.4	2
243	Insight into the Optoelectronic and Thermoelectric Properties of Mn Doped ZnTe from First Principles Calculation. <i>Crystals</i> , 2019 , 9, 247	2.3	2
242	Surface functionalization by silver-containing molecules with controlled distribution of functionalities. <i>Applied Surface Science</i> , 2019 , 481, 433-436	6.7	6
241	An electron beam induced study in fluorine doped ZnO nanostructures for optical filtering and frequency conversion application. <i>Optics and Laser Technology</i> , 2019 , 115, 519-530	4.2	7
240	Small isomeric push-pull chromophores based on thienothiophenes with tunable optical (non)linearities. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 3623-3634	3.9	20
239	Effect of S and Se replacement on electronic and thermoelectric features of BaCu ₂ GeQ ₄ (Q = S, Se) chalcogenide crystals. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 666-674	5.7	10

238	Preparation, electronic structure and piezooptical properties of solid solutions Ti_3PbBr_5 <i>Materials Chemistry and Physics</i> , 2019 , 227, 255-264	4.4	1
237	Construction of heterometallic and mixed-valence copper(I/II) chloride complexes with 1,2,4-triazole allyl-derivative. <i>Inorganica Chimica Acta</i> , 2019 , 495, 119012	2.7	7
236	Novel dibenzothiophene chromophores with peripheral barbituric acceptors. <i>Tetrahedron</i> , 2019 , 75, 130459	2.4	6
235	(INVITED) Positron annihilation spectroscopy and third harmonic generation studies on MnO mixed lead zirconium silicate glass ceramics. <i>Optical Materials: X</i> , 2019 , 1, 100024	1.7	0
234	Fluorescence features of Tm^{3+} -doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications. <i>Optical Materials</i> , 2019 , 96, 109354	3.3	12
233	The Progress in the Field Auxiliary Donors and their Application in Novel Organic Second-Order Nonlinear Optical Chromophores. <i>Mini-Reviews in Organic Chemistry</i> , 2019 , 16, 228-235	1.7	7
232	The novel copper(I) complexes with 1-(aryl)-5-(allylthio)-1H-tetrazoles: Synthesis, structure characterization, DFT-calculation and third-order nonlinear optics. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 1049-1063	1.6	8
231	Doping induced effect on optical and band structure properties of $\text{Sr}_2\text{Si}_5\text{N}_8$ based phosphors: DFT approach. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 1072-1079	5.7	9
230	Photosensitive carbon supercapacitor: cavitated nanoporous carbon from iodine doped cyclodextrin. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 108, 164-168	3	2
229	Characterization of $\text{Bi}_2\text{O}_3\text{ZnO}$ B_2O_3 and TeO_2ZnO CdO Li_2O V_2O_5 glass systems for shielding gamma radiation using MCNP5 and Geant4 codes. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 126, 112-123	3.9	30
228	Borotellurite Glasses for Gamma-Ray Shielding: An Exploration of Photon Attenuation Coefficients and Structural and Thermal Properties. <i>Journal of Electronic Materials</i> , 2019 , 48, 930-941	1.9	11
227	The effect of composition on photoconductivity and nonlinear optical properties in the acentric $\text{Ag}_2\text{In}_2\text{AB}_6$ ($\text{A} = \text{Si, Ge}$, $\text{B} = \text{S, Se}$) crystals. <i>Optik</i> , 2019 , 179, 948-956	2.5	2
226	A study of 8 MeV e-beam on localized defect states in ZnO nanostructures and its role on photoluminescence and third harmonic generation. <i>Journal of Luminescence</i> , 2019 , 207, 321-332	3.8	20
225	Formation of nano-size Cr layers on LiNbO_3 crystal surfaces by dissimilar electric charges. <i>Optik</i> , 2019 , 180, 91-95	2.5	1
224	Elastic and optoelectronic properties of CaTa_2O_6 compounds: Cubic and orthorhombic phases. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 232-239	5.7	17
223	Tunable white-light emission from $\text{Pr}^{3+}/\text{Dy}^{3+}$ co-doped B_2O_3 - TeO_2 PbO - ZnO Li_2O - Na_2O glasses. <i>Optical Materials</i> , 2019 , 88, 558-569	3.3	22
