

Marek J Samoc

List of Publications by Year in descending order

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381
papers

13,029
citations

19657

61
h-index

42399

92
g-index

399
all docs

399
docs citations

399
times ranked

11205
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Spectrally Resolved Nonlinear Optical Properties of Doped <i>Versus</i> Undoped Quasi-2D Semiconductor Nanocrystals: Copper and Silver Doping Provokes Strong Nonlinearity in Colloidal CdSe Nanoplatelets. <i>ACS Photonics</i> , 2022, 9, 256-267. | 6.6 | 15 |
| 2 | Synthesis and optical properties of linear and branched styrylpyridinium dyes in different environments. <i>Journal of Molecular Liquids</i> , 2022, 356, 119007. | 4.9 | 5 |
| 3 | Nonlinear Optical Absorption in Nanoscale Films Revealed through Ultrafast Acoustics. <i>Nano Letters</i> , 2022, 22, 4362-4367. | 9.1 | 4 |
| 4 | One- and Two-Photon Excited Autofluorescence of Lysozyme Amyloids. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4673-4681. | 4.6 | 10 |
| 5 | Two-photon absorption of 28-hetero-2,7-naphthiopyrins: expanded carbaporphyrinoid macrocycles. <i>RSC Advances</i> , 2022, 12, 19554-19560. | 3.6 | 3 |
| 6 | Self-assembled heterometallic complexes showing enhanced two-photon absorption and their distribution in living cells. <i>New Journal of Chemistry</i> , 2021, 45, 4994-5001. | 2.8 | 1 |
| 7 | Two-Photon Excited Polarization-Dependent Autofluorescence of Amyloids as a Label-Free Method of Fibril Organization Imaging. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1432-1437. | 4.6 | 7 |
| 8 | Nonlinear Optical Properties of Emerging Nano- and Microcrystalline Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2100216. | 7.3 | 37 |
| 9 | Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22283-22297. | 2.8 | 11 |
| 10 | Prospects for More Efficient Multi-Photon Absorption Photosensitizers Exhibiting Both Reactive Oxygen Species Generation and Luminescence. <i>Molecules</i> , 2021, 26, 6323. | 3.8 | 10 |
| 11 | Enhanced one-photon and two-photon excited luminescence of polymer-stabilized AuAg nanoclusters aggregates. <i>Journal of Luminescence</i> , 2020, 221, 116994. | 3.1 | 5 |
| 12 | Hybrids of gold nanoparticles and oligo(p-phenyleneethynylene)s end-functionalized with alkynylruthenium groups: Outstanding two-photon absorption in the second biological window. <i>Nano Research</i> , 2020, 13, 2755-2762. | 10.4 | 4 |
| 13 | Two-photon absorption and two-photon-induced isomerization of azobenzene compounds. <i>RSC Advances</i> , 2020, 10, 40489-40507. | 3.6 | 37 |
| 14 | Acetone-derived luminescent polymer dots: a facile and low-cost synthesis leads to remarkable photophysical properties. <i>RSC Advances</i> , 2020, 10, 38437-38445. | 3.6 | 7 |
| 15 | Nonlinear Optical Pigments. Two-Photon Absorption in Crosslinked Conjugated Polymers and Prospects for Remote Nonlinear Optical Thermometry. <i>Polymers</i> , 2020, 12, 1670. | 4.5 | 10 |
| 16 | One- and two-photon solvatochromism of the fluorescent dye Nile Red and its CF ₃ , F and Br-substituted analogues. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1382-1391. | 2.9 | 15 |
| 17 | The Two-Photon Absorption Cross-Section Studies of CsPbX ₃ (X = I, Br, Cl) Nanocrystals. <i>Nanomaterials</i> , 2020, 10, 1054. | 4.1 | 19 |
| 18 | Postsynthetic Framework Contraction Enhances the Two-Photon Absorption Properties of Pillar-Layered Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2020, 32, 5682-5690. | 6.7 | 15 |

