

Eric W Van Stryland

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/574734/publications.pdf>

Version: 2024-02-01

219
papers

7,684
citations

36203

51
h-index

56606

83
g-index

223
all docs

223
docs citations

223
times ranked

6112
citing authors

#	ARTICLE	IF	CITATIONS
1	Two Photon Absorption, Nonlinear Refraction, And Optical Limiting In Semiconductors. Optical Engineering, 1985, 24, 613.	0.5	336
2	Energy band-gap dependence of two-photon absorption. Optics Letters, 1985, 10, 490.	1.7	307
3	Large nonlinear phase shifts in second-order nonlinear-optical processes. Optics Letters, 1993, 18, 13.	1.7	296
4	Nonlinear refraction and absorption: mechanisms and magnitudes. Advances in Optics and Photonics, 2010, 2, 60.	12.1	277
5	Investigation of Two-Photon Absorption Properties in Branched Alkene and Alkyne Chromophores. Journal of the American Chemical Society, 2006, 128, 11840-11849.	6.6	233
6	New Two-Photon Absorbing Fluorene Derivatives: Synthesis and Nonlinear Optical Characterization. Organic Letters, 1999, 1, 1575-1578.	2.4	212
7	Two-photon absorption cross-sections of common photoinitiators. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 162, 497-502.	2.0	211
8	Extended Squaraine Dyes with Large Two-Photon Absorption Cross-Sections. Journal of the American Chemical Society, 2006, 128, 14444-14445.	6.6	205
9	Near-IR Two-Photon Photoinitiated Polymerization Using a Fluorone/Amine Initiating System. Journal of the American Chemical Society, 2000, 122, 1217-1218.	6.6	191
10	Donor-Acceptor-Donor-based π -Conjugated Oligomers for Nonlinear Optics and Near-IR Emission. Chemistry of Materials, 2011, 23, 3805-3817.	3.2	189
11	Optical switching and n_2 measurements in CS ₂ . Optics Communications, 1984, 50, 256-260.	1.0	157
12	Two-Photon Absorption at Telecommunications Wavelengths in a Dipolar Chromophore with a Pyrrole Auxiliary Donor and Thiazole Auxiliary Acceptor. Journal of the American Chemical Society, 2005, 127, 7282-7283.	6.6	150
13	All-optical switching devices based on large nonlinear phase shifts from second harmonic generation. Applied Physics Letters, 1993, 62, 1323-1325.	1.5	147
14	Synthesis, Characterization, and Optical Properties of New Two-Photon-Absorbing Fluorene Derivatives. Chemistry of Materials, 2004, 16, 4634-4641.	3.2	138
15	Optimization of optical limiting devices based on excited-state absorption. Applied Optics, 1997, 36, 4110.	2.1	121
16	Sensitive mid-infrared detection in wide-bandgap semiconductors using extreme non-degenerate two-photon absorption. Nature Photonics, 2011, 5, 561-565.	15.6	118
17	Temporal, spectral, and polarization dependence of the nonlinear optical response of carbon disulfide. Optica, 2014, 1, 436.	4.8	117
18	Resonant enhancement of two-photon absorption in substituted fluorene molecules. Journal of Chemical Physics, 2004, 121, 3152-3160.	1.2	114