222	Influence of CdS nanoparticles grain morphology on laser-induced absorption. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 100, 69-72	3	2
221	Optically poled SHG and THG effects in cesium doped zinc oxide nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 15291-15298	2.1	3

220	Photoluminescence features of magnetic nano-metric metal oxides. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10123-10128	2.1	5
219	Influence of Cr ³⁺ doping on the enhanced dielectric and nonlinear optical features of pyroelectric Pb ₅ Ge ₃ O ₁₁ single crystals. <i>Materials Chemistry and Physics</i> , 2018 , 213, 461-471	4.4	8
218	Optical and non-linear optical properties of the solid solutions AgGaGe ₃ (1-x)Si ₃ xSe ₈ . <i>Optik</i> , 2018 , 168, 397-402	2.5	
217	Effects of compressed strain on thermoelectric properties of Cu ₃ SbSe ₄ . <i>Journal of Alloys and Compounds</i> , 2018 , 750, 804-810	5.7	6
216	Nd ³⁺ -doped heavy metal oxide based multicomponent borate glasses for 1.06 μ m solid-state NIR laser and O-band optical amplification applications. <i>Optical Materials</i> , 2018 , 78, 142-159	3.3	34
215	Synthesis, structural and NLO properties of the novel copper(I) p-toluenesulfonate Ecomplex with 1-allyloxybenzotriazole. <i>Chemical Physics Letters</i> , 2018 , 694, 112-119	2.5	12
214	Operation by optoelectronic features of cadmium sulphide nanocrystallites embedded into the photopolymer polyvinyl alcohol matrices. <i>Applied Surface Science</i> , 2018 , 446, 209-214	6.7	3
213	PbGa ₂ GeS ₆ crystal as a novel nonlinear optical material: Band structure aspects. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 294-304	5.7	20
212	Laser stimulated third harmonic generation studies in ZnO-Ta ₂ O ₅ -B ₂ O ₃ glass ceramics entrenched with Zn ₃ Ta ₂ O ₈ crystal phases. <i>Optical Materials</i> , 2018 , 76, 90-96	3.3	10
211	Synthesis and nonlinear optical properties of novel conjugated small molecules based on indole donor. <i>Journal of Molecular Structure</i> , 2018 , 1165, 223-227	3.4	15
210	A novel copper(I) sulfamate Ecomplex based on the 5-(allylthio)-1-(3,5-dimethylphenyl)-1H-tetrazole ligand: Alternating-current electrochemical crystallization, DFT calculations, structural and NLO properties studies. <i>Polyhedron</i> , 2018 , 147, 86-93	2.7	16
209	NIR and visible luminescence features of erbium doped Ga ₂ S ₃ -La ₂ S ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018 , 498, 380-385	3.9	10
208	Ab initio calculations of the electronic structure and specific optical features of ELiNH ₄ SO ₄ single crystals. <i>Physica B: Condensed Matter</i> , 2018 , 528, 37-46	2.8	10
207	Experimental and theoretical analyses of the nonlinear optical effects in magnesium and copper co-doped zinc oxide nanorods. <i>Journal of Alloys and Compounds</i> , 2018 , 734, 275-281	5.7	2
206	Electronic structure and laser induced piezoelectricity of a new quaternary compound TlInGe ₃ S ₈ . <i>Materials Chemistry and Physics</i> , 2018 , 204, 336-344	4.4	12
205	Specific thermoelectric features of novel CaPd ₃ B ₄ O ₁₂ (B = Ti, V) perovskites following DFT calculations. <i>Physica B: Condensed Matter</i> , 2018 , 545, 330-336	2.8	3
204	Phase diagram and specific band gap features of novel TlGaSe ₂ : Zn ²⁺ (Cd ²⁺ , Hg ²⁺) crystals. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 667-675	5.7	1
203	Laser operated nonlinear optical studies of BiFe _{0.9} Cr _{0.1} O ₃ and BiFe _{0.9} Al _{0.1} O ₃ multiferroics. <i>Materials Chemistry and Physics</i> , 2018 , 218, 28-33	4.4	

202	Enhancement of the efficiency of the third harmonic generation process in ZnO:F thin films probed by photoluminescence and Raman spectroscopy. <i>Materials Science in Semiconductor Processing</i> , 2018 , 87, 100-109	4.3	9
201	Laser-induced linear and non-linear optical features in novel benzoxazole-based on donor-acceptor chromophores. <i>Journal of Molecular Structure</i> , 2018 , 1173, 531-540	3.4	2
