

Bouchtra Sahraoui

List of Publications by Year in descending order

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408
papers

8,533
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docs citations

417
times ranked

5568
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multifunctional Oxazolone Derivative as an Optical Amplifier, Generator, and Modulator. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1742-1757. | 1.2 | 10 |
| 2 | Tetrabutylammonium (TBA)-Doped Methylammonium Lead Iodide: High Quality and Stable Perovskite Thin Films. <i>Frontiers in Energy Research</i> , 2022, 10, . | 1.2 | 30 |
| 3 | Computational and Experimental Study of Nonlinear Optical Susceptibilities of Composite Materials Based on PVK Polymer Matrix and Benzonitrile Derivatives. <i>Materials</i> , 2022, 15, 2073. | 1.3 | 4 |
| 4 | Photoluminescence and nonlinear optical properties of Nickel bis-(8-hydroxyquinoline) thin film. <i>Materials Chemistry and Physics</i> , 2022, 284, 126031. | 2.0 | 10 |
| 5 | Optical and electronic properties of the natural Alizarin dye: Theoretical and experimental investigations for DSSCs application. <i>Optical Materials</i> , 2022, 127, 112113. | 1.7 | 14 |
| 6 | Photoluminescence properties of Reactive Red 141 for organic light-emitting diode (OLED). , 2022, , . | | 1 |
| 7 | Nonlinear optical characterization of Disperse Orange dyes (3 and 25) and Pigment Orange 43. , 2022, , . | | 1 |
| 8 | A Modified Oxazolone Dye Dedicated to Spectroscopy and Optoelectronics. <i>Journal of Organic Chemistry</i> , 2022, 87, 7319-7332. | 1.7 | 8 |
| 9 | Effect of Annealing Temperature on Morphology and Optoelectronics Properties of Spin-Coated CZTS Thin Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 89-99. | 1.9 | 17 |
| 10 | Anisotropic confinement of chromophores induces second-order nonlinear optics in a nanoporous photonic metamaterial. <i>Optics Letters</i> , 2021, 46, 845. | 1.7 | 7 |
| 11 | Effect of UV-Irradiation and ZnO Nanoparticles on Nonlinear Optical Response of Specific Photochromic Polymers. <i>Nanomaterials</i> , 2021, 11, 492. | 1.9 | 12 |
| 12 | Bichromatic Laser Dye As a Photonic Random Number Generator. <i>ACS Photonics</i> , 2021, 8, 1630-1638. | 3.2 | 9 |
| 13 | The optimal vector phase matching conditions in crystalline materials determined by extreme surfaces method: Example of uniaxial nonlinear crystals. <i>Optical Materials</i> , 2021, 120, 111420. | 1.7 | 1 |
| 14 | Specific complex-oxide crystals with strong nonlinear absorption and nonlinear refraction as promising optical materials. <i>Optical Materials</i> , 2021, 121, 111493. | 1.7 | 9 |
| 15 | Tailoring the acceptor moiety of novel thiophene-based chromophores: Conjoined experimental and theoretical study on the nonlinear optical properties. <i>Dyes and Pigments</i> , 2021, 196, 109789. | 2.0 | 8 |
| 16 | Study on the effect of lithium nitrate in ionic conduction properties based alginate biopolymer electrolytes. <i>Materials Research Express</i> , 2020, 7, 015902. | 0.8 | 19 |
| 17 | Red luminescence and UV light generation of europium doped zinc oxide thin films for optoelectronic applications. <i>EPJ Applied Physics</i> , 2020, 91, 10501. | 0.3 | 19 |
| 18 | New architecture of organo electronic chalcones derivatives: Synthesis, crystal structures and optical properties. <i>Optical Materials</i> , 2020, 108, 110188. | 1.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Photoactivated Refractive Index Anisotropy in Fluorescent Thiophene Derivatives. Journal of Physical Chemistry C, 2020, 124, 25465-25472. | 1.5 | 1 |
| 20 | Penta(zinc porphyrin)[60]fullerenes: Strong reverse saturable absorption for optical limiting applications. Applied Surface Science, 2020, 533, 147468. | 3.1 | 72 |
