

Ioannis Polyzos

List of Publications by Year in descending order

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30
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516681

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#	ARTICLE	IF	CITATIONS
1	Benzothiazoles with Tunable Electron-Withdrawing Strength and Reverse Polarity: A Route to Triphenylamine-Based Chromophores with Enhanced Two-Photon Absorption. <i>Journal of Organic Chemistry</i> , 2011, 76, 8726-8736.	3.2	138
2	Stress Transfer Mechanisms at the Submicron Level for Graphene/Polymer Systems. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4216-4223.	8.0	105
3	Two-photon absorption properties of novel organic materials for three-dimensional optical memories. <i>Chemical Physics Letters</i> , 2003, 369, 264-268.	2.6	78
4	Z-scan technique through beam radius measurements. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 83-86.	2.2	63
5	Intensity dependent nonlinear absorption of pyrylium chromophores. <i>Chemical Physics Letters</i> , 2001, 342, 155-161.	2.6	55
6	A two-photon absorption study of fluorene and carbazole derivatives. The role of the central core and the solvent polarity. <i>Chemical Physics Letters</i> , 2007, 447, 300-304.	2.6	53
7	Quadrupolar Benzobisthiazole-Cored Arylamines as Highly Efficient Two-Photon Absorbing Fluorophores. <i>Organic Letters</i> , 2014, 16, 6358-6361.	4.6	52
8	Suspended monolayer graphene under true uniaxial deformation. <i>Nanoscale</i> , 2015, 7, 13033-13042.	5.6	52
9	Modulation of (non)linear optical properties in tripodal molecules by variation of the peripheral cyano acceptor moieties and the π -spacer. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7345-7355.	5.5	47
10	Z-scan analysis for high order nonlinearities through Gaussian decomposition. <i>Optics Communications</i> , 2003, 225, 253-268.	2.1	40
11	A novel approach for analyzing open Z-scan experiments. <i>Optics Communications</i> , 2006, 266, 284-289.	2.1	36
12	Z-scan technique for elliptic Gaussian beams. <i>Applied Physics B: Lasers and Optics</i> , 2003, 77, 71-75.	2.2	33
13	Three-photon induced photobleaching in a three-dimensional memory material. <i>Optics Letters</i> , 2005, 30, 2654.	3.3	25
14	Molecular Modeling Combined with Advanced Chemistry for the Rational Design of Efficient Graphene Dispersing Agents. <i>ACS Macro Letters</i> , 2016, 5, 24-29.	4.8	21
15	Strong Two Photon Absorption and Photophysical Properties of Symmetrical Chromophores with Electron Accepting Edge Substituents. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4742-4748.	2.5	20
16	3-Arm star pyrene-functional PMMAs for efficient exfoliation of graphite in chloroform: fabrication of graphene-reinforced fibrous veils. <i>Nanoscale</i> , 2019, 11, 915-931.	5.6	19
17	Direct Iodination of Electron-Deficient Benzothiazoles: Rapid Access to Two-Photon Absorbing Fluorophores with Quadrupolar D- π -A- π -D Architecture and Tunable Heteroaromatic Core. <i>Organic Letters</i> , 2021, 23, 3460-3465.	4.6	19
18	Oxidative C-H Homocoupling of Push-Pull Benzothiazoles: An Atom-Economical Route to Highly Emissive Quadrupolar Arylamine-Functionalized 2,2'-Bibenzothiazoles with Enhanced Two-Photon Absorption. <i>Organic Letters</i> , 2021, 23, 5512-5517.	4.6	17

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19	Excited state dynamics of a partially conjugated polymer studied by femtosecond fluorescence upconversion spectroscopy. <i>Chemical Physics Letters</i> , 2004, 394, 372-376.	2.6	16
20	Two-photon polymerization of a diacrylate using fluorene photoinitiators as sensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 25-30.	3.9	15
21	Strain Engineering in Highly Wrinkled CVD Graphene/Epoxy Systems. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43192-43202.	8.0	14
22	Study of the Isotropic and Anisotropic Fluorescence of Two Oligothiophenes by Femtosecond Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9476-9481.	2.6	13
23	Substituent Effect on the Photobleaching of Pyrylium Salts under Ultrashort Pulsed Illumination. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2593-2597.	2.6	12
24	Star-Shaped Push-Pull Molecules with a Varied Number of Peripheral Acceptors: An Insight into Their Optoelectronic Features. <i>ChemPhotoChem</i> , 2018, 2, 465-474.	3.0	12
25	Enhancing the adhesion of graphene to polymer substrates by controlled defect formation. <i>Nanotechnology</i> , 2019, 30, 015704.	2.6	12
26	Triphenylamine-based fluorophores bearing peripheral diazine regioisomers. Synthesis, characterization, photophysics and two-photon absorption. <i>Dyes and Pigments</i> , 2022, 201, 110230.	3.7	11
27	Dual amplified spontaneous emission and laser action from a model oligo(phenylene vinylene): comparison with the corresponding polymer. <i>Optical Materials</i> , 2004, 27, 503-507.	3.6	9
28	Two- and three-photon absorption of organic ionic pyrylium based materials. <i>Journal of Chemical Physics</i> , 2009, 130, 174312.	3.0	7
29	Compensation of nonlinear absorption in a soliton communication system. <i>Chaos, Solitons and Fractals</i> , 2008, 35, 151-160.	5.1	4
30	Examination of the Spatial Distribution of Dyes and Polymers in Thin Films by Two-Photon Microscopy. <i>Monatshefte für Chemie</i> , 2001, 132, 169-175.	1.8	3