200	Photoconductivity and laser operated piezoelectricity the Ag-Ga-Ge-(S,Se) crystals and solid solutions. <i>Materials Science in Semiconductor Processing</i> , 2018 , 86, 101-110	4.3	4
199	Synthesis and features of nonlinear optical switches based on dithienylethene unit. <i>Tetrahedron Letters</i> , 2018 , 59, 3448-3452	2	3
198	Physical Properties, Optical band gaps and Radiation Shielding Parameters Exploration for Dy ³⁺ -doped Alkali/Mixed Alkali Multicomponent Borate Glasses. <i>Glass Physics and Chemistry</i> , 2018 , 44, 279-291	0.7	15
197	Specific features of structural, electronic, optical and elastic properties of the cubic calcium pyroniobate Ca ₂ Nb ₂ O ₇ crystals. <i>Physica B: Condensed Matter</i> , 2018 , 545, 69-75	2.8	8
196	Crystal structure and NLO properties of the novel tetranuclear copper(I) chloride E-complex with 3-allyl-2-(allylimino)-1,3-thiazolidin-4-one. <i>Journal of Molecular Structure</i> , 2018 , 1171, 644-649	3.4	16
195	Erbium-doped fluorotellurite titanate glasses for near infrared broadband amplifiers. <i>Optical Materials</i> , 2018 , 83, 257-262	3.3	15
194	Effect of alkali/mixed alkali metal ions on the thermal and spectral characteristics of Dy ³⁺ :B ₂ O ₃ -PbO-Al ₂ O ₃ -ZnO glasses. <i>Journal of Non-Crystalline Solids</i> , 2018 , 481, 191-201	3.9	26
193	Thallium indium germanium sulphide (TlInGe ₂ S ₆) as efficient material for nonlinear optical application. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1694-1702	5.7	10
192	Er/Pr-codoped borotellurite glasses as efficient laser operated nonlinear optical materials. <i>Materials Letters</i> , 2018 , 214, 23-25	3.3	9
191	PbGa ₆ Te ₁₀ crystals for IR laser operated piezoelectricity. <i>Materials Research Bulletin</i> , 2018 , 100, 131-137.1	5.1	4
190	Theoretical studies of hydrazine detection by pure and Al defected MgO nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 97, 239-249	3	19
189	Vibrational, thermal features, and photon attenuation coefficients evaluation for TeO ₂ -B ₂ O ₃ -BaO-ZnO-Na ₂ O-Er ₂ O ₃ -Pr ₆ O ₁₁ glasses as gamma-rays shielding materials. <i>Journal of Non-Crystalline Solids</i> , 2018 , 481, 568-578	3.9	39
188	Positron annihilation exploration of voids in zinc zirconium borate glass ceramics entrenched with ZnZrO ₃ perovskite crystal phases. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2010-2016	6	12
187	Optical and dielectric studies for Tb ³⁺ /Sm ³⁺ co-doped borate glasses for solid-state lighting applications. <i>Optical Materials</i> , 2018 , 86, 387-393	3.3	14
186	A novel approach for tailoring structural, morphological, photoluminescence and nonlinear optical features in spray coated Cu:ZnO nanostructures via e-beam. <i>CrystEngComm</i> , 2018 , 20, 6502-6518	3.3	14
185	(Ga ₅₅ In ₄₅) ₂ S ₃₀₀ Nanocrystallites as Novel Materials for Nonlinear Optical Detection of Gamma Radiation. <i>MRS Advances</i> , 2018 , 3, 1783-1788	0.7	3

184	Effect of Coulomb interactions on optoelectronic and magnetic properties of novel A ₂ V ₂ O ₇ (A= Fe and Co) compounds. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 536-545	5.7	16
183	Specific features of photoconductivity and photoinduced piezoelectricity in AgGaGe ₃ Se ₈ doped crystals. <i>Optical Materials</i> , 2017 , 63, 197-206	3.3	9
182	Ionicity and birefringence of LiNH ₄ SO ₄ crystals: ab initio DFT study, X-ray spectroscopy measurements. <i>RSC Advances</i> , 2017 , 7, 6889-6901	3.7	10
181	Structural, thermal, and optical absorption studies of Er ³⁺ , Tm ³⁺ , and Pr ³⁺ -doped borotellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2017 , 459, 150-159	3.9	39
180	Nonlinear optical properties of polyaniline and poly (o -toluidine) composite thin films with multi walled carbon nano tubes. <i>Physica B: Condensed Matter</i> , 2017 , 512, 45-53	2.8	10
179	Structural, thermal and optical investigations of Dy ³⁺ -doped B ₂ O ₃ –WO ₃ –ZnO–Bi ₂ O ₃ –Na ₂ O glasses for warm white light emitting applications. <i>Journal of Luminescence</i> , 2017 , 186, 283-300	3.8	92
