Etienne Goovaerts

List of Publications by Year
in descending order

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160 papers	4,713 citations	147801 31 h-index	114465 63 g-index
161 all docs	161 docs citations	161 times ranked	5428 citing authors

#	Article	IF	Citations
1	Efficient Isolation and Solubilization of Pristine Single-Walled Nanotubes in Bile Salt Micelles. Advanced Functional Materials, 2004, 14, 1105-1112.	14.9	465
2	Electrical spin injection in a ferromagnet/tunnel barrier/semiconductor heterostructure. Applied Physics Letters, 2002, 81, 265-267.	3.3	292
3	Effect of temperature on the morphological and photovoltaic stability of bulk heterojunction polymer:fullerene solar cells. Solar Energy Materials and Solar Cells, 2008, 92, 753-760.	6.2	261
4	Temperature variation of the ESR parameters of the self-trapped-electron center inPbCl2. Physical Review B, 1995, 52, 12-15.	3.2	230
5	Low Band Gap Donorâ"Acceptor Conjugated Polymers toward Organic Solar Cells Applications. Macromolecules, 2007, 40, 65-72.	4.8	217
6	Experimental Observation of Single-File Water Filling of Thin Single-Wall Carbon Nanotubes Down to Chiral Index (5,3). Physical Review Letters, 2010, 104, 207401.	7.8	183
7	Highly Dipolar, Optically Nonlinear Adducts of Tetracyano-p-quinodimethane:Â Synthesis, Physical Characterization, and Theoretical Aspects. Journal of the American Chemical Society, 1997, 119, 3144-3154.	13.7	126
8	Nanodiamond Photoemitters Based on Strong Narrowâ€Band Luminescence from Siliconâ€Vacancy Defects. Advanced Materials, 2009, 21, 808-812.	21.0	122
9	Nitric Oxide Binding Properties of Neuroglobin. Journal of Biological Chemistry, 2003, 278, 4919-4925.	3.4	113
10	Hybrid Diamondâ€Graphite Nanowires Produced by Microwave Plasma Chemical Vapor Deposition. Advanced Materials, 2007, 19, 4058-4062.	21.0	107
11	Antiviral and Antioxidant Activity of Flavonoids and Proanthocyanidins from Crataegus sinaica. Planta Medica, 2002, 68, 539-541.	1.3	102
12	Electron-spin-resonance study of Tl atom defects in KCl and relativistic many-body analysis of the hyperfine structure. Physical Review B, 1981, 24, 29-50.	3.2	97
13	Highly sensitive setup for tunable wavelength hyper-Rayleigh scattering with parallel detection and calibration data for various solvents. Optics Express, 2009, 17, 4587.	3.4	83
14	Multifrequency EPR analysis of the positive polaron in I2-doped poly(3-hexylthiophene) and in poly[2-methoxy-5-(3,7-dimethyloctyloxy)]-1,4-phenylenevinylene. Physical Chemistry Chemical Physics, 2008, 10, 7129.	2.8	72
15	Effect of Water Filling on the Electronic and Vibrational Resonances of Carbon Nanotubes: Characterizing Tube Opening by Raman Spectroscopy. Advanced Materials, 2007, 19, 2274-2278.	21.0	71
16	Direct observation of electron self-trapping inPbCl2crystals. Physical Review B, 1993, 48, 9575-9580.	3.2	70
17	First Hyperpolarizability Dispersion of the Octupolar Molecule Crystal Violet: Multiple Resonances and Vibrational and Solvation Effects. Journal of the American Chemical Society, 2010, 132, 16467-16478.	13.7	64
18	Accurate Determination and Modeling of the Dispersion of the First Hyperpolarizability of an Efficient Zwitterionic Nonlinear Optical Chromophore by Tunable Wavelength Hyper-Rayleigh Scattering. Journal of Physical Chemistry C, 2008, 112, 287-296.	3.1	63

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19	Electroluminescence from bipolar resonant tunneling diodes. Applied Physics Letters, 1992, 60, 77-79.	3.3	58