| 21 | Effect of Ar Gas Pressure on LSPR Property of Au Nanoparticles: Comparison of Experimental and Theoretical Studies. Nanomaterials, 2020, 10, 1071. | 1.9 | 11 |
| 22 | Selected molecules based on (-1-cyanovinyl)benzotrile as new materials for NLO applications " Experimental and computational studies. Journal of Molecular Liquids, 2020, 314, 113622. | 2.3 | 10 |
| 23 | Solvatochromic fluorophores based on thiophene derivatives for highly-precise water, alcohols and dangerous ions detection. Dyes and Pigments, 2020, 177, 108300. | 2.0 | 27 |
| 24 | Influence of ZnO nanoparticles on nonlinear optical properties. Applied Nanoscience (Switzerland), 2020, 10, 4977-4982. | 1.6 | 23 |
| 25 | Azo-based phenylthiophene Schiff bases: Syntheses, crystal structures and optical properties. Journal of Molecular Structure, 2020, 1222, 128933. | 1.8 | 8 |
| 26 | Ionic Conductivity and Electrochemical Properties of Alginate"NN4NO3-Based Biopolymer Electrolytes for EDLC Application. Makara Journal of Technology, 2020, 24, 7. | 0.4 | 2 |
| 27 | A Local Binary Pattern-Based Method for Color and Multicomponent Texture Analysis. Journal of Signal and Information Processing, 2020, 11, 58-73. | 0.8 | 1 |
| 28 | Influence of Lithium Bromide on Electrical Properties in Bio-based Polymer Electrolytes. Makara Journal of Technology, 2020, 24, 106. | 0.4 | 1 |
| 29 | Properties and applications of hybrid organic-inorganic halide perovskites thin films. , 2020, , . | | 4 |
| 30 | Third Harmonic Generation in Spin-Coated Styrylquinoline Based Polymer Thin Films. , 2019, , . | | 1 |
| 31 | Pyrene-Based Iminopyridine Ligand and its Metal Complexes for Nonlinear Optical Performance. , 2019, , . | | 2 |
| 32 | Nanostructured CuO Thin Film for Nonlinear Optical Applications. , 2019, , . | | 2 |
| 33 | Physical Properties of Bis-(8-hydroxyquinoline) Magnesium Thin Films. , 2019, , . | | 1 |
| 34 | Physical Properties of Yellow Natural Moroccan Dye. , 2019, , . | | 2 |
| 35 | Luminescence Properties of Praseodymium-Doped Crystals. , 2019, , . | | 0 |
| 36 | Theoretical Diagnostics of Second and Third-order Hyperpolarizabilities of Several Acid Derivatives. Open Chemistry, 2019, 17, 151-156. | 1.0 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Selected Organometallic Compounds for Third Order Nonlinear Optical Application. <i>Nanomaterials</i> , 2019, 9, 254. | 1.9 | 34 |
| 38 | Tunable photophysical properties of thiophene based chromophores: a conjoined experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2019, 43, 6728-6736. | 1.4 | 5 |
| 39 | Influence of Polymer Matrix on Nonlinear Optical Response in Octaethylporphine Palladium Derivative Thin Films. , 2019, , . | | 0 |
| 40 | The role of d-electron metal ions complexation on the nonlinear-optical parameters of new trans-dichloropalladium(II) complex. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 695, 99-105. | 0.4 | 1 |
| 41 | Characterization and third harmonic generation calculations of undoped and doped spin-coated multilayered CuO thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 124, 60-66. | 1.9 | 27 |
| 42 | UV irradiation induce NLO modulation in photochromic styrylquinoline-based polymers: Computational and experimental studies. <i>Organic Electronics</i> , 2019, 66, 175-182. | 1.4 | 31 |
| 43 | Nonlinear optical behavior of DNA-functionalized gold nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 703-708. | 1.6 | 6 |
| 44 | Transition Metal Dichalcogenide for High-Performance Electrode of Supercapacitor. <i>Makara Journal of Technology</i> , 2019, 22, 123. | 0.4 | 3 |
| 45 | Study of ZnO Nanospheres Fabricated via Thermal Evaporation for Solar Cell Application. <i>Makara Journal of Technology</i> , 2019, 23, 11. | 0.4 | 6 |