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|----|--|------|-----------|
| 19 | Two-photon excited luminescence and second-harmonic generation in quinacridone microstructures. <i>Dyes and Pigments</i> , 2020, 177, 108268. | 3.7 | 6 |
| 20 | Triarylisocyanurate-Based Fluorescent Two-Photon Absorbers. <i>ChemPlusChem</i> , 2020, 85, 411-425. | 2.8 | 5 |
| 21 | Functional CdS-Au Nanocomposite for Efficient Photocatalytic, Photosensitizing, and Two-Photon Applications. <i>Nanomaterials</i> , 2020, 10, 715. | 4.1 | 9 |
| 22 | Förster Resonance Energy Transfer-Activated Processes in Smart Nanotheranostics Fabricated in a Sustainable Manner. <i>ChemSusChem</i> , 2019, 12, 706-719. | 6.8 | 13 |
| 23 | Two-photon absorption and photoluminescence of colloidal gold nanoparticles and nanoclusters. <i>Chemical Society Reviews</i> , 2019, 48, 4087-4117. | 38.1 | 146 |
| 24 | Lattice Shrinkage by Incorporation of Recombinant Star-maker-Like Protein within Bioinspired Calcium Carbonate Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 12740-12750. | 3.3 | 20 |
| 25 | Efficient Singlet Oxygen Photogeneration by Zinc Porphyrin Dimers upon One- and Two-Photon Excitation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4271-4277. | 2.6 | 26 |
| 26 | Three-Photon Absorption of Coordination Polymer Transforms UV-to-VIS Thermometry into NIR-to-VIS Thermometry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10435-10441. | 8.0 | 48 |
| 27 | Popcorn-shaped gold nanoparticles: Plant extract-mediated synthesis, characterization and multiphoton-excited luminescence properties. <i>Materials Chemistry and Physics</i> , 2019, 229, 56-60. | 4.0 | 27 |
| 28 | All-Optical Poling and Two-Photon Absorption in Heterocyclic Azo Dyes with Different Side Groups. <i>Journal of Physical Chemistry C</i> , 2019, 123, 725-734. | 3.1 | 37 |
| 29 | DNA liquid crystals doped with AuAg nanoclusters: One-photon and two-photon imaging. <i>Journal of Molecular Liquids</i> , 2018, 259, 82-87. | 4.9 | 11 |
| 30 | pH-Induced transformation of ligated Au ₂₅ to brighter Au ₂₃ nanoclusters. <i>Nanoscale</i> , 2018, 10, 11335-11341. | 5.6 | 39 |
| 31 | Utilizing formation of dye aggregates with aggregation-induced emission characteristics for enhancement of two-photon absorption. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4384-4388. | 5.5 | 13 |
| 32 | Spectrally resolved two-photon absorption properties and switching of the multi-modal luminescence of NaYF ₄ :Yb,Er/CdSe hybrid nanostructures. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5949-5956. | 5.5 | 11 |
| 33 | Linear and nonlinear optical properties of heterocyclic azo dyes with heteroaryl diazenyl substitution. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 670, 153-159. | 0.9 | 2 |
| 34 | Quadratic and Cubic Optical Nonlinearities of Y-shaped and Distorted Y-shaped Arylalkynylruthenium Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 16332-16341. | 3.3 | 10 |
| 35 | Two-photon chiro-optical properties of gold Au ₂₅ nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24523-24526. | 2.8 | 12 |
| 36 | Light-driven chiroptical photoswitchable DNA assemblies mediated by bioinspired photoresponsive molecules. <i>Nanoscale</i> , 2018, 10, 11302-11306. | 5.6 | 11 |