20	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. Journal of Physical Chemistry B, 2001, 105, 2658-2663.	2.6	58
21	Hyper-Rayleigh scattering study of Î·5-monocyclopentadienylâ€“metal complexes for second order non-linear optical materials. Journal of Materials Chemistry, 1998, 8, 925-930.	6.7	56
22	Synthesis and Nonlinear Optical Properties of Î·5-Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe(Î·5-C5H5)(DPPE)(p-Câ‹®CC6H4NO2)] and [Fe(Î·5-C5H5)(DPPE)((E)-p-Câ‹®CC6H4C(H)C(H)C6H4NO2)]. Organometallics, 2002, 21, 2107-2118.	2.3	56
23	Electron trapping inPbCl2:Tlcrystals: The heteronuclear(PbTl)2+center. Physical Review B, 1998, 57, 1-5.	3.2	48
24	Vibrational properties of nitrogen-doped ultrananocrystalline diamond films grown by microwave plasma CVD. Diamond and Related Materials, 2007, 16, 2074-2077.	3.9	46
25	Design and characterization of organic and organometallic molecules for second order nonlinear optics. , 2001, , 127-191.		42
26	Organometallic complexes for second-order non-linear optics: synthesis and molecular quadratic hyperpolarizabilities of Î·5-monocyclopentadienyliron(II) nitrile derivatives with different phosphines. X-ray crystal structure of [FeCp(DPPE)(p-NCC6H4NO2)][PF6]Â·CH2Cl2. Journal of Organometallic Chemistry, 2001, 619, 252-264.	1.8	40
27	Highly Efficient Room Temperature Spin Injection in a Metal-Insulator-Semiconductor Light-Emitting Diode. Japanese Journal of Applied Physics, 2003, 42, L502-L504.	1.5	40
28	Electron-spin resonance of a complexPb+(6p1)defect in alkali halides. Physical Review B, 1983, 28, 3712-3717.	3.2	37
29	Single-ion and molecular contributions to the zero-field splitting in an iron(III)-oxo dimer studied by single crystal W-band EPR. Journal of Magnetic Resonance, 2006, 179, 29-37.	2.1	33
30	Dephasing times of the vibrons in Î±-N2and in Î±-(15N2)x(14N2)1â^'xmixed crystals. Physical Review B, 1990, 42, 5953-5958.	3.2	32
31	Behavior-type method for polarized Raman spectra of defects in cubic crystals. Physical Review B, 1984, 29, 5509-5532.	3.2	31
32	Synthesis and Properties of Zwitterionic Nonlinear Optical Chromophores with Large Hyperpolarizability for Poled Polymer Applications. Chemistry of Materials, 2006, 18, 1079-1084.	6.7	31
33	Electronâ€Spinâ€Resonance Study of Co²⁺ and Ni⁺ Centers in AgCl(Cu, Co, Ni). Physica Status Solidi (B): Basic Research, 1985, 132, 179-187.	1.5	29
34	EPR-spectroscopic evidence of a dominant Hisâ€“FeIIIâ€“His coordination in ferric neuroglobin. Chemical Physics Letters, 2002, 361, 355-361.	2.6	28
35	ESR results on the laser-active TlÂ°(1) centers in RbCl and KBr. Physical Review B, 1983, 27, 5797-5799.	3.2	24
36	Electronâ€Spinâ€Resonance Study of Pb⁺(I) Centers of the Laserâ€Active Structure in KCl and	1.5	24

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37	Fourth-order zero-field splitting parameters of [Mn(cyclam)Br2]Br determined by single-crystal W-band EPR. Applied Magnetic Resonance, 2001, 21, 587-596.	1.2	24
38	High first hyperpolarizability and perfectly aligned crystal packing for an organometallic compound [Fe(Î·5-C5H5)((R)â€“PROPHOS)(p-NCC6H4NO2)][PF6]Â·CH2Cl2. Chemical Physics Letters, 2003, 367, 390-397.	2.6	24
39	Raman spectroscopy of cryosolutions: the van der Waals complex of dimethyl ether with fluoroform. Physical Chemistry Chemical Physics, 2004, 6, 358.	2.8	24
40	Sensing the framework state and guest molecules in MIL-53(Al) via the electron paramagnetic resonance spectrum of V^{IV} dopant ions. Physical Chemistry Chemical Physics, 2017, 19, 24545-24554.	2.8	24