#	ARTICLE	IF	CITATIONS
19	Numerical modeling of thermal refraction in liquids in the transient regime. <i>Optics Express</i> , 1999, 4, 315.	1.7	113
20	Linear and Two-Photon Photophysical Properties of a Series of Symmetrical Diphenylaminofluorenes. <i>Chemistry of Materials</i> , 2004, 16, 2267-2273.	3.2	109
21	Nonlinear optical beam propagation for optical limiting. <i>Applied Optics</i> , 1999, 38, 5168.	2.1	107
22	Investigation of an optical limiting mechanism in multiwalled carbon nanotubes. <i>Applied Optics</i> , 2000, 39, 1998.	2.1	104
23	Essential-State Model for Polymethine Dyes: Symmetry Breaking and Optical Spectra. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1800-1804.	2.1	94
24	Extremely nondegenerate two-photon absorption in direct-gap semiconductors [Invited]. <i>Optics Express</i> , 2011, 19, 22951.	1.7	92
25	Donor-Acceptor Donor Fluorene Derivatives for Two-Photon Fluorescence Lysosomal Imaging. <i>Journal of Organic Chemistry</i> , 2010, 75, 3965-3974.	1.7	90
26	Comparison of nonlinear absorption in three similar dyes: Polymethine, squaraine and tetraone. <i>Chemical Physics</i> , 2008, 348, 143-151.	0.9	85
27	Nature of the electronic transitions in thiocarbocyanines with a long polymethine chain. <i>Chemical Physics</i> , 2004, 305, 259-270.	0.9	82
28	Synthesis and Photophysical Properties of Donor- and Acceptor-Substituted 1,7-Bis(arylalkynyl)perylene-3,4:9,10-bis(dicarboximide)s. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5585-5593.	1.1	82
29	Synthesis and Two-Photon Spectrum of a Bis(Porphyrin)-Substituted Squaraine. <i>Journal of the American Chemical Society</i> , 2009, 131, 7510-7511.	6.6	81
30	White-light continuum Z-scan technique for nonlinear materials characterization. <i>Optics Express</i> , 2004, 12, 3820.	1.7	76
31	Laser-Induced Damage And The Role Of Self-Focusing. <i>Optical Engineering</i> , 1989, 28, 1133.	0.5	75
32	Molecular structure-two-photon absorption property relations in polymethine dyes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 56.	0.9	74
33	Optimization of Band Structure and Quantum-Size-Effect Tuning for Two-Photon Absorption Enhancement in Quantum Dots. <i>Nano Letters</i> , 2011, 11, 1227-1231.	4.5	73
34	Experimental and theoretical approaches to understanding two-photon absorption spectra in polymethine and squaraine molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 67.	0.9	69
35	Efficient Two-Photon Absorbing Acceptor-Acceptor Polymethine Dyes. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6493-6501.	1.1	67
36	Two-Photon Absorption in Quadrupolar Bis(acceptor)-Terminated Chromophores with Electron-Rich Bis(heterocycle)vinylene Bridges. <i>Chemistry of Materials</i> , 2007, 19, 432-442.	3.2	66

#	ARTICLE	IF	CITATIONS
37	Excited state absorption and decay kinetics of near IR polymethine dyes. <i>Chemical Physics</i> , 2008, 352, 97-105.	0.9	64
38	Dual-arm Z-scan technique to extract dilute solute nonlinearities from solution measurements. <i>Optical Materials Express</i> , 2012, 2, 1776.	1.6	64
39	Beam deflection measurement of time and polarization resolved ultrafast nonlinear refraction. <i>Optics Letters</i> , 2013, 38, 3518.	1.7	64
40	Dispersion of nonlinear refraction and two-photon absorption using a white-light continuum Z-scan. <i>Optics Express</i> , 2005, 13, 3594.	1.7	63
41	Nonlinear absorption in a series of Donor- π -Acceptor cyanines with different conjugation lengths. <i>Journal of Materials Chemistry</i> , 2009, 19, 7503.	6.7	62
42	Near-Unity Quantum Yields for Intersystem Crossing and Singlet Oxygen Generation in Polymethine-like Molecules: Design and Experimental Realization. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2354-2360.	2.1	62
43	Nonlinear light absorption of polymethine dyes in liquid and solid media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 802.	0.9	61
44	Two-photon absorption in CdTe quantum dots. <i>Optics Express</i> , 2005, 13, 6460.	1.7	60
45	Line narrowing in a symmetry broken laser. <i>Optics Communications</i> , 1975, 15, 6-9.	1.0	59
46	Laser calorimetric measurement of two-photon absorption. <i>Applied Physics Letters</i> , 1979, 34, 142-144.	1.5	55
47	Temporal and polarization dependence of the nonlinear optical response of solvents. <i>Optica</i> , 2018, 5, 583.	4.8	55
48	Two-photon absorption spectra of a near-infrared 2-azaazulene polymethine dye: solvation and ground-state symmetry breaking. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7666.	1.3	53
49	Polymethine and squarylium molecules with large excited-state absorption. <i>Chemical Physics</i> , 1999, 245, 79-97.	0.9	52
50	High two-photon cross-sections in bis(diarylamino)styryl chromophores with electron-rich heterocycle and bis(heterocycle)vinylene bridges. <i>Chemical Communications</i> , 2007, , 1372-1374.	2.2	52
51	Size dependence of carrier dynamics and carrier multiplication in PbS quantum dots. <i>Physical Review B</i> , 2011, 83, .	1.1	52
52	Broadband Z-scan characterization using a high-spectral-irradiance, high-quality supercontinuum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 159.	0.9	51
53	Effective third-order nonlinearities in metallic refractory titanium nitride thin films. <i>Optical Materials Express</i> , 2015, 5, 2395.	1.6	50
54	Role of Symmetry Breaking on the Optical Transitions in Lead-Salt Quantum Dots. <i>Nano Letters</i> , 2010, 10, 3577-3582.	4.5	49

