Renato Bozio

List of Publications by Year
in descending order

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172 papers	4,973 citations	81743 39 h-index	110170 64 g-index
181 all docs	181 docs citations	181 times ranked	4842 citing authors

#	Article	IF	Citations
1	Vibrational spectroscopy of molecular constituents of one-dimensional organic conductors. Tetrathiofulvalene (TTF), TTF+, and (TTF+)2 dimer. Journal of Chemical Physics, 1979, 71, 2282.	1.2	207
2	Novel Heterocycle-Based Two-Photon Absorbing Dyes. Organic Letters, 2002, 4, 1495-1498.	2.4	195
3	Push-Pull Organic Chromophores for Frequency-Upconverted Lasing. Advanced Materials, 2000, 12, 1963-1967.	11.1	173
4	Assessment of Water-Soluble Ï€-Extended Squaraines as One- and Two-Photon Singlet Oxygen Photosensitizers:â€‰ Design, Synthesis, and Characterization. Journal of the American Chemical Society, 2008, 130, 1894-1902.	6.6	152
5	Influence of the intermolecular charge transfer interaction on the solution and solid state infrared spectra of 7,7,8,8-tetracyanoquinodimethane (TCNQ) alkaline salts. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 235.	1.1	132
6	Novel heteroaromatic-based multi-branched dyes with enhanced two-photon absorption activityElectronic supplementary information (ESI) available: Experimental section. See http://www.rsc.org/suppdata/cc/b3/b305995b/. Chemical Communications, 2003, , 2144.	2.2	122
7	Strong Enhancement of the Two-Photon Absorption of Tetrakis(4-sulfonatophenyl)porphyrin Diacid in Water upon Aggregation. Journal of Physical Chemistry B, 2005, 109, 2-5.	1.2	122
8	Vibrational analysis of spectra of quinonoid molecular ions. Part 3.â€”Vibrational spectra and assignment of 7,7,8,8-tetracyanoquinodimethane radical anion. Journal of the Chemical Society, Faraday Transactions 2, 1975, 71, 1237-1254.	1.1	115
9	Electron-molecular vibration coupling in 2-D organic conductors : high and low temperature phases of Î±-(BEDT-TTF)2I3. Journal De Physique, 1986, 47, 1377-1387.	1.8	115
10	Spectroscopic Insights into Carbon Dot Systems. Journal of Physical Chemistry Letters, 2017, 8, 2236-2242.	2.1	111
11	Vibrational behavior of molecular constituents of organic superconductors: TMTSF, its radical cation and the sulphur analogs TMTTF and TMTTF+. Journal of Chemical Physics, 1984, 80, 6210-6224.	1.2	109
12	Discovery of vibronic effects in the Raman spectra of mixed-stack charge-transfer crystals. Physical Review B, 1982, 26, 2306-2309.	1.1	101
13	Organic Functionalization and Optical Properties of Carbon Onions. Journal of the American Chemical Society, 2003, 125, 14268-14269.	6.6	93
14	Highly Efficient Amplified Stimulated Emission from CdSeâ€CdSâ€ZnS Quantum Dot Doped Waveguides with Twoâ€Photon Infrared Optical Pumping. Advanced Materials, 2008, 20, 69-73.	11.1	90
15	C60 derivatives embedded in sol-gel silica films. Advanced Materials, 1995, 7, 404-406.	11.1	86
16	Softâ€Lithographed Upâ€Converted Distributed Feedback Visible Lasers Based on CdSeâ€“CdZnSâ€“ZnS Quantum Dots. Advanced Functional Materials, 2012, 22, 337-344.	7.8	82
17	Structural properties of Langmuirâ€“Blodgett films of charge transfer salts: Pristine and iodine doped conducting films of (Nâ€docosylâ€pyridinium)TCNQ. Journal of Chemical Physics, 1987, 86, 2428-2438.	1.2	76
18	Infrared and Raman spectra of TTF and TTF-d4. Chemical Physics Letters, 1977, 52, 503-508.	1.2	72

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19	Enhancement of Two-Photon Absorption Cross-Section and Singlet-Oxygen Generation in Porphyrins upon Î²-Functionalization with Donorâ"Acceptor Substituents. Organic Letters, 2006, 8, 2719-2722.	2.4	71