41	Compromise between conjugation length and charge-transfer in nonlinear optical Î·5-monocyclopentadienyliron(II) complexes with substituted oligo-thiophene nitrile ligands: Synthesis, electrochemical studies and first hyperpolarizabilities. Journal of Organometallic Chemistry, 2007, 692, 3027-3041.	1.8	23
42	Understanding Triplet Formation Pathways in Bulk Heterojunction Polymer:Fullerene Photovoltaic Devices. Advanced Energy Materials, 2015, 5, 1401109.	19.5	23
43	Electron-spin-resonance study ofSn+(5p1) centers of the laser-active-type structure in KCl:Sn2+and analysis of the hyperfine structure. Physical Review B, 1985, 31, 5687-5693.	3.2	22
44	Relaxation Times ofk=0Rotons in Pure Parahydrogen Crystals and Roton Scattering by Orthohydrogen Impurities. Physical Review Letters, 1986, 57, 479-482.	7.8	21
45	Roton relaxation in parahydrogen crystals measured by time-resolved stimulated Raman gain. Physical Review A, 1988, 37, 4769-4777.	2.5	21
46	Sarcophagine Ni(II) diperchlorate: synthesis, crystallographic structure, magnetism and high-field EPR. Journal of Molecular Structure, 2001, 559, 107-118.	3.6	21
47	Functionalized Picolinium Quinodimethane Chromophores for Electro-Optics: Synthesis, Aggregation Behavior, and Nonlinear Optical Properties. Chemistry of Materials, 2008, 20, 7465-7473.	6.7	21
48	Identification and analysis of theTl2+ESR spectrum in KCl:Tl+. Physical Review B, 1983, 27, 1507-1515.	3.2	20
49	Electron spin resonance of rhodium-vacancy complexes in solution-grown NaCl crystals. Journal of Applied Physics, 1998, 84, 428-432.	2.5	20
50	High-frequency electron paramagnetic resonance of the hole-trapped antisite bismuth center in photorefractive bismuth sillenite crystals. Physical Review B, 2009, 79, .	3.2	20
51	Endohedral Copper(II)acetylacetonate/Single-Walled Carbon Nanotube Hybrids Characterized by Electron Paramagnetic Resonance. Journal of Physical Chemistry C, 2009, 113, 13505-13514.	3.1	20
52	W-band transient EPR and photoinduced absorption on spin-labeled fullerene derivatives. Physical Chemistry Chemical Physics, 2011, 13, 3942.	2.8	20
53	Inelastic Light Scattering of the V_K Centers in the Alkali Halides. Physica Status Solidi (B): Basic Research, 1978, 88, 615-621.	1.5	19
54	Electron-spin-resonance study ofPbâ^'6p3in KC1: A possible Jahn-Teller system. Physical Review B, 1982, 25, 83-99.	3.2	19

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55	Multifrequency EPR Study of Carbonate- and Sulfate-Derived Radicals Produced by Radiation in Shells and Corallite. Radiation Research, 2001, 155, 619-624.	1.5	19
56	Synthesis and structural characterization of ruthenium(II) and iron(II) complexes containing 1,2-di-(2-thienyl)-ethene derived ligands as chromophores. Journal of Organometallic Chemistry, 2009, 694, 433-445.	1.8	18
57	Determination of the Metallic/Semiconducting Ratio in Bulk Single-Wall Carbon Nanotube Samples by Cobalt Porphyrin Probe Electron Paramagnetic Resonance Spectroscopy. ACS Nano, 2010, 4, 6717-6724.	14.6	18
58	ESR and Optical Absorption Study of the Tl⁰ (1) Center in NaCl. A Stable Laserâ€Active Type Defect. Physica Status Solidi (B): Basic Research, 1985, 130, 175-182.	1.5	17
59	Hyperfine behavior of the laser-active Tl0(1) center in alkali-halides. Solid State Communications, 1985, 55, 877-880.	1.9	17
60	Relaxation dynamics of ferromagnetic FePt thin films in a broad frequency range. Journal Physics D: Applied Physics, 2013, 46, 505001.	2.8	17
61	Resonant Raman scattering of the laser-activeTl0(1) center in alkali halides. Physical Review B, 1985, 32, 6748-6755.	3.2	16