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|----|--|------|-----------|
| 37 | The role of intramolecular charge transfer and symmetry breaking in the photophysics of pyrrolo[3,2- <i>b</i>]pyrrole-dione. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22260-22271. | 2.8 | 9 |
| 38 | Gold nanoparticle-decorated graphene as a nonlinear optical material in the visible and near-infrared spectral range. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18862-18872. | 2.8 | 12 |
| 39 | Nonlinear plasmonics in eutectic composites: Second harmonic generation and two-photon luminescence in a volumetric Bi ₂ O ₃ -Ag metamaterial. <i>Applied Physics Letters</i> , 2017, 110, . | 3.3 | 11 |
| 40 | Combining Three Different Functional Groups in One Linker: A Variety of Features of Copper(II) Aminocarboxyphosphonate. <i>Crystal Growth and Design</i> , 2017, 17, 1373-1383. | 3.0 | 8 |
| 41 | Probing the binding mechanism of photoresponsive azobenzene polyamine derivatives with human serum albumin. <i>RSC Advances</i> , 2017, 7, 5912-5919. | 3.6 | 7 |
| 42 | Fingerprints of Through-Bond and Through-Space Exciton and Charge π -Electron Delocalization in Linearly Extended [2.2]Paracyclophanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 3095-3105. | 13.7 | 34 |
| 43 | 2,5-Bis(azulenyl)pyrrolo[3,2- <i>b</i>]pyrroles – the key influence of the linkage position on the linear and nonlinear optical properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2620-2628. | 5.5 | 30 |
| 44 | Stellar Multi-Photon Absorption Materials: Beyond the Telecommunication Wavelength Band. <i>Chemistry - A European Journal</i> , 2017, 23, 8395-8399. | 3.3 | 12 |
| 45 | Nonlinear optical properties, upconversion and lasing in metal-organic frameworks. <i>Chemical Society Reviews</i> , 2017, 46, 4976-5004. | 38.1 | 493 |
| 46 | Size-dependent emission kinetics and sensing capabilities of CdSe quantum dots functionalized with penicillamine ligands. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 483-491. | 7.8 | 15 |
| 47 | Spectrally-resolved third-harmonic generation and the fundamental role of O-H \cdots Cl hydrogen bonding in Oh, Td-cobalt(ii) tetraphenylmethane-based coordination polymers. <i>Dalton Transactions</i> , 2017, 46, 9349-9357. | 3.3 | 11 |
| 48 | Electronic properties and third-order optical nonlinearities in tetragonal chalcopyrite AgInS ₂ , AgInS ₂ /ZnS and cubic spinel AgIn ₅ S ₈ , AgIn ₅ S ₈ /ZnS quantum dots. <i>Journal of Materials Chemistry C</i> , 2017, 5, 149-158. | 5.5 | 29 |
| 49 | Effective control of the intrinsic DNA morphology by photosensitive polyamines. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1028-1038. | 5.8 | 13 |
| 50 | Linear and Third-Order Nonlinear Optical Properties of Triazobenzene-1,3,5-triazinane-2,4,6-trione (Isocyanurate) Derivatives. <i>ChemPlusChem</i> , 2017, 82, 1372-1383. | 2.8 | 13 |
| 51 | Two-Photon Macromolecular Probe Based on a Quadrupolar Anthracenyl Scaffold for Sensitive Recognition of Serum Proteins under Simulated Physiological Conditions. <i>ACS Omega</i> , 2017, 2, 5715-5725. | 3.5 | 10 |
| 52 | Multi-Photon Absorption in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14743-14748. | 13.8 | 79 |
| 53 | Multiphotonenabsorption in Metallorganischen Gerüstverbindungen. <i>Angewandte Chemie</i> , 2017, 129, 14938-14943. | 2.0 | 18 |
| 54 | Remote-control of the enantiomeric supramolecular recognition mediated by chiral azobenzenes bound to human serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21272-21275. | 2.8 | 10 |