20	Large third-order nonlinear optical response of porphyrin J-aggregates oriented in self-assembled thin films. Journal of Materials Chemistry, 2006, 16, 1573.	6.7	63
21	Photomodulation of the Chiroptical Properties of New Chiral Methacrylic Polymers with Side Chain Azobenzene Moieties. Chemistry - A European Journal, 2002, 8, 4241-4247.	1.7	62
22	The polarizability in solution of tetra-phenyl-porphyrin derivatives in their excited electronic states: a PCM/TD-DFT study. Physical Chemistry Chemical Physics, 2009, 11, 4664.	1.3	61
23	Raman and infrared frequency shifts proceeding from ionization of perhalo-p-benzoquinones to radical anions. Journal of Chemical Physics, 1978, 68, 22.	1.2	60
24	Electronâ€"molecular-vibration coupling in 7,7,8,8-tetracyano-p-Quinodimethane (TCNQ). Chemical Physics Letters, 1976, 44, 236-240.	1.2	59
25	Investigation into the Heterostructure Interface of CdSe-Based Coreâ€"Shell Quantum Dots Using Surface-Enhanced Raman Spectroscopy. ACS Nano, 2013, 7, 6649-6657.	7.3	57
26	Optical limiting and non linear optical properties of fullerene derivatives embedded in hybrid solâ€"gel glasses. Carbon, 2000, 38, 1653-1662.	5.4	56
27	Indolic Squaraines as Two-Photon Absorbing Dyes in the Visible Region: X-ray Structure, Electrochemical, and Nonlinear Optical Characterization. Chemistry of Materials, 2008, 20, 3242-3244.	3.2	56
28	Oxidation effects on the SERS response of silver nanoprism arrays. RSC Advances, 2017, 7, 369-378.	1.7	55
29	Nonlinear Raman study of line shapes and relaxation of vibrational states of isotopically pure and mixed crystals of benzene. Journal of Chemical Physics, 1984, 81, 4746-4759.	1.2	53
30	Synthesis and Optical-Limiting Behavior of Hybrid Inorganic-Organic Materials from the Sol-Gel Processing of Organofullerenes. Chemistry - A European Journal, 1999, 5, 2501-2510.	1.7	52
31	3-(Glycidoxypropyl)-trimethoxysilaneâ€"TiO2 hybrid organicâ€"inorganic materials for optical limiting. Journal of Non-Crystalline Solids, 2000, 265, 68-74.	1.5	51
32	Correlation between Dielectric/Organic Interface Properties and Key Electrical Parameters in PPV-based OFETs. Journal of Physical Chemistry B, 2008, 112, 10130-10136.	1.2	51
33	Optical limiting properties of soluble fullerene derivatives for incorporation in solâ€"gel materials. Chemical Communications, 1996, , 1891-1892.	2.2	49
34	Engineering of Semiconductor Nanocrystals for Light Emitting Applications. Materials, 2016, 9, 672.	1.3	47
35	Influence of Excitonic Interactions on the Transient Absorption and Two-Photon Absorption Spectra of Porphyrin J-Aggregates in the NIR Region. Journal of Physical Chemistry C, 2007, 111, 18636-18645.	1.5	42
36	Stable SHG from in situ grown oriented nanocrystals of [(E)-N,N-dimethylamino-Nâ€²-methylstilbazolium][p-toluenesulfonate] in a PMMA film. Journal of Materials Chemistry, 2010, 20, 1885.	6.7	42

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37	Phase transitions of (1:1) alkaline salts of TCNQ as studied by vibronic intensity enhancement in the infrared spectra. Journal of Chemical Physics, 1999, 67, 3864.	1.2	41
38	Effective Two-Photon Absorption Cross Section of Heteroaromatic Quadrupolar Dyes:â€‰ Dependence on Measurement Technique and Laser Pulse Characteristics. Journal of Physical Chemistry A, 2008, 112, 4224-4234.	1.1	41
39	Silver Nanoparticle Arrays on a DVD-Derived Template: An easy&cheap SERS Substrate. Plasmonics, 2011, 6, 725-733.	1.8	41
40	Electronic interactions in the organic conductors (TMTSF)2X(X=ClO4andPF6) and (TMTTF)2X(X=Br) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	40
41	Infrared and Raman spectroscopic evidence of ground state charge densities at TCNQ sites in crystalline Cs2 (TCNQ)3. Chemical Physics Letters, 1974, 25, 409-412.	1.2	38