62	Sequential hole tunneling inn-type AlAs/GaAs resonant-tunneling structures from time-resolved photoluminescence. Physical Review B, 1992, 46, 6982-6989.	3.2	16
63	Trapped hole Fe3+centres in layered CdCl2:Fe crystals. Journal of Physics Condensed Matter, 1994, 6, 2619-2630.	1.8	16
64	Organometallic nickel(II) complexes with substituted benzonitrile ligands. Synthesis, electrochemical studies and non-linear optical properties. The X-ray crystal structure of [Ni(Î·5-C5H5){P(C6H5)3}(NCC6H4NH2)][PF6]. Journal of Organometallic Chemistry, 1998, 553, 115-128.	1.8	16
65	Synthesis, Characterisation and Molecular Hyperpolarisabilities of Pseudo-Octahedral Hydrido(nitrile)iron(II) Complexes for Nonlinear Optics: X-ray Structure of [Fe(H)(dppe)2(4-NCC6H4NO2)][PF6]Â·CH2Cl2. European Journal of Inorganic Chemistry, 2006, 2006, 2175-2185.	2.0	16
66	Characterisation of Nanohybrids of Porphyrins with Metallic and Semiconducting Carbon Nanotubes by EPR and Optical Spectroscopy. ChemPhysChem, 2008, 9, 1930-1941.	2.1	16
67	Low bandgap polymers based on bay-annulated indigo for organic photovoltaics: Enhanced sustainability in material design and solar cell fabrication. Organic Electronics, 2017, 50, 264-272.	2.6	16
68	InterstitialTl0atoms in alkali halides: ESR study of a <111>-orientedTl2+center. Physical Review B, 1983, 28, 1219-1226.	3.2	15
69	Photoluminescence of the electron-dressed confinedXâ”exciton in ann-type AlAs/GaAs resonant tunneling device. Physical Review B, 1995, 52, 5907-5912.	3.2	15
70	Third order nonlinear optical polarisability induced by real electronic excitations in transition metal diimine and dithiolene complexes. Chemical Physics Letters, 1996, 254, 410-414.	2.6	15
71	Electronic structure of positive and negative polarons in functionalized dithienylthiazolo[5,4-d]thiazoles: a combined EPR and DFT study. Physical Chemistry Chemical Physics, 2014, 16, 10032.	2.8	15
72	The Interplay of Stability between Donor and Acceptor Materials in a Fullereneâ€Free Bulk Heterojunction Solar Cell Blend. Advanced Energy Materials, 2020, 10, 2002095.	19.5	15

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73	Polarized Raman study of phonon modes perturbed by the off-centerLi+impurity in KCl. Physical Review B, 1986, 34, 1273-1276.	3.2	14
74	Dephasing times of the stretching vibration in liquid N2 and of the vibrons in the Î± and Î² crystalline phases. Journal of Luminescence, 1990, 45, 423-425.	3.1	14
75	Suppression of vibron state formation in Arx(N2)1â^'x mixed crystals. Journal of Chemical Physics, 1991, 95, 2269-2274.	3.0	14
76	Optical detection of lightâ€•and heavyâ€hole resonant tunneling inpâ€type resonant tunneling structures. Applied Physics Letters, 1991, 59, 2139-2141.	3.3	14
77	Implementation of optically detected magnetic resonance spectroscopy in a commercialW-band cylindrical cavity. Review of Scientific Instruments, 2001, 72, 4295-4296.	1.3	14
78	Multifrequency electron paramagnetic resonance study on deproteinized human bone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 1206-1209.	3.9	14
79	Nitrogen-vacancy nanodiamond based local thermometry using frequency-jump modulation. Nanotechnology, 2020, 31, 105501.	2.6	14
80	Behavior-type analysis of the polarized Raman spectra of halogen-perturbed interstitial hydrogen atoms in alkali halides. Physical Review B, 1984, 29, 5533-5546.	3.2	13
81	Resonant Raman scattering and dynamics of theFA(Li+) modes in KCl. Physical Review B, 1987, 35, 2405-2412.	3.2	13