#	ARTICLE	IF	CITATIONS
55	Self-defocusing in CdSe induced by charge carriers created by two-photon absorption. <i>Optics Letters</i> , 1985, 10, 285.	1.7	45
56	Excited-state absorption dynamics in polymethine dyes detected by polarization-resolved pump-probe measurements. <i>Chemical Physics</i> , 2003, 286, 277-291.	0.9	45
57	Two-photon spectroscopy and analysis with a white-light continuum probe. <i>Optics Letters</i> , 2002, 27, 270.	1.7	44
58	Structure and linear spectroscopic properties of near IR polymethine dyes. <i>Journal of Luminescence</i> , 2008, 128, 1927-1936.	1.5	44
59	Synthesis and characterization of the multi-photon absorption and excited-state properties of a neat liquid 4-propyl 4-butyl diphenyl acetylene. <i>Journal of Materials Chemistry</i> , 2009, 19, 7525.	6.7	44
60	Enhanced Intersystem Crossing Rate in Polymethine-Like Molecules: Sulfur-Containing Squaraines versus Oxygen-Containing Analogues. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2333-2346.	1.1	44
61	Synthesis of Two-Photon Absorbing Unsymmetrical Fluorenyl-Based Chromophores. <i>Chemistry of Materials</i> , 2006, 18, 4972-4980.	3.2	42
62	Linear and Nonlinear Spectroscopy of a Porphyrin-Squaraine-Porphyrin Conjugated System. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14854-14867.	1.2	42
63	Photophysical Properties of an Alkyne-Bridged Bis(zinc porphyrin)-Perylene Bis(dicarboximide) Derivative. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10826-10832.	1.1	41
64	Two-photon anisotropy: Analytical description and molecular modeling for symmetrical and asymmetrical organic dyes. <i>Chemical Physics</i> , 2006, 321, 257-268.	0.9	40
65	Picosecond optical limiting in reverse saturable absorbers: a theoretical and experimental study. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 94.	0.9	36
66	Picosecond air breakdown studies at 0.53 μ m. <i>Applied Physics Letters</i> , 1983, 43, 352-354.	1.5	34
67	Conjugated Polycyanines: A New Class of Materials with Large Third-Order Optical Nonlinearities. <i>Advanced Optical Materials</i> , 2015, 3, 900-906.	3.6	33
68	Linear Photophysics and Femtosecond Nonlinear Spectroscopy of a Star-Shaped Squaraine Derivative with Efficient Two-Photon Absorption. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11099-11110.	1.5	33
69	Two-Photon Absorption in Near-IR Conjugated Molecules: Design Strategy and Structure-Property Relations. <i>Springer Series on Fluorescence</i> , 2010, , 105-147.	0.8	31
70	Beam deflection measurement of bound-electronic and rotational nonlinear refraction in molecular gases. <i>Optics Express</i> , 2015, 23, 22224.	1.7	30
71	Facile Incorporation of Pd(PPh ₃) ₂ Hal Substituents into Polymethines, Merocyanines, and Perylene Diimides as a Means of Suppressing Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 10112-10115.	6.6	29
72	Viscosity dependence of optical limiting in carbon black suspensions. <i>Applied Optics</i> , 2002, 41, 1103.	2.1	28