| 46 | A Study of the Electron Regeneration Efficiency of Solar Cells Fabricated Using CMC/PVA-, Alginate-, and Xanthan-based Electrolytes. <i>Makara Journal of Technology</i> , 2019, 23, 53. | 0.4 | 3 |
| 47 | Structural morphological and Cathodoluminescent properties of undoped and Erbium doped nanostructured ZnO deposited by Spray Pyrolysis. , 2019, , 7-12. | | 0 |
| 48 | All-Optical Switching and Two-States Light-Controlled Coherent-Incoherent Random Lasing in a Thiophene-Based Donor-Acceptor System. <i>ChemPhysChem</i> , 2018, 19, 1605-1616. | 1.0 | 16 |
| 49 | Diagnostic and control of linear and nonlinear optical effects in selected self-assembled metallophthalocyanine chlorides nanostructures. <i>Dyes and Pigments</i> , 2018, 157, 151-162. | 2.0 | 40 |
| 50 | Structural and optical characterization of carbon nitride layers deposited by plasma assisted chemical vapor deposition at various conditions. <i>Thin Solid Films</i> , 2018, 646, 28-35. | 0.8 | 2 |
| 51 | Functionalized Methacrylic Thiazolidinone Polymer for Optical Applications. , 2018, , . | | 2 |
| 52 | Third Harmonic Generation of Azo-Based Thin Films. , 2018, , . | | 0 |
| 53 | One-photon Absorption Characterizations, Dipole Polarizabilities and Second Hyperpolarizabilities of Chlorophyll a and Crocin. <i>Open Chemistry</i> , 2018, 16, 1242-1247. | 1.0 | 5 |
| 54 | Nonlinear Optical Properties of Oxide Thin Films. , 2018, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Physical Properties of Metalorganic Thin Films. , 2018, , . | | 2 |
| 56 | Theoretical and experimental investigation of multifunctional highly conjugated organic push-pull ligands for NLO applications. Optical Materials, 2018, 86, 304-310. | 1.7 | 16 |
| 57 | NLO properties of a triphenylguanidine salt: The importance of pseudo-symmetry. Optical Materials, 2018, 84, 606-613. | 1.7 | 14 |
| 58 | Coherent laser induced synthesis of rare earth doped nanocrystallites of 50 PbO-25Bi ₂ O ₃ -20Ga ₂ O ₃ -5BaO. , 2018, , . | | 0 |
| 59 | Study of Second Harmonic Generation in KDP/Al ₂ O ₃ Crystalline Nanocomposite. Acta Physica Polonica A, 2018, 133, 856-859. | 0.2 | 19 |
| 60 | Special proceedings of the International Symposium on Materials and Assets Integrity (ISMAI 2016) –Advancements and Innovations in Materials and Asset Integrity Analysis and Management–during 10th International Materials Technology Conference & Exhibition (IMTCEA2016), Kuala Lumpur, Malaysia, 16–18 May 2016. Ionics, 2017, 23, 253-255. | 1.2 | 0 |
| 61 | Spin-coated Tin-doped NiO thin films for third order nonlinear optical applications. Optik, 2017, 136, 237-243. | 1.4 | 24 |
| 62 | Chemical structure versus second-order nonlinear optical response of the push–pull type pyrazoline-based chromophores. RSC Advances, 2017, 7, 9941-9947. | 1.7 | 28 |
| 63 | Effect of the complexation on the NLO electronic contribution in film based conjugated quinoline ligand. Physica B: Condensed Matter, 2017, 516, 1-6. | 1.3 | 13 |
| 64 | Synthesis, characterization, X-ray structure, optical properties and theoretical calculations of condensed phthalazines. Journal of Chemical Sciences, 2017, 129, 721-731. | 0.7 | 1 |
| 65 | Functionalized azo-based iminopyridine rhenium complexes for nonlinear optical performance. Dyes and Pigments, 2017, 145, 256-262. | 2.0 | 76 |
| 66 | Synthesis and nonlinear optical properties of push-pull type stilbene and pyrazoline based chromophores. Dyes and Pigments, 2017, 142, 507-515. | 2.0 | 22 |
| 67 | Spin-coated nickel doped cadmium sulfide thin films for third harmonic generation applications. Journal of Alloys and Compounds, 2017, 696, 1292-1297. | 2.8 | 30 |
| 68 | Efficient diagnostics of the electronic and optical properties of defective ZnO nanoparticles synthesized using the sol–gel method: experimental and theoretical studies. Materials Research Express, 2017, 4, 085908. | 0.8 | 26 |