42	Improvement of Photoinduced Birefringence Properties of Optically Active Methacrylic Polymers through Copolymerization of Monomers Bearing Azoaromatic Moieties. Macromolecules, 2006, 39, 489-497.	2.2	38
43	Role of Coreâ€“Shell Interfaces on Exciton Recombination in CdSeâ€“Cd‹sub›‹i›x‹/i›‹/sub›Zn‹sub›1â€“‹i›x‹/i›‹/sub›S Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 24117-24126.	1.5	37
44	Phonon dynamics and superconductivity in the organic crystal Î²-(BEDT-TTF)2Cu[N(CN)2]Br. Physica C: Superconductivity and Its Applications, 1997, 276, 1-8.	0.6	36
45	SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. Plasmonics, 2014, 9, 581-593.	1.8	36
46	Sensitive detection of Ochratoxin A in food and drinks using metal-enhanced fluorescence. Biosensors and Bioelectronics, 2014, 57, 125-132.	5.3	35
47	Optical properties of molecular conductors: One-dimensional systems with twofold-commensurate charge-density waves. Physical Review B, 1987, 36, 7795-7804.	1.1	32
48	Experimental study of the role of intramolecular vibrations in the Peierls transition of organic conductors. Journal of Physics C: Solid State Physics, 1980, 13, 6205-6218.	1.5	31
49	Infrared study of electronâ€molecular vibration interactions and phase transitions in the organic conductors (TMTTF)2X (X = BFâ‚‚4, ClOâ‚‚4, and PFâ‚‚6) and TMTTFâ€bromanil. Journal of Chemical Physics, 1982, 76, 5785-5795.	1.2	31
50	Boosting carbon quantum dots/fullerene electron transfer via surface group engineering. Physical Chemistry Chemical Physics, 2016, 18, 31286-31295.	1.3	31
51			

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55	Optical Limiting Devices Based on C60 Derivatives in Sol-Gel Hybrid Organic-Inorganic Materials. Journal of Sol-Gel Science and Technology, 2000, 19, 263-266.	1.1	29
56	One- and Two-Photon Absorption and Emission Properties of a Zn(II) Chemosensor. Journal of Physical Chemistry A, 2006, 110, 6459-6464.	1.1	29
57	Photocatalytic Performance of Hybrid SiO₂â˜TiO₂ Films. Journal of Physical Chemistry C, 2010, 114, 7646-7652.	1.5	29
58	Sol-gel materials embedding fullerene derivatives for optical limiting. Synthetic Metals, 1997, 86, 2353-2354.	2.1	28
59	Two-photon absorption of Zn(ii) octupolar molecules. Physical Chemistry Chemical Physics, 2007, 9, 2999.	1.3	28
60	Enhancing the efficiency of two-photon absorption by metal coordination. Physical Chemistry Chemical Physics, 2009, 11, 9450.	1.3	28
61	Magnetic properties of an organic Mott insulator. Separate donor and acceptor phase transitions in hexamethylenetetrathiafulvalene tetrafluorotetracyano-quinodimethane (HMTTF-TCNQF4). Physical Review B, 1982, 26, 2267-2270.	1.1	27
62	Heterocycle-based materials for frequency-upconverted lasing. Synthetic Metals, 2001, 121, 1755-1756.	2.1	27
63	Nonâ€Resonant zâ€Scan Characterization of the Thirdâ€Order Nonlinear Optical Properties of Conjugated Poly(thiophene azines). ChemPhysChem, 2008, 9, 2028-2034.	1.0	27
64	Femtosecond nonlinear absorption of gold nanoshells at surface plasmon resonance. Physical Chemistry Chemical Physics, 2010, 12, 13692.	1.3	27
65	Multipolar symmetric squaraines with large two-photon absorption cross-sections in the NIR region. Physical Chemistry Chemical Physics, 2011, 13, 12087.	1.3	26
66	Correlation between infrared spectra and magnetic and optical properties of potassium chloranil. Effects of phase transition and solvation processes. Chemical Physics, 1977, 21, 257-263.	0.9	25
67	Anomalous properties of new organic conductors: Comparison of bromanil, chloranil, and tetracyanoquinodimethane (TCNQ) salts of tetramethyltetrathiafulvalene (TMTTF). Solid State Communications, 1981, 38, 1165-1169.	0.9	24