#	ARTICLE	IF	CITATIONS
73	Two-Photon Absorption Spectrum of a Single Crystal Cyanine-like Dye. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1222-1228.	2.1	27
74	Synthesis and characterization of novel rigid two-photon absorbing polymers. <i>Polymers for Advanced Technologies</i> , 2005, 16, 150-155.	1.6	26
75	Dispersion of nondegenerate nonlinear refraction in semiconductors. <i>Optics Express</i> , 2016, 24, 24907.	1.7	26
76	Nanostructuring Lipophilic Dyes in Water Using Stable Vesicles, Quasomes, as Scaffolds and Their Use as Probes for Bioimaging. <i>Small</i> , 2018, 14, e1703851.	5.2	25
77	Systematic Molecular Engineering of a Series of Aniline-Based Squaraine Dyes and Their Structure-Related Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3994-4008.	1.5	25
78	Femtosecond-to-nanosecond nonlinear spectroscopy of polymethine molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2664.	0.9	24
79	Three-photon absorption spectra of zinc blende semiconductors: theory and experiment. <i>Optics Letters</i> , 2008, 33, 2626.	1.7	24
80	Spectral and temperature dependence of two-photon and free-carrier absorption in InSb. <i>Physical Review B</i> , 2010, 82, .	1.1	24
81	Strong two-photon absorption at telecommunications wavelengths in nickel bis(dithiolen) complexes. <i>Optics Letters</i> , 2007, 32, 671.	1.7	23
82	Electronic Nature of New Ir(III) Complexes: Linear Spectroscopic and Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23609-23617.	1.5	23
83	Quasi-three-level model applied to measured spectra of nonlinear absorption and refraction in organic molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 780.	0.9	22
84	Temporal, spectral, and polarization dependence of the nonlinear optical response of carbon disulfide: erratum. <i>Optica</i> , 2016, 3, 657.	4.8	22
85	Z-scan technique for nonlinear materials characterization. <i>Proceedings of SPIE</i> , 1997, , .	0.8	21
86	Nonlinear Optical Properties of $X(C_6H_5)_4$ ($X = B^{\oplus}, C$) <i>TJ ETQq0 0 0 rgBT /Overloc</i> <i>Journal of the American Chemical Society</i> , 2015, 137, 9635-9642.	6.6	21
87	Observation of Nondegenerate Two-Photon Gain in GaAs. <i>Physical Review Letters</i> , 2016, 117, 073602.	2.9	21
88	Highly Conjugated, Fused-Ring, Quadrupolar Organic Chromophores with Large Two-Photon Absorption Cross-Sections in the Near-Infrared. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4367-4378.	1.1	20
89	Optical Nonlinearities in the Transparency Region of Bulk Semiconductors. <i>Semiconductors and Semimetals</i> , 1998, , 257-318.	0.4	19
90	Effects of <i>meso</i> -M(PPh_3) ₂ Cl (M = Pd, Ni) substituents on the linear and third-order nonlinear optical properties of chalcogenopyrylium-terminated heptamethines in solution and solid states. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3613-3620.	2.7	19

