

Omar Guillermo Morales-Saavedra

List of Publications by Year in descending order

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47
papers

428
citations

840776

11
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888059

17
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docs citations

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times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphiphilic azo-dyes (RED-PEGM). Part 2: Charge transfer complexes, preparation of Langmuir-Blodgett films and optical properties. <i>Dyes and Pigments</i> , 2007, 74, 396-403.	3.7	31
2	Synthesis, X-ray diffraction analysis and nonlinear optical properties of hexacoordinated organotin compounds derived from Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2014, 769, 64-71.	1.8	28
3	Linear and nonlinear optical properties of trans- and cis-poly(1-ethynylpyrene) based sonogel hybrid materials. <i>Polymer</i> , 2006, 47, 5330-5337.	3.8	25
4	Variation of nonlinear refractive index in dye-doped liquid crystals by local and nonlocal mechanisms. <i>Optical Materials</i> , 2008, 31, 350-360.	3.6	25
5	Preparation and optical characterization of catalyst free SiO ₂ sonogel hybrid materials. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 41, 277-289.	2.4	23
6	Second harmonic generation of fluorine-doped zinc oxide thin films grown on soda-lime glass substrates by a chemical spray technique. <i>Optics Communications</i> , 2007, 269, 370-377.	2.1	21
7	Synthesis and characterization of poly(ethylene glycol) diacrylate copolymers containing azobenzene groups prepared by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3291-3298.	2.3	19
8	Synthesis and optical characterization of photoactive poly(2-phenoxyethyl acrylate) copolymers containing azobenzene units, prepared by frontal polymerization using novel ionic liquids as initiators. <i>Journal of Polymer Science Part A</i> , 2012, 50, 821-830.	2.3	14
9	Structural and photophysical evaluation of Au-NPs/SiO ₂ -based inorganic-inorganic sonogel hybrid composites. <i>Materials Chemistry and Physics</i> , 2010, 124, 816-830.	4.0	13
10	Incorporation in Langmuir and Langmuir-Blodgett films of symmetric fluorine substituted bent-core liquid crystals: Morphological and optical properties. <i>Thin Solid Films</i> , 2009, 517, 1770-1777.	1.8	12
11	Enhanced NLO properties of molybdenum push-pull coordination compounds with tridentate ONO organic ligands. <i>Inorganica Chimica Acta</i> , 2016, 442, 10-15.	2.4	12
12	Optical absorption photoacoustic measurements for determination of molecular symmetries in a dichroic organic-film. <i>Optics Express</i> , 2008, 16, 20724.	3.4	11
13	Synthesis of Porphyrin-Dendrimers with a Pyrene in the Periphery and Their Cubic Nonlinear Optical Properties. <i>Molecules</i> , 2011, 16, 6950-6968.	3.8	11
14	Preparation and optical characterization of two photoactive poly(bisphenol a ethoxylate diacrylate) copolymers containing designed amino-nitro-substituted azobenzene units, obtained via classical and frontal polymerization, using novel ionic liquids as initiators. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1906-1916.	2.3	11
15	Synthesis and overall nonlinear optical characterization of poly(hexa-2,4-diyne-1,6-dioxydibenzoate) containing 2,2-(4-((4-nitrophenyl)ethynyl)phenylazanediy)diethanol. <i>Materials Chemistry and Physics</i> , 2012, 133, 528-540.	4.0	11
16	Linear and non-linear optical properties of 2,5-disubstituted pyrroles supported by a catalyst-free SiO ₂ sonogel network. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2557-2566.	3.1	10
17	Preparation and photophysical properties of monomeric liquid-crystalline azo-dyes embedded in bulk and film SiO ₂ -sonogel glasses. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 56, 7-18.	2.4	10
18	DOMAIN STRUCTURE STUDIES IN PHASES OF BENT-SHAPED MOLECULES BY SPATIALLY RESOLVED SECOND HARMONIC MICROSCOPY. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 413, 607-616.	0.9	9