| 69 | Nonlinear optical properties of some selected highly conjugated molecules based on TTF for optoelectronics applications. , 2017, , . | | 1 |
| 70 | Comparative Study on the Structural, Morphological, Linear and Nonlinear Optical Properties of CZTS Thin Films Prepared by Spin-Coating and Spray Pyrolysis. Materials Today: Proceedings, 2017, 4, 5146-5153. | 0.9 | 19 |
| 71 | Sol–gel synthesized ZnO for optoelectronics applications: a characterization review. Materials Research Express, 2017, 4, 122001. | 0.8 | 37 |
| 72 | Effect of UV irradiation on nonlinear optical response of azo-based iminopyridine rhenium complexes. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Tuning the nonlinear optical properties of BODIPYs by functionalization with dimethylaminostyryl substituents. <i>Dyes and Pigments</i> , 2017, 137, 507-511. | 2.0 | 40 |
| 74 | Comparison of structural, morphological, linear and nonlinear optical properties of NiO thin films elaborated by Spin-Coating and Spray Pyrolysis. <i>Optik</i> , 2017, 128, 8-13. | 1.4 | 34 |
| 75 | Second and third-order nonlinear optical behavior of natural pigment: chlorophyll and crocin. <i>Ionics</i> , 2017, 23, 343-346. | 1.2 | 3 |
| 76 | TTF based donor-pi-acceptor dyads synthesized for NLO applications. <i>Dyes and Pigments</i> , 2017, 138, 255-266. | 2.0 | 20 |
| 77 | Physical Vapor Deposition technique and its application to thin organometallic films. , 2017, , . | | 0 |
| 78 | Diagnostic on nonlinear optical response of neodymium (III) oxide thin films. , 2017, , . | | 0 |
| 79 | Nonlinear optical response of KDP/ Al_2O_3 crystalline nanocomposite. , 2017, , . | | 0 |
| 80 | Analyses of electronic and optical properties of TTF-based azine derivatives. , 2017, , . | | 0 |
| 81 | Modelling and diagnostic of an ultrasonic piezoelectric actuator. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 628, 23-40. | 0.4 | 2 |
| 82 | Electrical and structural analysis of $x\text{PbO}-(1-x)\text{B}_2\text{O}_3(0.3\% \leq x \leq 0.9)$ glasses. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 627, 106-117. | 0.4 | 7 |
| 83 | Second-order Nonlinearities of Anionic Proceedings, 2016, 3, S12-S20. | 0.9 | 5 |
| 84 | Nonlinear refraction and absorption activity of dimethylaminostyryl substituted BODIPY dyes. <i>RSC Advances</i> , 2016, 6, 84854-84859. | 1.7 | 87 |
| 85 | Promoting Spontaneous Second Harmonic Generation through Organogelation. <i>Journal of the American Chemical Society</i> , 2016, 138, 9025-9028. | 6.6 | 7 |
| 86 | Optical properties of MgO thin films grown by laser ablation technique. <i>Optical and Quantum Electronics</i> , 2016, 48, 1. | 1.5 | 36 |
| 87 | Single-Walled Carbon Nanotubes: Structural and optical properties. , 2016, , . | | 1 |
| 88 | Metal-induced efficient enhancement of nonlinear optical response in conjugated azo-based iminopyridine complexes. <i>Organic Electronics</i> , 2016, 36, 1-6. | 1.4 | 98 |
| 89 | Third order nonlinear optical properties of organometal halide perovskite by means of the Z-scan technique. <i>Chemical Physics Letters</i> , 2016, 647, 7-13. | 1.2 | 72 |
| 90 | Synthesis, spectral, theoretical calculations and optical properties performance of substituted-azobenzene dyes. <i>Optical and Quantum Electronics</i> , 2016, 48, 1. | 1.5 | 23 |

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|-----|---|-----|-----------|
| 91 | Computational studies on linear, second and third-order nonlinear optical properties of novel styrylquinolinium dyes. <i>Chemical Physics Letters</i> , 2016, 648, 47-52. | 1.2 | 13 |
| 92 | Electronic and optical properties of new synthesized TTF-based azine derivatives – Experimental and theoretical study. <i>Optical Materials</i> , 2016, 56, 27-35. | 1.7 | 2 |
| 93 | Optimization and diagnostic of nonlinear optical features of π -conjugated benzodifuran-based derivatives. <i>RSC Advances</i> , 2016, 6, 14439-14447. | 1.7 | 82 |