#	ARTICLE	IF	CITATIONS
91	Electronic Nature of Neutral and Charged Two-Photon Absorbing Squaraines for Fluorescence Bioimaging Application. ACS Omega, 2019, 4, 14669-14679.	1.6	19
92	Picosecond absorption anisotropy of polymethine and squarylium dyes in liquid and polymeric media. Chemical Physics, 2001, 273, 235-248.	0.9	18
93	Three-dimensional IR imaging with uncooled GaN photodiodes using nondegenerate two-photon absorption. Optics Express, 2016, 24, 1196.	1.7	18
94	Nonlinear optical Properties of Liquid Crystals In The Isotropic Phase. Molecular Crystals and Liquid Crystals, 1987, 143, 139-143.	0.9	17
95	Energy and spectral enhancement of femtosecond supercontinuum in a noble gas using a weak seed. Optics Express, 2011, 19, 757.	1.7	17
96	Characterisation of a dipolar chromophore with third-harmonic generation applications in the near-IR. Journal of Materials Chemistry, 2012, 22, 4371.	6.7	17
97	Zwitterionic Cyanine—Cyanine Salt: Structure and Optical Properties. Journal of Physical Chemistry C, 2016, 120, 15378-15384.	1.5	17
98	Benzothiadiazole—Substituted Aza—BODIPY Dyes: Two—Photon Absorption Enhancement for Improved Optical Limiting Performances in the Short—Wave IR Range. Chemistry - A European Journal, 2021, 27, 3517-3525.	1.7	16
99	New class of nonlinear optical crystals among arginine salts. , 2002, 4751, 217.		14
100	Absorption anisotropy studies of polymethine dyes. Chemical Physics, 2004, 306, 171-183.	0.9	14
101	Picosecond Damage Studies At 0.5 And 1 μm . Optical Engineering, 1983, 22, 424.	0.5	13
102	Verification of the Scaling Rule for Two-photon Absorption in Semiconductors. Optica Acta, 1986, 33, 381-386.	0.7	12
103	Optimization of the Double Pump—Probe Technique: Decoupling the Triplet Yield and Cross Section. Journal of Physical Chemistry A, 2012, 116, 4833-4841.	1.1	12
104	Cationic Polyelectrolyte for Anionic Cyanines: An Efficient Way To Translate Molecular Properties into Material Properties. Journal of the American Chemical Society, 2019, 141, 17331-17336.	6.6	12
105	Level decay and orientational kinetics of the rhodamine B monomer and dimer. Chemical Physics Letters, 1981, 78, 456-460.	1.2	11
106	Optical nonlinearities in carbon black particles. , 1990, , .		11
107	Engineered nonlinear materials using gold nanoantenna array. Scientific Reports, 2018, 8, 780.	1.6	11
108	Three-photon absorption spectra and bandgap scaling in direct-gap semiconductors. Optica, 2020, 7, 888.	4.8	11

#	ARTICLE	IF	CITATIONS
109	Self-focusing and optical damage in Cr:LiSAF and Cr:LiCAF. , 1993, , .		10
110	Nonlinear refraction dynamics of solvents and gases. Proceedings of SPIE, 2016, , .	0.8	10
111	Electronic Nature of Nonlinear Optical Properties of a Symmetrical Two-Photon Absorbing Fluorene Derivative: Experimental Study and Theoretical Modeling. Journal of Physical Chemistry C, 2018, 122, 5664-5672.	1.5	10
112	Laser-induced damage measurements in CdTe and other II-VI materials. Applied Optics, 1982, 21, 4059.	2.1	9
113	Characterization of nonlinear optical materials. , 1994, 2114, 444.		9
114	Software for computer modeling of laser-pulse propagation through an optical system with nonlinear optical elements. , 1998, 3472, 163.		9
115	Enhancement of Two-Photon Absorption in Quantum Wells for Extremely Nondegenerate Photon Pairs. IEEE Journal of Quantum Electronics, 2016, 52, 1-14.	1.0	9
116	Dual Emissive Multinuclear Iridium(III) Complexes in Solutions: Linear Photophysical Properties, Two-Photon Absorption Spectra, and Photostability. Journal of Physical Chemistry C, 2018, 122, 6786-6793.	1.5	9
117	Third- and Fifth-Order Nonlinear Optical Response of a TICT/Stilbene Hybrid Chromophore. Journal of Physical Chemistry C, 2020, 124, 5363-5370.	1.5	9
118	<title>Self-protecting optical limiters using cascading geometries</title>. , 1992, , .		8
119	Nonlinear refraction and absorption measurements of thin films by the dual-arm Z-scan method. Applied Optics, 2019, 58, D28.	0.9	7
120	<title>Optical nonlinearities in diamond</title>. , 1995, , .		6
121	<title>Nonlinear spectrometer for characterization of organic and polymeric molecules</title>. , 1999, , .		6
122	Synthesis of a Nickel Bis(dithiolene) Complex with Strong Near-Infrared Two-Photon Absorption. Molecular Crystals and Liquid Crystals, 2008, 485, 915-927.	0.4	6
123	Enhancement Mechanism of Nonlinear Optical Response of Transparent Conductive Oxides at Epsilon-Near-Zero. , 2018, , .		6
124	Kramers-Kronig relation between n_2 and two-photon absorption. , 1990, 1307, 395.		5
125	<title>Characterization of nonlinear absorption and refraction in advanced materials</title>. , 1993, 1852, 135.		5
126	<title>Tandem limiter optimization</title>. , 1994, 2229, 179.		5