178	Design and preparation of novel Diels–Alder crosslinking polymer and its application in NLO materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 8480-8486	2.1	6
177	Different modifier oxides effect on the photoluminescence and photoinduced piezooptics of Er ³⁺ -doped fluorotellurite glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 8969-8975	3.7	7
176	Optically operated second order optical effects in some substituted 4-(5-nitro-1,3-benzoxazol-2-yl)aniline chromophores. <i>Dyes and Pigments</i> , 2017 , 141, 333-341	4.6	8
175	Physical characteristics of PbO–ZrO ₂ –Bi ₂ O ₃ :TiO ₂ glass ceramics embedded with Pb ₂ Ti ₂ O ₆ cubic pyrochlore crystal phase: Part-I electrical properties. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 672-686	5.7	17
174	Structural and optical studies of Er ³⁺ -doped alkali/alkaline oxide containing zinc boro-aluminosilicate glasses for 1.5- μ m optical amplifier applications. <i>Optical Materials</i> , 2017 , 69, 401-419	3.3	36
173	Significant photoinduced increment of reflectivity coefficient in LiNa ₅ Mo ₉ O ₃₀ . <i>Current Applied Physics</i> , 2017 , 17, 1100-1107	2.6	2
172	Facile preparation of crosslinkable organic EO polymers based on AZO nonlinear optical chromophore: great indemnification for long term of stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 4931-4940	2.1	6
171	Synthesis, structural, X-ray photoelectron spectroscopy (XPS) studies and IR induced anisotropy of Tl ₄ HgI ₆ single crystals. <i>Materials Chemistry and Physics</i> , 2017 , 187, 156-163	4.4	14
170	Laser stimulated piezo-optics of γ -irradiated (Ga ₅₅ In ₄₅) ₂ S ₃₀₀ and (Ga _{54.59} In _{44.66} Er _{0.75}) ₂ S ₃₀₀ single crystals. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 265-271	5.7	10
169	Synthesis and luminescent properties of GdNbO ₄ :Bi ³⁺ phosphors via high temperature high pressure. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 1-8	5.7	16
168	Investigation of structural, thermal properties and shielding parameters for multicomponent borate glasses for gamma and neutron radiation shielding applications. <i>Journal of Non-Crystalline Solids</i> , 2017 , 471, 222-237	3.9	95
167	Synthesis, electronic structure and optical properties of PbBr _{1.2} I _{0.8} . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017 , 218, 13-20	1.7	2

166	Laser operated PVA polymer/(TeO ₂ -(x))ZnO/WO ₃ /TiO ₂ /Na ₂ O (x = Bi ₂ O ₃ or Pr ₂ O ₃ mol %) glass composites. <i>Journal of Non-Crystalline Solids</i> , 2017 , 471, 146-150	3.9	2
165	Modification of indole by electron-rich atoms and their application in novel electron donor materials. <i>Chemical Physics Letters</i> , 2017 , 681, 105-109	2.5	15
164	Tuning the third-order nonlinear optical properties of In:ZnO thin films by 8 MeV electron beam irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 110, 260-265	3.9	12
163	Band structure, electronic and optical features of Tl ₄ SnX ₃ (X = Bi, Te) ternary compounds for optoelectronic applications. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 600-607	5.7	20
162	Synthesis, structural, electronic and linear electro-optical features of new quaternary Ag ₂ Ga ₂ SiS ₆ compound. <i>Journal of Solid State Chemistry</i> , 2017 , 246, 363-371	3.3	10
161	Multipodal arrangement of push-pull chromophores: a fundamental parameter affecting their electronic and optical properties. <i>New Journal of Chemistry</i> , 2017 , 41, 1459-1472	3.6	20
160	Structural, thermal, optical and dielectric studies of Dy ³⁺ : B ₂ O ₃ -ZnO-PbO-Na ₂ O-CaO glasses for white LEDs application. <i>Optical Materials</i> , 2017 , 73, 686-694	3.3	19
159	Structure-property relationships and third-order nonlinearities in diketopyrrolopyrrole based D-π-A-πD molecules. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 2374-2384	2.5	6
158	Novel poly(aryl ether ketone) with electro-optic chromophore side chains for light modulators. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18568-18577	2.1	5