| 94 | Quadratic nonlinear optical parameters of 7% MgO-doped LiNbO ₃ crystal. <i>Optical Materials</i> , 2016, 56, 36-39. | 1.7 | 9 |
| 95 | Nonlinear optical properties of zinc oxide doped bismuth thin films using Z-scan technique. <i>Optical Materials</i> , 2016, 56, 40-44. | 1.7 | 27 |
| 96 | Synthesis, spectral, optical properties and theoretical calculations on schiff bases ligands containing o-tolidine. <i>Optical Materials</i> , 2016, 56, 116-120. | 1.7 | 29 |
| 97 | Linear and nonlinear optical properties of ZnO thin films deposited by pulsed laser deposition. <i>Journal of Luminescence</i> , 2016, 169, 483-491. | 1.5 | 75 |
| 98 | Optical limiting efficiency of an electroactive bis-iminopyridine ligand and its zinc complex. <i>Photonics Letters of Poland</i> , 2016, 8, . | 0.2 | 0 |
| 99 | Photophysical properties of thin films containing metal and 8-hydroxyquinoline complexes. , 2015, , . | | 1 |
| 100 | Influence of Bi doping on the electrical and optical properties of ZnO thin films. <i>Superlattices and Microstructures</i> , 2015, 85, 370-378. | 1.4 | 42 |
| 101 | Computations of absorption spectra and nonlinear optical properties of molecules based on anthocyanidin structure. <i>Optical and Quantum Electronics</i> , 2015, 47, 1091-1099. | 1.5 | 35 |
| 102 | Nonlinear optical properties of poly(methyl methacrylate) thin films doped with Bixa Orellana dye. <i>Applied Surface Science</i> , 2015, 340, 72-77. | 3.1 | 44 |
| 103 | Pyrazoline derivatives with a tailored third order nonlinear optical response. <i>RSC Advances</i> , 2015, 5, 48363-48367. | 1.7 | 40 |
| 104 | Linear and nonlinear optical absorption characterization of natural laccaic acid dye. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 389-396. | 1.1 | 17 |
| 105 | Nonlinear optical properties of natural laccaic acid dye studied using Z-scan technique. <i>Optical Materials</i> , 2015, 46, 270-275. | 1.7 | 91 |
| 106 | Solution processable double layer organic light emitting diodes (OLEDs) based on 6- <i>N</i> - <i>N</i> -arylsubstituted-1- <i>H</i> -pyrazolo[3,4- <i>b</i>]quinolines. <i>International Journal of Higher Education Management</i> , 2015, 1, 17-22. | 1.0 | 13 |
| 107 | Synthesis, characterization and femtosecond nonlinear saturable absorption behavior of copper phthalocyanine nanocrystals doped-PMMA polymer thin films. <i>Optical Materials</i> , 2015, 50, 138-143. | 1.7 | 37 |
| 108 | Third order nonlinear optical response of conjugated photoactive ligands. , 2015, , . | | 0 |

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|-----|--|-----|-----------|
| 109 | Reversible phase transition in semi-organic compound p-Nitroanilinium sulfate detected using second harmonic generation as a tool. <i>Optical Materials</i> , 2015, 48, 215-221. | 1.7 | 16 |
| 110 | Optical properties of Al ₂ O ₃ thin film deposited by sol-gel technique. , 2015, , . | | 2 |
| 111 | Optical characteristics of a-Si:H layers deposited by PACVD at various temperatures. <i>Optical Materials</i> , 2015, 39, 26-33. | 1.7 | 5 |
| 112 | Novel pendant azobenzene/polymer systems for second harmonic generation and optical data storage. <i>Dyes and Pigments</i> , 2015, 114, 24-32. | 2.0 | 72 |
| 113 | Study of structure and antireflective properties of LaF ₃ /HfO ₂ /SiO ₂ and LaF ₃ /HfO ₂ /MgF ₂ trilayers for UV applications. <i>Optical Materials</i> , 2015, 39, 1-7. | 1.7 | 6 |
| 114 | Optical and structural characterization of thin films containing metallophthalocyanine chlorides. <i>Dyes and Pigments</i> , 2015, 112, 116-126. | 2.0 | 81 |
| 115 | Synthesis, photophysical and electroluminescent properties of 1,3-diphenyl-1H-benzo[g]pyrazolo[3,4-b]quinoxaline. <i>Materials Letters</i> , 2015, 138, 9-12. | 1.3 | 10 |