#	ARTICLE	IF	CITATIONS
127	Broadband Z-scan characterization using a high-spectral-irradiance, high-quality supercontinuum: erratum. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1663.	0.9	5
128	Chromenes involving a two-photon absorbing moiety: photochromism via intramolecular resonance energy transfer. New Journal of Chemistry, 2016, 40, 1143-1148.	1.4	5
129	Fast Triplet Population in Iridium(III) Complexes with Less than Unity Singlet to Triplet Quantum Yield. Journal of Physical Chemistry C, 2019, 123, 13846-13855.	1.5	5
130	New Two-Photon Absorbing Squaraine Derivative with Efficient Near-Infrared Fluorescence, Superluminescence, and High Photostability. Journal of Physical Chemistry B, 2022, 126, 3897-3907.	1.2	5
131	<title>Nonlinear refraction in UV transmitting materials</title>. , 1992, , .		4
132	<title>Liquid-based multicell optical limiter</title>. , 1996, , .		4
133	<title>Nonlinear optical properties of the inorganic metal cluster $\text{MO}_2\text{Ag}_4\text{S}_4$ </title>. , 1996, 2853, 142.		4
134	Three-photon absorption spectra of zinc blende semiconductors: theory and experiment: erratum. Optics Letters, 2020, 45, 1025.	1.7	4
135	Nondegenerate two-photon absorption in GaAs/AlGaAs multiple quantum well waveguides. Physical Review Research, 2020, 2, .	1.3	4
136	Femtosecond Spectroscopy and Nonlinear Optical Properties of aza-BODIPY Derivatives in Solution. Chemistry - A European Journal, 2022, 28, .	1.7	4
137	Nonlinearities in semiconductors for optical limiting. , 1990, , .		3
138	<title>Femtosecond continuum probe measurements of nonlinearities of organic dyes</title>. , 1996, , .		3
139	Two-photon absorption and multi-exciton generation in lead salt quantum dots. , 2010, , .		3
140	Optimization of the electronic third-order nonlinearity of cyanine-like molecules for all optical switching. , 2014, , .		3
141	Third-Order Nonlinear Optical Coefficients of Si and GaAs in the Near-Infrared Spectral Region. , 2018, , .		3
142	2- $\frac{1}{4}$ m laser damage and 3-6 $\frac{1}{4}$ m optical parametric oscillation in AgGaSe 2. , 1994, , .		2
143	Three-dimensional two-photon imaging in polymeric materials. , 2002, 4459, 281.		2
144	Linear and nonlinear optical properties of highly transmissive one-dimensional metal-organic photonic bandgap structures. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
145	Effective third-order nonlinearities in metallic refractory titanium nitride thin films: publisher's note. <i>Optical Materials Express</i> , 2015, 5, 2587.	1.6	2
146	Nondegenerate two- and three-photon nonlinearities in semiconductors. , 2016, , .		2
147	Transient mid-IR nonlinear refraction in air. <i>Optics Express</i> , 2021, 29, 10863.	1.7	2
148	Enhanced Nonlinear Phase-Shift in Epsilon-Near-Zero Materials: The effect of Group and Phase Velocity. , 2020, , .		2
149	Spectral and angular dependence of the giant nonlinear refraction of Indium Tin Oxide excited at epsilon-near-zero. , 2019, , .		2
150	Pulsed and CW IR Detection in Wide-gap Semiconductors using Extremely Nondegenerate Two-photon Absorption. , 2013, , .		2
151	Measuring Nonlinear Refraction and Its Dispersion. <i>Topics in Applied Physics</i> , 2009, , 573-591.	0.4	2
152	<title>Excite-probe two-color Z-scan</title>. , 1992, 1692, 63.		1
153	<title>EZ-scan: single-beam measurement technique for thin-film nonlinearities</title>. , 1994, , .		1
154	<title>Reverse saturable absorption in polymethine dyes</title>. , 1997, 3146, 12.		1
155	Optical limiting properties of neutral nickel dithiolenes. , 1999, , .		1
156	<title>Optical limiting via nonlinear scattering with sol-gel host materials</title>. , 1999, 3798, 17.		1
157	<title>Development of solid state optical limiting devices</title>. , 1999, , .		1
158	Nonlinear optical spectroscopic characterization of a series of fluorene derivatives. , 2003, , .		1
159	Two-photon Absorption in Single Crystals of Cyanine-like Dye. , 2010, , .		1
160	Large Two-Photon Absorption Enhancement with Extremely Nondegenerate Photons. , 2011, , .		1
161	IR detection in wide-gap semiconductors using extreme nondegenerate two-photon absorption. , 2012, , .		1
162	Nonlinear solid-state filter based on photochromism induced by 2-photon absorption in a dye-doped sol-gel. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1