82	Charge transfer in the weak driving force limit in blends of MDMO-PPV and dithienylthiazolo[5,4-d]thiazoles towards organic photovoltaics with high VOC. Physical Chemistry Chemical Physics, 2012, 14, 15774.	2.8	13
83	Tunable stress induced magnetic domain configuration in FePt thin films. Journal Physics D: Applied Physics, 2015, 48, 405003.	2.8	13
84	Pseudospin Dynamics of the One-DimensionalS=12XY System PrCl3Studied by Electronic Raman Scattering. Physical Review Letters, 1984, 52, 1649-1652.	7.8	12
85	Electron-spin-resonance study ofPb23+dimer centers in NaCl:PbCl2. Physical Review B, 1987, 36, 1843-1852.	3.2	12
86	Quantitative evaluation of the preferential orientation ofpara-phenylene vinylene pentamers in polystyrene films by optically detected magnetic resonance. Applied Magnetic Resonance, 2007, 31, 343-355.	1.2	12
87	Designing Small Molecule Organic Solar Cells with High Openâ€Circuit Voltage. ChemistrySelect, 2017, 2, 1253-1261.	1.5	12
88	Disentangling overlapping high-field EPR spectra of organic radicals: Identification of light-induced polarons in the record fullerene-free solar cell blend PBDB-T:ITIC. Journal of Magnetic Resonance, 2018, 288, 1-10.	2.1	12
89	One-dimensional quantum rotator in solids: The para-ortho transition ofH2Sâ^'in KCl. Physical Review B, 1986, 33, 25-31.	3.2	11
90	Dephasing relaxation ofJ=2rotons in parahydrogen crystals doped with hydrogen-deuterium impurities. Physical Review B, 1989, 40, 6674-6679.	3.2	11

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91	Electron self-trapping and photolysis in Pbcl₂crystals. Radiation Effects and Defects in Solids, 1995, 136, 157-161.	1.2	11
92	Point defects in cubic boron nitride crystals. Diamond and Related Materials, 2001, 10, 1408-1411.	3.9	11
93	EPR characterization of Mn2+ impurity ions in PbWO4 single crystals. Radiation Measurements, 2004, 38, 655-658.	1.4	11
94	Photoinduced absorption study of carrier dynamics in Ru-doped Bi12SiO20 crystals after nanosecond laser pulse excitation. Journal of Applied Physics, 2010, 107, .	2.5	11
95	A photosensitive Cr3+ center in photorefractive Bi12SiO20 crystals co-doped with chromium and phosphorus. Journal of Applied Physics, 2011, 109, .	2.5	11
96	Molecular orientation of lead phthalocyanine on (100) oriented single crystal diamond surfaces. Physical Chemistry Chemical Physics, 2015, 17, 9619-9623.	2.8	11
97	Contrast Induced by a Static Magnetic Field for Improved Detection in Nanodiamond Fluorescence Microscopy. Physical Review Applied, 2016, 6, .	3.8	11
98	Spectroscopy on polymer-fullerene composites and photovoltaic cells. Synthetic Metals, 2001, 121, 1529-1532.	3.9	9
99	Temperature dependence of the electron paramagnetic resonance spectra of Mn2+ impurity ions in PbWO4 single crystals. Journal of Physics Condensed Matter, 2005, 17, 719-728.	1.8	9
100	EPR and ENDOR analysis of Fe3+ impurity centers in fluoroelpasolite lattices. Physical Chemistry Chemical Physics, 2007, 9, 5320.	2.8	9
101	Complexation properties of N-thiophosphorylated thiourea 2-PyNHC(S)NHP(S)(OiPr)2 towards NiII. Dalton Transactions, 2013, 42, 5252.	3.3	9
102	Structure and dynamics of theH0-taggedLi+center in KCl as studied by polarized Raman scattering. Physical Review B, 1985, 31, 6709-6715.	3.2	8
103	Evidence for the orientationally disordered cubic phase ofAr0.15(N2)0.85from librational and vibrational Raman scattering. Physical Review B, 1991, 44, 10369-10371.	3.2	8
104	Raman study of the librational states in Î±-Arx(N2)1âˆ'x mixed crystals. Journal of Luminescence, 1992, 53, 72-75.	3.1	8