| 116 | Functionalization of Specific Electrostrictive Polymers for High Power Harvesting. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2015, , 412-451. | 0.3 | 0 |
| 117 | All-optical measurement of elastic constants in nematic liquid crystals. <i>Optics Express</i> , 2014, 22, 30257. | 1.7 | 16 |
| 118 | Effect of metal complexation on the nonlinear optical response of a conjugated ligand. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1555. | 0.9 | 11 |
| 119 | Transparent amorphous zinc oxide thin films for NLO applications. <i>Optical Materials</i> , 2014, 37, 327-337. | 1.7 | 67 |
| 120 | Long jumps contribution to the adatom diffusion process near the step edge: The case of Ag/Cu(110). <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 838-844. | 0.7 | 16 |
| 121 | Conjugated iminopyridine based Azo dye derivatives with efficient charge transfer for third order nonlinearities. <i>Chemical Physics Letters</i> , 2014, 597, 106-109. | 1.2 | 21 |
| 122 | Impact of annealing process on stacking orientations and second order nonlinear optical properties of metallophthalocyanine thin films and nanostructures. <i>Dyes and Pigments</i> , 2014, 101, 212-220. | 2.0 | 60 |
| 123 | Synthesis growth and optical properties of semi organic non linear optical single crystal. <i>Optical and Quantum Electronics</i> , 2014, 46, 111-116. | 1.5 | 3 |
| 124 | Dye-sensitized solar cells with PVA-KI-EC-PC gel electrolytes. <i>Optical and Quantum Electronics</i> , 2014, 46, 133-141. | 1.5 | 37 |
| 125 | Optical properties of ZnO nanocrystals embedded in PMMA. <i>Optical and Quantum Electronics</i> , 2014, 46, 39-46. | 1.5 | 15 |
| 126 | Effect of metal cation complexation on the nonlinear optical response of an electroactive bisiminopyridine ligand. <i>Dyes and Pigments</i> , 2014, 101, 229-233. | 2.0 | 85 |

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|-----|--|-----|-----------|
| 127 | Preamble: new development on advanced materials for photonics, sensing and energy applications. Optical and Quantum Electronics, 2014, 46, 1-5. | 1.5 | 10 |
| 128 | Experimental and theoretical studies of the second- and third-order NLO properties of a semi-organic compound: 6-Aminoquinolinium iodide monohydrate. Chemical Physics, 2014, 428, 67-74. | 0.9 | 35 |
| 129 | NLO investigations of self-assembled organometallic thin films. , 2014, , . | | 0 |
| 130 | Effect of metal complexation on the nonlinear optical response in conjugated ligands. , 2014, , . | | 0 |
| 131 | Z-scan determination and ab-initio computations on third-order optical nonlinearities of a styrylquinolinium dye. , 2014, , . | | 1 |
| 132 | Microcrystalline Bi ₂ ZnB ₂ O ₇ -polymer composites with silver nanoparticles as materials for laser operated devices. Journal of Materials Science: Materials in Electronics, 2014, 25, 2426-2434. | 1.1 | 12 |
| 133 | Preparation -non linear optical properties of CdSe -KCL nanocomposite material. , 2014, , . | | 0 |
| 134 | Theoretical calculations of second and third-order nonlinear susceptibilities and their corresponding hyperpolarizabilities of a styrylquinolinium dye. , 2014, , . | | 2 |
| 135 | Zinc Induced a Dramatic Enhancement of the Nonlinear Optical Properties of an Azo-Based Iminopyridine Ligand. Journal of Physical Chemistry C, 2014, 118, 7545-7553. | 1.5 | 98 |
| 136 | Keto-enol tautomerism and nonlinear optical properties in $\hat{1}^2$ -diketones containing [2.2]paracyclophane. Optical Materials, 2013, 36, 47-52. | 1.7 | 12 |
| 137 | Quadratic susceptibility and first hyperpolarizability of the complex of Cr(CO) ₃ with [2.2]paracyclophane. Optical Materials, 2013, 36, 146-150. | 1.7 | 7 |
| 138 | Gel polymer electrolyte based on LiBOB and PAN for the application in dye-sensitized solar cells. Optical Materials, 2013, 36, 135-139. | 1.7 | 31 |