#	ARTICLE	IF	CITATIONS
163	Quasi-three-level model applied to measured spectra of nonlinear absorption and refraction in organic molecules: publisher's note. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1007.	0.9	1
164	Cross-propagating beam-deflection measurements of third-order nonlinear optical susceptibility. , 2017, , .		1
165	Optical Limiter using Epsilon-Near-Zero Grating. , 2019, , .		1
166	Time-Resolved Nonlinear Refraction of Indium Tin Oxide at Epsilon Near Zero. , 2017, , .		1
167	High Spectral Irradiance White-Light Continuum Z-scan. Springer Series in Chemical Physics, 2007, , 107-109.	0.2	1
168	Linear and nonlinear optical response of aligned gold nanorods. , 2009, , .		1
169	Effective Third-Order Nonlinearities in Refractory Plasmonic TiN Thin Films. , 2016, , .		1
170	Characterization of the ultrafast nonlinear response of new organic compounds. , 2020, , .		1
171	<title>Dispersion of n^2 in solids</title>. , 1991, 1441, 430.		0
172	<title>All-optical switching using second-order nonlinearities in KTP</title>. , 1994, 2229, 200.		0
173	<title>Damage threshold measurement of quartz windows</title>. , 1995, , .		0
174	<title>Two-beam coupling in liquids via stimulated Rayleigh-wing scattering</title>. , 1996, , .		0
175	<title>Role of self-focusing in laser-induced breakdown of water caused by nano- and picosecond pulses</title>. , 1997, 2966, 490.		0
176	<title>Imaging-eclipsing-Z-scan method for measurement of the nonlinear refractive index of materials</title>. , 1999, 3572, 236.		0
177	Waveguides in chalcogenide glasses produced by a train of femtosecond laser pulses. , 2001, , .		0
178	Reactive two-photon fluorescent probes for biological imaging. , 2003, 5211, 91.		0
179	Fluorescent dyes for multiphoton bio-imaging applications. , 2004, , .		0
180	New highly efficient two-photon fluorescent dyes. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
181	Two-photon-induced excited-state absorption in high-index fibers. , 2004, , .		0
182	Nonlinear absorption and refraction process of fluorene-based molecules via picosecond and femtosecond measurements. , 2006, , .		0
183	Linear and nonlinear absorption studies of polymethine, squaraine and tetraone dyes. , 2007, , .		0
184	Nonlinear characterization of near infrared Polymethine, Squaraine and Tetraone dyes. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
185	Fluorescence dynamics in plasmonic core-shell nanoparticles. , 2008, , .		0
186	Spectral behavior of three-photon absorption in zinc-blende semiconductors. , 2008, , .		0
187	Large Enhancement of Two-Photon Absorption in Semiconductors Using Highly Non-Degenerate Photons. , 2010, , .		0
188	Effective Generation of Triplet States and Singlet Oxygen by Sulfur-Containing Squaraines: Experimental and Theoretical Study. , 2010, , .		0