68	Intramolecular phase phonon absorptions as probes of the donor and acceptor chain contributions to the phase transitions of TTF-TCNQ. Solid State Communications, 1981, 37, 193-197.	0.9	24
69	Synthesis, chiroptical properties and photoinduced linear birefringence of the homopolymer of (R)-3-methacryloyloxy-1-(4â€²-cyano-4-azobenzene)pyrrolidine and of the copolymers with the enantiomeric monomer. European Polymer Journal, 2005, 41, 2045-2054.	2.6	24
70	Large two photon absorption cross section of asymmetric Zn(II) porphyrin complexes substituted in the meso or Î² pyrrolic position by â€“CCâ€“C6H4X moieties (X=NMe2, NO2). Chemical Physics Letters, 2008, 454, 70-74.	1.2	24
71	Bridging Energetics and Dynamics of Exciton Trapping in Coreâ€“Shell Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 896-902.	1.5	24
72	Molecular Vibration Studies of Quasi-One-Dimensional Organic Charge-Transfer Compounds. , 1980, , 165-186.		24

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73	Synthesis, chiroptical properties and photoinduced birefringence of optically active methacrylic copolymers bearing side-chain bisazoaromatic moieties. European Polymer Journal, 2007, 43, 3550-3561.	2.6	23
74	Structure of tetraethylammoniumâ€“2,3-dichloro-5,6-dicyano-p-benzoquinone. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1982, 38, 1225-1229.	0.4	22
75	Design and synthesis of heterocyclic multi-branched dyes for two-photon absorption. Synthetic Metals, 2003, 139, 795-797.	2.1	22
76	Dimers of Quadrupolar Chromophores in Solution: Electrostatic Interactions and Optical Spectra. Journal of Physical Chemistry B, 2010, 114, 882-893.	1.2	22
77	Two-photon absorption properties of Zn(II) complexes: Unexpected large TPA cross section of dipolar [ZnY2(4,4â€²-bis(para-di-n-butylaminostyryl)-2,2â€²-bipyridine)] (Y=Cl, CF3CO2). Chemical Physics Letters, 2009, 475, 245-249.	1.2	21
78	Infrared and Raman Study of the Anion-Donor Interactions in Tetrahedral Anion (TMTSF)₂ X and (Tmttf)₂ X Salts. Molecular Crystals and Liquid Crystals, 1985, 119, 211-220.	0.9	20
79	Resonance Raman scattering of a Peierlsâ€“Hubbard dimer. Journal of Chemical Physics, 1989, 91, 13-19.	1.2	20
80	Reversible chirality inversion of photochromic methacrylic polymers upon irradiation with one-handed circularly polarized light. Synthetic Metals, 2003, 138, 375-379.	2.1	19
81	Growth and optical properties of silver nanostructures obtained on connected anodic aluminum oxide templates. Nanotechnology, 2012, 23, 325604.	1.3	19
82	Amplified spontaneous emission from opal photonic crystals engineered with structural defects. Physical Chemistry Chemical Physics, 2009, 11, 11515.	1.3	18
83	Facile production of up-converted quantum dot lasers. Nanoscale, 2011, 3, 4109.	2.8	18
84	Wavelength dispersion of the local field intensity in silverâ€“gold nanocages. Physical Chemistry Chemical Physics, 2015, 17, 7355-7365.	1.3	18
85	Hybrid Organic/Inorganic Perovskiteâ€“Polymer Nanocomposites: Toward the Enhancement of Structural and Electrical Properties. Journal of Physical Chemistry Letters, 2017, 8, 5981-5986.	2.1	18
86	Shortened single-walled nanotubes functionalized with poly(ethylene glycol): preparation and properties. Arkivoc, 2004, 2003, 64-73.	0.3	18
87	Electronic and structural characterization of a charge transfer crystal with strong electronic correlations through infrared and Raman spectroscopy: TMPDâ€“TCNQF4. Journal of Chemical Physics, 1988, 89, 2704-2711.	1.2	17
88	CdSe Coreâ^'Shell Nanoparticles as Active Materials for Up-Converted Emission. Journal of Physical Chemistry C, 2011, 115, 3840-3846.	1.5	16
89	Design, fabrication and characterization of plasmonic gratings for SERS. Microelectronic Engineering, 2011, 88, 2717-2720.	1.1	16