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|----|--|------|-----------|
| 55 | Two- and three-photon absorption properties of fan-shaped dendrons derived from 2,3,8-trifunctionalized indenoquinoxaline units: synthesis and characterization. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8219-8232. | 5.5 | 12 |
| 56 | Two-Photon Imaging of 3D Organization of Bimetallic AuAg Nanoclusters in DNA Matrix. <i>Langmuir</i> , 2017, 33, 8993-8999. | 3.5 | 18 |
| 57 | Bioimaging: Shaping Luminescent Properties of Yb ³⁺ and Ho ³⁺ Co-doped Upconverting Core-shell $\text{Yb}_3\text{F}_4/\text{NaYF}_4$ Nanoparticles by Dopant Distribution and Spacing (Small) <i>Tj ETO</i> 1 0.784314 | 10.0 | 57 |
| 58 | Specific Recognition of G-Quadruplexes Over Duplex-DNA by a Macromolecular NIR Two-Photon Fluorescent Probe. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5915-5920. | 4.6 | 21 |
| 59 | Shaping Luminescent Properties of Yb ³⁺ and Ho ³⁺ Co-doped Upconverting Core-shell $\text{Yb}_3\text{F}_4/\text{NaYF}_4$ Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , 2017, 13, 1701635. | 10.0 | 57 |
| 60 | The concentration dependent up-conversion luminescence of Ho ³⁺ and Yb ³⁺ co-doped Yb_3F_4 . <i>Journal of Luminescence</i> , 2017, 182, 114-122. | 3.1 | 30 |
| 61 | Photostability of push-pull phenanthroimidazole derivative upon one- and two-photon excitation. <i>Dyes and Pigments</i> , 2017, 136, 150-160. | 3.7 | 17 |
| 62 | Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamine-containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10155-10167. | 3.3 | 35 |
| 63 | Two-Photon Induced Fluorescence Energy Transfer in Polymeric Nanocapsules Containing CdSe/ZnS Core/Shell Quantum Dots and Zinc(II) Phthalocyanine. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15460-15470. | 3.1 | 25 |
| 64 | Third-Order Nonlinear Optical Properties of Infrared Emitting PbS and PbSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21939-21945. | 3.1 | 21 |
| 65 | Co/ZIF-8 Heterometallic Nanoparticles: Control of Nanocrystal Size and Properties by a Mixed-Metal Approach. <i>Crystal Growth and Design</i> , 2016, 16, 6419-6425. | 3.0 | 90 |
| 66 | Two-photon absorption of Crystal Violet in solutions: Analysis of the solvent effect and aggregation process based on linear and nonlinear absorption spectra. <i>Journal of Molecular Liquids</i> , 2016, 222, 125-132. | 4.9 | 4 |
| 67 | Unravelling the Binding Mechanism of a Poly(cationic) Anthracenyl Fluorescent Probe with High Affinity toward Double-Stranded DNA. <i>Biomacromolecules</i> , 2016, 17, 3609-3618. | 5.4 | 22 |
| 68 | Nonlinear-Optical Response of Prussian Blue: Strong Three-Photon Absorption in the IR Region. <i>Inorganic Chemistry</i> , 2016, 55, 9501-9504. | 4.0 | 23 |
| 69 | Polymeric nanocapsules with up-converting nanocrystals cargo make ideal fluorescent bioprobes. <i>Scientific Reports</i> , 2016, 6, 29746. | 3.3 | 45 |
| 70 | Photochromic switching of the DNA helicity induced by azobenzene derivatives. <i>Scientific Reports</i> , 2016, 6, 28605. | 3.3 | 42 |
| 71 | A closer look at two-photon absorption, absorption saturation and nonlinear refraction in gold nanoclusters. <i>RSC Advances</i> , 2016, 6, 98748-98752. | 3.6 | 38 |
| 72 | One- and two-photon-induced isomerization of styryl compounds possessing A- π -A ² structure. <i>Dyes and Pigments</i> , 2016, 132, 237-247. | 3.7 | 7 |