157	Parametrized optical functions of strontium barium niobate crystals in the vacuum ultraviolet spectral range. <i>Journal of Applied Physics</i> , 2017 , 122, 115110	2.5	2
156	Effect of electron beam on structural, linear and nonlinear properties of nanostructured Fluorine doped ZnO thin films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 94, 190-195	3	14
155	Physical characteristics of PbO/ZrO ₂ /BiO ₂ :TiO ₂ glass ceramics embedded with Pb ₂ Ti ₂ O ₆ cubic pyrochlore crystal phase: Part-III-piezo-optical acoustic and elastic properties. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 318-325	5.7	9
154	Functionalized mesoporous silica thin films as a tunable nonlinear optical material. <i>Nanoscale</i> , 2017 , 9, 12110-12123	7.7	18
153	Third order nonlinear optical effects of ZnO/ZrO ₂ /B ₂ O ₃ glass ceramics embedded with ZnZrO ₃ perovskite crystal phases. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 16403-16414	2.1	10
152	AgGaSiSe ₄ : Growth, crystal and band electronic structure, optoelectronic and piezoelectric properties. <i>Materials Research Bulletin</i> , 2017 , 95, 177-184	5.1	3
151	Photoconductivity relaxation processes in AgCd ₂ GaS ₄ single crystals. <i>Materials Chemistry and Physics</i> , 2017 , 200, 250-256	4.4	1
150	(Ga _{54.59} In _{44.66} Er _{0.75}) ₂ S ₃₀₀ single crystal: novel material for detection of γ-radiation by photoinduced nonlinear optical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14097-14102	2.1	7
149	Optical absorption, luminescence, and energy transfer processes studies for Dy ³⁺ /Tb ³⁺ -codoped borate glasses for solid-state lighting applications. <i>Optical Materials</i> , 2017 , 72, 380-391	3.3	38

148	Structural, thermal, and optical analysis of zinc boro-aluminosilicate glasses containing different alkali and alkaline modifier ions. <i>Journal of Non-Crystalline Solids</i> , 2017 , 456, 55-63	3.9	31
147	UV-induced acoustooptics of matrices containing BaHf(BO ₃) ₂ microcrystallites embedded into olygoetheracrylate photopolymer. <i>Materials Chemistry and Physics</i> , 2017 , 187, 11-17	4.4	
146	Photo-induced anisotropy in ZnO/PVA nanocomposites prepared by modified electrochemical method in PMA matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 86, 184-189	3	5
145	Physical, structural, thermal, and optical spectroscopy studies of TeO ₂ B ₂ O ₃ MoO ₃ SnO ₂ O (R ²⁺ =Li, Na, and K)/MO (M ²⁺ =Mg, Ca, and Pb) glasses. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 799-816	5.7	128
144	Photoconductivity and nonlinear optical features of novel Ag x Ga x Ge 1-x Se 2 crystals. <i>Materials Research Bulletin</i> , 2017 , 85, 74-79	5.1	15
143	DNA-hexadecyltrimethyl ammonium chloride complex with enhanced thermostability as promising electronic and optoelectronic material. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 259-268	2.1	6
142	Enhancement of second harmonic generation in nanocrystalline SiC films based natural microcavities. <i>Optical Materials</i> , 2017 , 63, 122-127	3.3	3
141	Computational investigations on band structure and electronic features of chromium-based carbides and nitride Cr ₃ PX (X=C and N) through the FP-APW+LO approach. <i>Superlattices and Microstructures</i> , 2017 , 109, 1-12	2.8	5
140	Effect of temperature on the structure and luminescence properties of Ag _{0.05} Ga _{0.05} Ge _{0.95} S ₂ -Er ₂ S ₃ glasses. <i>Journal of Luminescence</i> , 2017 , 181, 315-320	3.8	20
139	Novel Quaternary TlGaSn ₂ Se ₆ Single Crystal as Promising Material for Laser Operated Infrared Nonlinear Optical Modulators. <i>Crystals</i> , 2017 , 7, 341	2.3	11
138	Specific features of nonlinear optical properties of Eu ³⁺ doped BiFeO ₃ nanopowders near antiferromagnetic transition. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 398, 127-130	2.8	6