105	Optically Detected Microwave Resonance at 95 GHz of Exciton States in InAs/GaAs Quantum Dots. Physica Status Solidi (B): Basic Research, 2001, 224, 551-554.	1.5	8
106	Multi-frequency EPR study of radiation-induced radicals in tooth enamel. Radiation Effects and Defects in Solids, 2002, 157, 1127-1131.	1.2	8
107	Multifrequency ESR Characterization of Paramagnetic Point Defects in Semiconducting Cubic BN Crystals. Applied Magnetic Resonance, 2010, 39, 87-101.	1.2	8
108	Light-Induced Charge Transfer in Two-Dimensional Hybrid Lead Halide Perovskites. Journal of Physical Chemistry C, 2021, 125, 18317-18327.	3.1	8

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109	The inelastic light scattering of the localized vibration of the interstitial hydrogen atom in the alkali halides. Physica Status Solidi A, 1980, 59, 597-606.	1.7	7
110	Resonant Raman scattering of the laser active TlÂ°(1) defect in KCl. Journal of Luminescence, 1984, 31-32, 317-319.	3.1	7
111	Site-switchedTl0atoms inTl+-doped NaCl and KCl. Physical Review B, 1986, 33, 1559-1566.	3.2	7
112	Dynamics and electronic properties of theTl+-perturbedTl0(1) center in KCl, KBr, and RbCl as probed by resonant Raman scattering. Physical Review B, 1987, 35, 8215-8222.	3.2	7
113	Gigahertz modulation of tunneling-based GaAs light emitters. IEEE Photonics Technology Letters, 1997, 9, 1463-1465.	2.5	7
114	Reanalysis and identification of an Rh2+ dimer center in NaCl by combined application of 9.5 and 95 GHz EPR. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3003-3007.	1.7	7
115	Synthesis and Optical Properties of Polystyrene Bearing Stilbenoid Side Chains. Macromolecules, 2004, 37, 5406-5414.	4.8	7
116	Electron paramagnetic resonance study of rare-earth related centres in K2YF5:Tb3+ thermoluminescence phosphors. Optical Materials, 2011, 33, 865-871.	3.6	7
117	Scattering-model calculation of the impurity-induced dephasing relaxation rates of the Raman-activeJ=2 rotons in solid parahydrogen. Physical Review B, 1988, 38, 1450-1455.	3.2	6
118	Study of strongly overlapping Rh2+ EPR spectra by high-resolution magnetic resonance techniques. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2993-2997.	1.7	6
119	ESR characterization of point defects in amber colored c-BN super abrasive powders. Physica Status Solidi A, 2004, 201, 2583-2590.	1.7	6
120	Electron-spin-resonance study ofTl0centers of the laser-active type structure inSrCl2. Physical Review B, 1990, 42, 7747-7753.	3.2	5
121	Bias dependence of the hole tunneling time in AlAs/GaAs resonant tunneling structures. , 1991, 1362, 291.		5
122	EPR detection of the presence and movement of anion vacancies in X-ray irradiated PbCl2 : Tl+ crystals. Solid State Communications, 1995, 96, 491-495.	1.9	5
123	A high-frequency light-induced electron spin resonance study of conjugated polymer/fullerene composites. Synthetic Metals, 2001, 124, 99-101.	3.9	5
124	High frequency ESR of native point defects in beryllium doped c-BN single crystals. Physica Status Solidi A, 2004, 201, 2591-2598.	1.7	5
125	Impact of the donor polymer on recombination via triplet excitons in a fullerene-free organic solar cell. Physical Chemistry Chemical Physics, 2019, 21, 22999-23008.	2.8	5
126	Electron-spin-resonance and optical study of theBi0(6p3) center in KCl. Physical Review B, 1990, 42, 3810-3817.	3.2	4

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127	Asymmetric line shapes and time-resolved measurements: Vibrons in Î±-Arx(N2)1â^'xmixed crystals. Physical Review B, 1993, 47, 14565-14567.	3.2	4