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| 73 | Structure-charge transfer property relationship in self-assembled discotic liquid-crystalline donor-acceptor dyad and triad thin films. <i>RSC Advances</i> , 2016, 6, 57811-57819. | 3.6 | 17 |
| 74 | A Fluorescent Polymer Probe with High Selectivity toward Vascular Endothelial Cells for and beyond Noninvasive Two-Photon Intravital Imaging of Brain Vasculature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17047-17059. | 8.0 | 20 |
| 75 | Exceptionally large two- and three-photon absorption cross-sections by OPV organometalation. <i>Chemical Communications</i> , 2016, 52, 8301-8304. | 4.1 | 26 |
| 76 | Determining the 3D orientation of optically trapped upconverting nanorods by <i>in situ</i> single-particle polarized spectroscopy. <i>Nanoscale</i> , 2016, 8, 300-308. | 5.6 | 52 |
| 77 | Stabilization of DNA liquid crystals on doping with gold nanorods. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7278-7283. | 2.8 | 8 |
| 78 | Expanded 1,3-diketones synthesis, optical properties and application in two-photon polymerization. <i>Journal of Materials Chemistry C</i> , 2016, 4, 167-177. | 5.5 | 28 |
| 79 | New diamidequat-type surfactants in fabrication of long-sustained theranostic nanocapsules: Colloidal stability, drug delivery and bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 137, 121-132. | 5.0 | 26 |
| 80 | Solvent Effects on the Optical Properties of PEG-SH and CTAB Capped Gold Nanorods. <i>Acta Physica Polonica A</i> , 2016, 130, 1380-1384. | 0.5 | 3 |
| 81 | Optical nonlinearities of colloidal InP@ZnS core-shell quantum dots probed by Z-scan and two-photon excited emission. <i>APL Materials</i> , 2015, 3, 116108. | 5.1 | 25 |
| 82 | Syntheses, Electrochemical, Linear Optical, and Cubic Nonlinear Optical Properties of Ruthenium-Alkynyl-Functionalized Oligo(phenylenevinylene) Stars. <i>ChemPlusChem</i> , 2015, 80, 1329-1340. | 2.8 | 7 |
| 83 | Binuclear Sulfide Niobium Clusters Coordinated by Diimine Ligands: Synthesis, Structure, Photocatalytic Activity and Optical Limiting Properties. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2865-2874. | 2.0 | 10 |
| 84 | Interactions of Isophorone Derivatives with DNA: Spectroscopic Studies. <i>PLoS ONE</i> , 2015, 10, e0129817. | 2.5 | 25 |
| 85 | Synthesis and optical power limiting properties of heteroleptic Mo_3S_7 clusters. <i>Dalton Transactions</i> , 2015, 44, 13163-13172. | 3.3 | 21 |
| 86 | DNA Base Pair Resolution Measurements Using Resonance Energy Transfer Efficiency in Lanthanide Doped Nanoparticles. <i>PLoS ONE</i> , 2015, 10, e0117277. | 2.5 | 3 |
| 87 | End-to-end self-assembly of gold nanorods in isopropanol solution: experimental and theoretical studies. <i>Journal of Nanoparticle Research</i> , 2015, 17, 477. | 1.9 | 15 |
| 88 | 2,7-Fluorenyl-Bridged Complexes Containing Electroactive $\text{Fe}(\text{C}_5\text{Me}_5)_2(\text{dppe})_2$ End Groups: Molecular Wires and Remarkable Nonlinear Electrochromes. <i>Organometallics</i> , 2015, 34, 5418-5437. | 2.3 | 23 |
| 89 | Uniting Ruthenium(II) and Platinum(II) Polypyridine Centers in Heteropolymetallic Complexes Giving Strong Two-Photon Absorption. <i>Inorganic Chemistry</i> , 2015, 54, 11450-11456. | 4.0 | 11 |
| 90 | Controlled synthesis of luminescent $\text{Gd}_2\text{O}_3:\text{Eu}^{3+}$ nanoparticles by alkali ion doping. <i>CrystEngComm</i> , 2015, 17, 1997-2003. | 2.6 | 11 |