| 139 | Influence of surfactant on dynamics of photoinduced motions and light emission of a dye-doped deoxyribonucleic acid. Optical Materials, 2013, 35, 2389-2393. | 1.7 | 20 |
| 140 | Application of LiBOB-based liquid electrolyte in co-sensitized solar cell. Optical Materials, 2013, 36, 151-158. | 1.7 | 16 |
| 141 | Structural and nonlinear optical properties of as-grown and annealed metallophthalocyanine thin films. Thin Solid Films, 2013, 545, 429-437. | 0.8 | 77 |
| 142 | Zig-zag diffusion of pentamer on (110) surface. , 2013, , . | | 0 |
| 143 | Structural and optical properties of as-grown and annealed Alq ₃ thin films. , 2013, , . | | 0 |
| 144 | Photophysical properties of Alq ₃ thin films. Optical Materials, 2013, 36, 91-97. | 1.7 | 53 |

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|-----|---|-----|-----------|
| 145 | The investigation of third-order hyperpolarizabilities and susceptibilities of push-pull azobenzene polymers. , 2013, , . | | 0 |
| 146 | Multifunctional Bi ₂ ZnOB ₂ O ₆ single crystals for second and third order nonlinear optical applications. Applied Physics Letters, 2013, 103, . | 1.5 | 68 |
| 147 | Second-order hyperpolarizability and susceptibility calculations of a series of ruthenium complexes. , 2013, , . | | 3 |
| 148 | Synthesis and functionalization of coumarin-containing copolymers for second order optical nonlinearities. Optical Materials, 2013, 35, 576-581. | 1.7 | 36 |
| 149 | Investigation study on the nonlinear optical properties of natural dyes: Chlorophyll a and b. Optics Communications, 2013, 293, 75-79. | 1.0 | 35 |
| 150 | Investigation of superfast deposition of metal oxide and Diamond-Like Carbon thin films by nanosecond Ytterbium (Yb ⁺) fiber laser. Optical Materials, 2013, 36, 53-59. | 1.7 | 20 |
| 151 | Theoretical and experimental investigations on the nonlinear optical properties of gold(III) dithiolene complexes. Optical Materials, 2013, 36, 106-111. | 1.7 | 16 |
| 152 | $\hat{\Gamma}^2$ -BaTeMo ₂ O ₉ microcrystals as promising optically operated materials. Journal of Materials Science, 2013, 48, 5938-5945. | 1.7 | 9 |
| 153 | Determination of dipole polarizabilities and second hyperpolarizabilities in alkynyl-ruthenium complexes using quantum-chemical calculations. , 2013, , . | | 0 |
| 154 | NLO investigations of electroactive ligands and of their electroactive metal complexes. , 2013, , . | | 0 |
| 155 | Nonlinear absorption reversing between an electroactive ligand and its metal complexes. Optics Express, 2012, 20, 25311. | 1.7 | 88 |
| 156 | Effect of the counter cation on the third order nonlinearity in anionic Au dithiolene complexes. Applied Physics Letters, 2012, 101, . | 1.5 | 50 |
| 157 | Diffusion of Ag dimer on Cu (110) by dissociation-reassociation and concerted jump processes. , 2012, , . | | 2 |
| 158 | Temperature Dependence of the Bistable Photoconductivity of Thin DNA: PEDOT Films. Molecular Crystals and Liquid Crystals, 2012, 554, 83-94. | 0.4 | 1 |
| 159 | Mechanical effect on the performance of electrostrictive polymers for energy harvesting. , 2012, , . | | 3 |
| 160 | Amplified spontaneous emission of Rhodamine 6G embedded in pure deoxyribonucleic acid. Applied Physics Letters, 2012, 101, . | 1.5 | 19 |
| 161 | Optical properties of metallophthalocyanine compounds thin films. , 2012, , . | | 2 |
| 162 | Comparison between quantum mechanical computations of NLO properties and experimental data in selected functionalized azo-dyes. , 2012, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Novel Styrylquinolinium Dye Thin Films Deposited by Pulsed Laser Deposition for Nonlinear Optical Applications. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7144-7152. | 1.5 | 37 |
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