90	Infrared properties of a 2-D organic conductor: Î±-(BEDT-TTF)2I3 in its high and low temperature phases. Synthetic Metals, 1987, 19, 143-149.	2.1	15

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91	Polyphosphazenes as biomaterials: surface modification of poly(bis(trifluoroethoxy)phosphazene) with polyethylene glycols. Biomaterials, 1993, 14, 430-436.	5.7	15
92	Microlasers based on effective index confined slow light modes in photonic crystal waveguides. Optics Express, 2008, 16, 6331.	1.7	15
93	mCerulean3-Based Cameleon Sensor to Explore Mitochondrial Ca2+ Dynamics InÂVivo. IScience, 2019, 16, 340-355.	1.9	15
94	Validation of SERS enhancement factor measurements. Journal of Raman Spectroscopy, 2018, 49, 462-471.	1.2	15
95	Dimerization, vibronic structures, and optical gaps in the (TMTTF)2X and (TMTSF)2X salts. Synthetic Metals, 1987, 19, 309-316.	2.1	14
96	Electron-Phonon Coupling in Low Dimensional Organic Superconductors. Molecular Crystals and Liquid Crystals, 1993, 234, 161-170.	0.3	14
97	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 22, 245-253.	1.1	14
98	Synthesis of novel fullerene-functionalized polysulfones for optical limiting applications. Reactive and Functional Polymers, 2011, 71, 641-647.	2.0	14
99	Molecular cluster models for the analysis of the optical spectra of organic charge transfer crystals: Properties and applications. Synthetic Metals, 1988, 27, 109-114.	2.1	13
100	Photophysics and Dynamics of Surface Plasmon Polaritons-Mediated Energy Transfer in the Presence of an Applied Electric Field. Journal of the American Chemical Society, 2012, 134, 10061-10070.	6.6	13
101	Engineering interactions in QDsâ€“PCBM blends: a surface chemistry approach. Nanoscale, 2018, 10, 11913-11922.	2.8	13
102	Electron-phonon coupling in Îº-(bedt-ttf)2cu(ncs)2 organic superconductor studied by raman scattering spectroscopy. Synthetic Metals, 1999, 103, 2220-2223.	2.1	12
103	Gold nanoparticles in a polycarbonate matrix for optical limiting against a CW laser. Laser Physics, 2014, 24, 105901.	0.6	12
104	Optical limiting of multilayer sol-gel structures containing fullerenes. Synthetic Metals, 1999, 103, 2474-2475.	2.1	10
105	Excited state absorption of fullerenes measured by the photoacoustic calorimetry techniqueDedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. Photochemical and Photobiological Sciences, 2003, 2, 801.	1.6	10
106	A fullereneâ€“distyrylbenzene photosensitizer for two-photon promoted singlet oxygen production. Physical Chemistry Chemical Physics, 2010, 12, 4656.	1.3	10
107	Electronic, Structural and Magnetic Properties of (TTF)₆(NEt₄)[PMo₁₂ O₄₀]: A Mixed-Valence TTF Salt With a Magnetic Polyoxometallate. Molecular Crystals and Liquid Crystals, 1993, 234, 205-212.	0.3	9
108	A three steps procedure (swellingâ€“polingâ€“deswelling) to produce a stable alignment of second order NLO-phores covalently attached to a cross-linked polymeric network. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 293-297.	1.7	9

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109	Optical studies of the interplay between electron-lattice and electron-electron interactions in organic molecular conductors. Synthetic Metals, 1988, 27, 129-136.	2.1	8
110	Optical Limiting of Fullerene Derivatives Embedded in Sol-Gel Materials. , 1996, , 159-174.		8
111	Characterization of TCNQF4 charge transfer complexes through vibrational and vibronic studies. Synthetic Metals, 1987, 19, 451-456.	2.1	7
112	Preparation and characterization of fullerences containing sol-gel glass. Journal of Sol-Gel Science and Technology, 1997, 8, 609-613.	1.1	7
113	Fullerene functionalized gold nanoparticles for optical limiting of continuous wave lasers. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	7