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| 91 | One- and Two-Photon Absorption of a Spiropyranâ€“Merocyanine System: Experimental and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1515-1522. | 2.6 | 23 |
| 92 | Two-photon absorption and efficient encapsulation of near-infrared-emitting CdSe Te1â€™ quantum dots. <i>Chemical Physics</i> , 2015, 456, 93-97. | 1.9 | 14 |
| 93 | Synthesis and optical characterization of lanthanide-doped colloidal Ga2O3 nanoparticles. <i>Chemical Physics</i> , 2015, 456, 73-78. | 1.9 | 12 |
| 94 | Metaphotonics: An emerging field with opportunities and challenges. <i>Physics Reports</i> , 2015, 594, 1-60. | 25.6 | 76 |
| 95 | Two-photon absorption of polyfluorene aggregates stabilized by insulin amyloid fibrils. <i>RSC Advances</i> , 2015, 5, 49363-49368. | 3.6 | 9 |
| 96 | Microwave-assisted synthesis and single particle spectroscopy of infrared down- and visible up-conversion in Er³⁺ and Yb³⁺ co-doped fluoride nanowires. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5332-5338. | 5.5 | 21 |
| 97 | Bio-mediated synthesis, characterization and cytotoxicity of gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29014-29019. | 2.8 | 47 |
| 98 | Beyond Single-Wavelength SHG Measurements: Spectrally-Resolved SHG Studies of Tetraphosphonate Ester Coordination Polymers. <i>Inorganic Chemistry</i> , 2015, 54, 10568-10575. | 4.0 | 26 |
| 99 | Low-threshold stimulated emission from lysozyme amyloid fibrils doped with a blue laser dye. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 17 |
| 100 | Interactions of a biocompatible water-soluble anthracenyl polymer derivative with double-stranded DNA. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30318-30327. | 2.8 | 24 |
| 101 | Spectral dependence of nonlinear optical properties of symmetrical octatetraynes with p-substituted phenyl end-groups. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13680-13688. | 2.8 | 16 |
| 102 | Synthesis and Linear and Nonlinear Optical Properties of Three Pushâ€“Pull Oxazol-5(4<i>H</i>)-one Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 9641-9651. | 3.2 | 36 |
| 103 | Two-photon solvatochromism III: Experimental study of the solvent effects on two-photon absorption spectrum of p-nitroaniline. <i>Dyes and Pigments</i> , 2015, 113, 426-434. | 3.7 | 23 |
| 104 | Morphology- and size-dependent spectroscopic properties of Eu3+-doped Gd2O3 colloidal nanocrystals. <i>Journal of Nanoparticle Research</i> , 2014, 16, 2690. | 1.9 | 26 |
| 105 | Nonlinear absorption in nanosystems of biological significance.. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 7. | 0.1 | 2 |
| 106 | Self-reconstructing nonlinear effects in polymer fibers. , 2014, , . | | 0 |
| 107 | Core/Shell Quantum Dots Encapsulated in Biocompatible Oil-Core Nanocarriers as Two-Photon Fluorescent Markers for Bioimaging. <i>Langmuir</i> , 2014, 30, 14931-14943. | 3.5 | 30 |
| 108 | Comparison of third-order nonlinear optical properties of colloidal gold nanoshells and nanorods. , 2014, , . | | 1 |