189	Seeded Femtosecond Supercontinuum in Kr Gas. , 2011, , .		0
190	Nonlinear optical study of oxygen-sulfur squaraines. , 2012, , .		0
191	Extremely Nondegenerate Doubly-Stimulated Two-Photon Emission: Towards a Semiconductor Two-Photon Laser. , 2014, , .		0
192	Extremely Nondegenerate 2-Photon Processes for Detection and Gain. , 2014, , .		0
193	Beam Deflection Measurements of Nondegenerate Nonlinear Refractive Indices in Direct-gap Semiconductors. , 2015, , .		0
194	Dispersion of extremely nondegenerate nonlinear refraction in semiconductors. , 2017, , .		0
195	Nonlinear Absorption Measurements of Aza-Borondipyrromethene Dyes by the Z-Scan Method. , 2019, , .		0
196	Quantum Yield Measurement of Organometallic Complexes using Double Pump Probe Technique. , 2019, , .		0
197	Nonlinear refractive index pulsewidth dependence in the atmosphere. , 2020, , .		0
198	Linear refractive index measurement from visible to infrared region using common path interferometry. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
199	Non-degenerate two-photon absorption spectroscopy of bulk silicon. , 2021, , .		0
200	Two-photon absorption in direct bandgap semiconductors quantum dots. , 2006, , .		0
201	Spectral and Temperature Dependence of Nonlinear Absorption in InSb. , 2009, , .		0
202	Temperature Dependent Nonlinear Absorption in InSb. , 2009, , .		0
203	Evidence of Symmetry Breaking and Carrier Dynamics in Lead Salt Quantum Dots. , 2009, , .		0
204	Three-photon absorption in semiconductors. , 2010, , .		0
205	Three-Photon Absorption of GaAs and other Semiconductors. , 2013, , .		0
206	Dispersion of the Electronic Third-Order Nonlinearity of Symmetric Molecules. , 2013, , .		0
207	Nonlinear spectra/dispersion of quinolinium dyes using dual-arm Z-scan. , 2013, , .		0
208	Measurement of Nonlinear Refraction Dynamics of CS ₂ . , 2014, , .		0
209	3-D Scanning Mid-IR Imaging of Buried Structures Using Extremely Nondegenerate Two-photon Absorption in a GaN Photodiode. , 2015, , .		0
210	Nondegenerate Three-Photon Absorption in GaAs. , 2015, , .		0
211	Nondegenerate Two-Photon Gain in GaAs. , 2015, , .		0
212	Measurement of Nonlinear Optical Response Functions of Common Organic Solvents. , 2016, , .		0
213	Transient Ring Opening and Closing of a Two-photon Photochromic Molecule Utilizing Energy Transfer. , 2017, , .		0
214	Extremely Nondegenerate Two-photon Processes in Semiconductors. , 2017, , .		0
215	Excited-state nonlinearities of Ir(III) complexes. , 2017, , .		0
216	Pulswidth dependence of the nonlinear refractive index of Air. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
217	Three-Photon Absorption Spectra and Bandgap Scaling in Direct-Gap Semiconductors. , 2020, , .		0
218	Nondegenerate optical nonlinearities in semiconductor quantum wells. , 2020, , .		0
219	Transient Nonlinear Refraction of Air in the Mid-IR. , 2020, , .		0