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19	Influence of indium concentration and substrate temperature on the physical characteristics of chemically sprayed ZnO:In thin films deposited from zinc pentanedionate and indium sulfate. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5105-5120.	1.8	9
20	Preparation and optical and electrical evaluation of bulk SiO ₂ sonogel hybrid composites and vacuum thermal evaporated thin films prepared from molecular materials derived from (Fe, Co) metallic phthalocyanines and 1,8 dihydroxiantraquinone compounds. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 158, 98-107.	3.5	9
21	Synthesis and NLO behavior of Oligo(phenylenevinylene)-Porphyrin Dendrimers. <i>Dyes and Pigments</i> , 2013, 96, 125-129.	3.7	9
22	Fabrication and photophysical studies of CdTe quantum-dots dispersed in SiO ₂ sonogel optical-glasses. <i>Journal of Applied Research and Technology</i> , 2015, 13, 566-575.	0.9	8
23	POLAR MICRO STRUCTURES OF THE B2- AND B4-PHASES OF BENT-SHAPED LC-MOLECULES RESOLVED BY NONLINEAR OPTICAL MICROSCOPY. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2006, 15, 287-302.	1.8	7
24	Effect of metal salts in the optical properties of polydiacetylenes. <i>Journal of Luminescence</i> , 2008, 128, 1431-1441.	3.1	7
25	Inclusion of liquid crystalline azo-dyes in nanometric porous anodic aluminas: A comparative morphological and optical study. <i>Dyes and Pigments</i> , 2008, 78, 48-59.	3.7	7
26	Synthesis and electrical, spectroscopic and nonlinear optical properties of cobalt molecular materials obtained from PcCo(CN) ₄ L (L=ethylenediamine, 1,4-diaminebutane, 1,12-diaminododecane and) <i>Tj ETQq0400 rgBT /Overlock 1</i>	4.0	7
27	Monitoring molecular orientational order in NLO push-pull based polymeric films via photoacoustic measurements. <i>Optics and Lasers in Engineering</i> , 2011, 49, 1413-1421.	3.8	7
28	Preparation and Z-Scan nonlinear optical characterization of Au/SiO ₂ - and Ag/SiO ₂ -supported nanoparticles dispersed in silica sonogel films. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 63, 340-355.	2.4	7
29	Structural and nonlinear optical properties of Crystal-Violet octupolar dyes dispersed in bulk SiO ₂ -sonogel optical-glasses. <i>Materials Chemistry and Physics</i> , 2012, 133, 1071-1082.	4.0	7
30	Nonlinear optical performance of poled liquid crystalline azo-dyes confined in SiO ₂ sonogel films. <i>Journal of Modern Optics</i> , 2010, 57, 65-73.	1.3	6
31	SHG-Activity of Polar Nano-Structures of LC-RED-PEGM-7 Based Sono-Gel Hybrid Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 449, 161-177.	0.9	5
32	Preparation of Fullerene (C ₆₀) Based SiO ₂ Sonogel Hybrid Composites: UV Laser Induced Photo-Polymerization, Morphological, and Optical Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3582-3594.	0.9	5
33	Preparation and morphological and optical characterization of azo-polymer-based SiO ₂ sonogel hybrid composites. <i>Smart Materials and Structures</i> , 2009, 18, 085024.	3.5	5
34	Electrical and optical properties of thermally-evaporated thin films from A ₂ [TiO(C ₂ O ₄) ₂] (A=K, PPh ₄) and 1,8-dihydroxyanthraquinone. <i>Applied Surface Science</i> , 2011, 257, 3313-3319.	6.1	5
35	Bis(4-nitroanilines) in interactions through a π -conjugated bridge: conformational effects and potential molecular switches. <i>New Journal of Chemistry</i> , 2017, 41, 11881-11890.	2.8	5
36	Electrical and optical properties of Jäger-nickel (II)-based molecular-material thin films prepared by the vacuum thermal evaporation technique. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1571-1582.	4.0	4

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37	POLAR ORDERING IN THERMOTROPIC MESOGENS RESOLVED BY SCANNING NLO MICROSCOPY. Journal of Nonlinear Optical Physics and Materials, 2006, 15, 431-446.	1.8	3
38	Chlorine-Substituted Bent-Core LC-Based Sono-Gel Hybrid Materials: Synthesis and Optical Properties. Molecular Crystals and Liquid Crystals, 2008, 488, 56-73.	0.9	3
39	Spectroscopic and nonlinear photophysical characterization of organic octupolar-compounds supported by anodic-alumina nanotube-arrays. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1479-1496.	3.5	2
40	Optical Properties of Fluorinated Bent-Core Liquid Crystals Confined in Anodic Alumina Nanotubes. Molecular Crystals and Liquid Crystals, 2010, 526, 139-155.	0.9	1
41	Electrosynthesis and characterization of [Cu(Taab)(H ₂ O) ₂](L) ₂ non-crystalline thin films. Journal of Non-Crystalline Solids, 2011, 357, 2780-2786.	3.1	1
42	Porphyrin Dendrimers. Materials Research Society Symposia Proceedings, 2012, 1479, 45-50.	0.1	1
43	Photoacoustic Monitoring of the Macroscopic Orientational Order in Disperse Red 1 Azo-Dye-Based Dissolutions. International Journal of Thermophysics, 2013, 34, 1673-1682.	2.1	1
44	Quadratic Non-Linear Optical Properties of the poly(2,5-bis(but-2-ynyloxy) Benzoate Containing the) Tj ETQqO O O rgBT /Overlock 10 Tf 5	4.5	1
45	Design and construction of a compact Z-scan portable system. , 2011, , .		0
46	Thermomechanical and Photophysical Properties of Crystal-Violet-Dye/H ₂ O Based Dissolutions via the Pulsed Laser Photoacoustic Technique. Advances in Materials Science and Engineering, 2014, 2014, 1-6.	1.8	0
47	Synthesis and Overall Photophysical Characterization of SiO ₂ :(Ag/SiO ₂) Nanostructured Sonogel Hybrid Glasses. International Journal of Nanoscience, 2015, 14, 1550016.	0.7	0