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| 109 | Z-scan studies of nonlinear optical properties of colloidal gold nanorods and nanoshells. Journal of Nanophotonics, 2014, 9, 093797. | 1.0 | 6 |
| 110 | Surface plasmon influence on two-photon luminescence from single gold nanorods. , 2014, , . | | 1 |
| 111 | Charge carrier mobility study of a mesogenic thienothiophene derivative in bulk and thin films. Organic Electronics, 2014, 15, 943-953. | 2.6 | 24 |
| 112 | Synthesis, optical and nonlinear optical properties of new pyrazoline derivatives. Dyes and Pigments, 2014, 102, 63-70. | 3.7 | 36 |
| 113 | Modified <i>Z</i> -scan technique using focus-tunable lens. Journal of Optics (United Kingdom), 2014, 16, 125202. | 2.2 | 12 |
| 114 | Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. Physical Chemistry Chemical Physics, 2014, 16, 16941-16956. | 2.8 | 48 |
| 115 | Photocurrent enhancement in polythiophene doped with silver nanoparticles. Optical Materials, 2014, 37, 688-694. | 3.6 | 13 |
| 116 | Shell-thickness-dependent nonlinear optical properties of colloidal gold nanoshells. Journal of Materials Chemistry C, 2014, 2, 7239-7246. | 5.5 | 25 |
| 117 | A 5-(difluorenyl)-1,10-phenanthroline-based Ru(II) complex as a coating agent for potential multifunctional gold nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 14826-14833. | 2.8 | 14 |
| 118 | Optical nonlinearities and two-photon excited time-resolved luminescence in colloidal quantum-confined CuInS ₂ /ZnS heterostructures. RSC Advances, 2014, 4, 34065. | 3.6 | 26 |
| 119 | Synthesis and photophysical properties of two-photon chromophores containing 1H-benzimidazole residue. Dyes and Pigments, 2014, 111, 162-175. | 3.7 | 14 |
| 120 | Biogenic gold nanoparticles enhance methylene blue-induced phototoxic effect on Staphylococcus epidermidis. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 25 |
| 121 | Post-synthesis reshaping of gold nanorods using a femtosecond laser. Physical Chemistry Chemical Physics, 2014, 16, 71-78. | 2.8 | 61 |
| 122 | Enhancement of Two-Photon Absorption Cross Section in CdSe Quantum Rods. Journal of Physical Chemistry C, 2014, 118, 17914-17921. | 3.1 | 38 |
| 123 | Hole transport in organic field-effect transistors with active poly(3-hexylthiophene) layer containing CdSe quantum dots. Materials Science-Poland, 2013, 31, 288-297. | 1.0 | 3 |
| 124 | Ligand-dependent luminescence of ultra-small Eu ³⁺ -doped NaYF ₄ nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1707. | 1.9 | 22 |
| 125 | Multiphoton absorption in europium(III) doped YVO ₄ nanoparticles. Journal of Materials Chemistry C, 2013, 1, 5837. | 5.5 | 25 |
| 126 | Gold nanorods as multifunctional probes in a liquid crystalline DNA matrix. Nanoscale, 2013, 5, 10975. | 5.6 | 22 |

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|-----|--|------|-----------|
| 127 | Nonlinear Optical Properties of Coordination and Organometallic Complexes. , 2013, , 781-835. | | 20 |
| 128 | A comparison of morphology, structure and optical properties of ultrasmall, small and core-shell up-converting NaYF ₄ /NaGdF ₄ nanocrystals co-doped with Tm ³⁺ and Yb ³⁺ ions. Journal of Luminescence, 2013, 133, 138-144. | 3.1 | 11 |
| 129 | Multiphoton absorption in amyloid protein fibres. Nature Photonics, 2013, 7, 969-972. | 31.4 | 88 |
| 130 | Wavelength Dependence of the Complex Third-Order Nonlinear Optical Susceptibility of Poly(3-hexylthiophene) Studied by Femtosecond Z-Scan in Solution and Thin Film. Journal of Physical Chemistry C, 2013, 117, 26197-26203. | 3.1 | 27 |
| 131 | Tuning two-photon absorption cross-sections for triphenylamine derivatives. RSC Advances, 2013, 3, 17914. | 3.6 | 18 |
| 132 | Impact of the Synergistic Collaboration of Oligothiophene Bridges and Ruthenium Complexes on the Optical Properties of Dumbbell-Shaped Compounds. Chemistry - A European Journal, 2013, 19, 1476-1488. | 3.3 | 9 |
| 133 | Styryl dye possessing donor-acceptor structure Synthesis, spectroscopic and computational studies. Dyes and Pigments, 2013, 99, 673-685. | 3.7 | 33 |
| 134 | Two-Photon Solvatochromism II: Experimental and Theoretical Study of Solvent Effects on the Two-Photon Absorption Spectrum of Reichardt's Dye. ChemPhysChem, 2013, 14, 3731-3739. | 2.1 | 32 |
| 135 | Wavelength dependence of nonlinear optical properties of colloidal CdS quantum dots. Nanoscale, 2013, 5, 2388. | 5.6 | 55 |
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