137	Fabrication and characterization of highly luminescent Er ³⁺ :Al ₂ O ₃ thin films with optimized growth parameters. <i>Optical Materials</i> , 2016 , 60, 57-61	3.3	6
136	Experimental and theoretical study of the electronic structure and optical spectral features of PbIn ₆ Te ₁₀ . <i>RSC Advances</i> , 2016 , 6, 73107-73117	3.7	5
135	Concentration dependent structural, thermal, and optical features of Pr ³⁺ -doped multicomponent tellurite glasses. <i>Journal of Alloys and Compounds</i> , 2016 , 686, 769-784	5.7	63
134	Synthesis, structural, and electrical characterization of RuO ₂ sol-gel spin-coating nano-films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10791-10797	2.1	11
133	Novel AgGa _{0.95} In _{0.05} Ge ₃ Se ₈ crystalline alloys for light-operated piezoelectricity. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 408-413	5.7	11
132	Effect of intercalation and chromophore arrangement on the linear and nonlinear optical properties of model aminopyridine push-pull molecules. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 468-478	7.1	37
131	N ³⁻ -Coordinated Stannaoxidoborates Containing a SnB ₄ O ₆ Unit. <i>Inorganic Chemistry</i> , 2016 , 55, 1587-94	5.1	5

130	Laser induced third harmonic generation in Bi _{1-x} Nd _x B ₃ O ₆ nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 78, 31-34	3	2
129	Single crystal growth and electronic structure of TlPbI ₃ . <i>Materials Chemistry and Physics</i> , 2016 , 172, 165-172	4	31
128	Optically operated linear electrooptical effect in Bi _{1-x} Nd _x B ₃ O ₆ /polymer composites. <i>Optics Communications</i> , 2016 , 364, 13-17	2	5
127	Tl ₄ SnS ₃ , Tl ₄ SnSe ₃ and Tl ₄ SnTe ₃ crystals as novel IR induced optoelectronic materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 3901-3905	2.1	16
126	Structure-dependent anisotropy of the photoinduced optical nonlinearity in calcium doped ZnO nanorods grown by low cost hydrothermal method for photonic device applications. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 435-439	5.7	29
125	A Novel Effect of CO ₂ Laser Induced Piezoelectricity in Ag ₂ Ga ₂ Si ₆ S ₆ Chalcogenide Crystals. <i>Crystals</i> , 2016 , 6, 107	2.3	5
124	ZnS/PVA nanocomposites for nonlinear optical applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 81, 281-289	3	21
123	Third order nonlinear optical features of Bi ₂ Fe ₄ O ₉ multiferroic near antiferromagnetic phase transitions. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 412-418	5.7	4
122	Laser operated piezoelectricity in Ag _{0.5} Pb _{1.75} Ge ₄ S ₄ and Ag _{0.5} Pb _{1.75} Ge ₃ Se ₃ crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9589-9592	2.1	3
121	Synthesis and structure of novel Ag ₂ Ga ₂ Si ₆ S ₆ crystals: promising materials for dynamic holographic image recording. <i>RSC Advances</i> , 2016 , 6, 90958-90966	3.7	13
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114	Experimental and theoretical investigation of the electronic structure and optical properties of TlHgCl ₃ single crystal. <i>Optical Materials</i> , 2015 , 47, 445-452	3.3	6
113	Laser operated optical features in BaTeMo ₂ O ₉ :Cr ³⁺ nanocrystallites. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 327-331	5.7	

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111	Optimization of polycyclic electron-donors based on julolidinyl structure in push-pull chromophores for second order NLO effects. <i>Dyes and Pigments</i> , 2015 , 122, 74-84	4.6	80
110	Influence of Al-doped ZnO and Ga-doped ZnO substrates on third harmonic generation of gold nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 71, 91-95	3	8
109	Laser operation by photovoltaic features of kesterite Cu ₂ ZnSnS ₄ crystalline films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5259-5262	2.1	1
108	Influence of Al ³⁺ ions on luminescence efficiency of Eu ³⁺ ions in barium boro-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2015 , 419, 75-81	3.9	64
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