114	Multiresonance CARS spectra and excitation profiles of dye molecules in liquid solutions: 1,4-dihydroxy-anthraquinone in chloroform. Chemical Physics Letters, 1990, 175, 156-162.	1.2	6
115	‹title›Fullerene derivatives embedded in sol-gel materials for optical limiting‹/title›. , 1996, 2854, 130.		6
116	Raman spectrum of the potassium salt of chloranil (2,3,5,6-tetrachloro-p-benzoquinone) radical anion. Journal of the Chemical Society Chemical Communications, 1974, , 87.	2.0	5
117	Sol-gel processing of nanocrystalline haematite thin films. Journal of Materials Research, 1997, 12, 1441-1444.	1.2	5
118	Raman spectroscopy of low frequency phonons in the organic superconductor Î²-(BEDT-TTF)2Cu[N(CN)2]Br. Synthetic Metals, 1997, 85, 1509-1510.	2.1	5
119	Novel hybrid organic-inorganic sol-gel materials based on highly efficient heterocyclic push-pull chromophores. , 1999, 3803, 18.		5
120	Î³(glicydoxypropyl)-trymethoxysilane-based matrices tailored for optical limiting applications. , 1999, , .		5
121	Optical Limiting Applications. Developments in Fullerence Science, 2002, , 295-326.	0.5	5
122	In Silico Stark Effect: Determination of Excited-State Polarizabilities of Squaraine Dyes. Journal of Physical Chemistry A, 2017, 121, 1587-1596.	1.1	5
123	The central role of ligands in electron transfer from perovskite nanocrystals. MRS Advances, 2017, 2, 2327-2335.	0.5	5
124	Coupling of Electrons To Low-Frequency Phonons in Cation Radical Salts of TTF Studied by Resonance Raman Scattering. Molecular Crystals and Liquid Crystals, 1993, 234, 219-226.	0.3	4
125	Optical limiting based on multiphoton processes in carbon nanostructures and heterocyclic quadrupolar molecules. , 2003, , .		4
126	Nonlinear Infrared and Optical Responses of a Holsteinâ^'Peirlsâ^'Hubbard Dimer. Journal of Physical Chemistry B, 2005, 109, 19082-19089.	1.2	4

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127	Gold nanoparticles as optical limiting materials against cw lasers. , 2013, , .		4
128	EXCITED STATE POPULATION EFFECTS ON COHERENT RAMAN SPECTROSCOPY. , 1983, , 335-344.		4
129	Selective Resonance Raman Scattering of Peierls-Hubbard (TTF⁺)₂Dimers in (TTF)₂Mo₆O₁₉and (TTF)₂W₆O₁₉Salts. Acta Physica Polonica A, 1993, 83, 431-440.	0.2	4
130	General Trends for Obtaining Conducting TCNQ Langmuir-Blodgett Films. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 187, 327-334.	0.3	3
131	Anomalous Vibronic Effects in the Infrared Spectra of the Organic Conductor Cu(DM-DCNQI)₂ and Its Deuterated Analog. Molecular Crystals and Liquid Crystals, 1993, 234, 227-234.	0.3	3
132	Effects of the mixing of charge transfer and molecular excitations on the resonance Raman properties of symmetric radical dimers. Chemical Physics Letters, 1996, 263, 331-337.	1.2	3
133	Non-linear optical transmission of soluble fullerenes and nanotubes, and of TMTTF. Synthetic Metals, 2003, 137, 1495-1496.	2.1	3
134	Photoresponsive polymers containing side-chain chiral azocarbazole chromophores as multifunctional materials. , 2007, , .		3
135	Pushâ€“Pull Organic Chromophores for Frequency-Upconverted Lasing. , 2000, 12, 1963.		3
136	Electron-electron interactions and 4kF localization in the Bechgaard salts and their sulfur analogs: A spectroscopic outlook. Synthetic Metals, 1991, 42, 1653-1656.	2.1	2
137	Resonance Raman scattering of Peierls Hubbard systems. Synthetic Metals, 1991, 42, 1899-1902.	2.1	2
138	Photopolymerization of hybrid organic/inorganic materials based on nanostructured units for photonic applications. , 2007, 6645, 397.		2
139	One- and two-photon pumped soft lithographed DFB laser systems based on semiconductor core-shell quantum dots. , 2010, , .		2
140	Holsteinâ€“Peirlsâ€“Hubbard trimer as a model for quadrupolar two-photon absorbing dyes. Physical Chemistry Chemical Physics, 2011, 13, 230-239.	1.3	2
141	Optical Studies of the Interplay Between Electron-Lattice and Electron-Electron Interactions in Organic Conductors and Superconductors. NATO ASI Series Series B: Physics, 1990, , 129-142.	0.2	2
142	Molecular and Material Engineering for Optical Limiting with Fullerene Based Sol-Gel Materials. , 2000, , 83-98.		2
143	INFRARED STUDIES OF PHASE TRANSITIONS IN SINGLE- AND TWO-CHAIN ORGANIC CHARGE TRANSFER CONDUCTORS. Journal De Physique Colloque, 1983, 44, C3-1453-C3-1456.	0.2	2
144	Resonance CARS of conjugated molecules in condensed phase. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1992, 14, 1015-1022.	0.4	1

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145	Embedding Fullerenes in Thin Sol-Gel Films. Materials Research Society Symposia Proceedings, 1994, 359, 351.	0.1	1
146	Coupling of charge-transfer transitions to low-wavenumber phonons in quasi-one-dimensional radical ion salts: resonance Raman study of tetraethylammonium-DDQ. Journal of Raman Spectroscopy, 1998, 29, 907-913.	1.2	1
147	Laser damage of glycidoxypropyltrimethoxysilane based hybrid materials. Journal of Non-Crystalline Solids, 2008, 354, 3317-3325.	1.5	1
148	Photonic devices based on patterning by two photon induced polymerization techniques. Proceedings of SPIE, 2008, , .	0.8	1
149	Second Order Nonlinear Optical Properties of Multifunctional Chiral Azobenzene Polymers. E-Polymers, 2008, 8, .	1.3	1
150	One- and two-photon absorption and emission properties of heteroaromatic bichromophores. , 2008, , .		1
151	Exciton and multi-exciton dynamics in CdSe/Cd_{1-x}Zn_xS quantum dots. Proceedings of SPIE, 2016, , .	0.8	1
152	Effects of surface and interface traps on exciton and multi-exciton dynamics in core/shell quantum dots. , 2017, , .		1
153	Structural Properties of Molecular Charge-Transfer Conductors and Semiconductors from Infrared and Raman Spectroscopy. NATO ASI Series Series B: Physics, 1990, , 23-41.	0.2	1
154	Intramolecular vibrations and vibronic effects in 1-D conductors derived from TTF. , 1979, , 215-222.		0
155	Dimerization, vibronic structures and optical gaps in the bechgaard salts. Synthetic Metals, 1987, 19, 996.	2.1	0
156	Phase state of 2-D organic conductor triiodide bis(methylenedithio)tetrathiafulvalene (MT2I3): Optical investigation. Synthetic Metals, 1991, 42, 2181-2186.	2.1	0
157	Multiresonance FWM as a probe of spectral broadening mechanisms: influence of excited state dynamics on resonance CARS processes. Journal of Luminescence, 1992, 53, 537-540.	1.5	0
158	<title>Resonance Raman scattering of Peierls-Hubbard dimers in tetrathiofulvalene (TTF) salts</title>. , 1994, , .		0
159	Optical limiting materials based on fullerene derivatives. , 1999, , .		0
160	Novel Heteroaromatic-Based Multi-Branched Dyes with Enhanced Two-Photon Absorption Activity. ChemInform, 2003, 34, no.	0.1	0
161	Strong Enhancement of the Two Photon Absorption Cross Section of Porphyrin J-Aggregates in water. Materials Research Society Symposia Proceedings, 2004, 846, DD2.7.1.	0.1	0
162	Synthesis of 3-glycidoxypropyltrimethoxysilane-TiO 2 UV-sensitive waveguides. , 2006, , .		0

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163	New sol-gel materials for high energy applications in nonlinear optics. Proceedings of SPIE, 2007, , .	0.8	0
164	Electron-intramolecular vibration coupling in TTF-TCNQ systems. International Journal of Quantum Chemistry, 1977, 12, 583-594.	1.0	0
165	Multiphoton absorption in polydiacetylenes adsorbed on metal nanostructures. Proceedings of SPIE, 2010, , .	0.8	0
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