128	Fast optically induced switching in a bistable triple-barrier AlAs/GaAs resonant tunneling light-emitting diode. Superlattices and Microstructures, 1994, 16, 239-242.	3.1	4
129	EPR vs. temperature of Fe3+ions produced by radiolysis in CdCl2: Fe crystals. Radiation Effects and Defects in Solids, 1995, 136, 191-196.	1.2	4
130	Laser-Induced Transformation of 3H Defects in Diamond. Physica Status Solidi A, 2002, 193, 489-493.	1.7	4
131	Electrical Spin Injection in a Ferromagnetic Metal/Insulator/Semiconductor Tunnel Heterostructure. Journal of Superconductivity and Novel Magnetism, 2003, 16, 671-678.	0.5	4
132	Energy transfer in polystyrene containing pendant stilbene chromophores. Polymer International, 2003, 52, 1660-1663.	3.1	4
133	Elucidation by electron spin resonance and optical spectroscopy of the supersensitization mechanism in a red-sensitive AgCl-based photographic emulsion. Journal of Applied Physics, 2004, 96, 3187-3192.	2.5	4
134	Revealing the Cu2+ ions localization at low symmetry Bi sites in photorefractive Bi12GeO20 crystals doped with Cu and V by high frequency EPR. Journal of Magnetic Resonance, 2015, 259, 87-94.	2.1	4
135	Identification by ESR of Pb+-type centres in lead-doped SrCl2. Journal of Physics Condensed Matter, 1992, 4, 9259-9268.	1.8	3
136	Experimental evidence for charge state of 3H defect in diamond. Physica Status Solidi A, 2003, 199, 103-107.	1.7	3
137	Comparative study between electrical, optical and structural properties of annealed heavily carbon doped GaAs. Microelectronics Journal, 2004, 35, 875-880.	2.0	3
138	The solid-state organization of â€˜self-dopedâ€™ PPV oligomers. Physical Chemistry Chemical Physics, 2011, 13, 18516.	2.8	3
139	Raman scattering of pure, singly- and doubly perturbed interstitial hydrogen atom centers in alkali halides. Radiation Effects, 1983, 72, 81-87.	0.4	2
140	Tunneling of minority holes through a double-barrier resonant-tunneling structure under applied bias. Physica B: Condensed Matter, 1991, 175, 307-310.	2.7	2
141	Near field optical spectroscopy of resonant tunnelling light-emitters. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 51, 9-11.	3.5	2
142	Dynamical DX centre breakdown in submicrometre AlGaAs/GaAs structures. Semiconductor Science and Technology, 1999, 14, 81-84.	2.0	2
143	ESR of paramagnetic atom defects in CVD-grown diamond. Radiation Effects and Defects in Solids, 1999, 149, 303-307.	1.2	2
144	Time-resolved photoluminescence spectroscopy of tunnelling processes in a bipolar AlAs/GaAs resonant-tunnelling structure. Semiconductor Science and Technology, 2000, 15, 665-675.	2.0	2

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145	A 95 GHz ODMR study of AgCl nanocrystals embedded in crystalline KCl matrix. Radiation Effects and Defects in Solids, 2001, 156, 141-144.	1.2	2
146	The hyperfine interaction of thallium defects in KCl: TiCl crystals. Hyperfine Interactions, 1981, 10, 759-763.	0.5	1
147	Observation of absorption and subsequent luminescence from the relaxed excited state of Sn2+ in KI. Solid State Communications, 1988, 66, 1145-1148.	1.9	1
148	Gigahertz microcavity light emitters using resonant tunneling diodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 51, 72-75.	3.5	1
149	Paramagnetic defects in amber-colored superhard c-BN crystalline powders. High Pressure Research, 2006, 26, 111-117.	1.2	1
150	EPR Characterization of the Light-Induced Negative Polaron in a Functionalized Dithienylthiazolo[5,4-d]thiazole Acceptor for Organic Photovoltaics. Applied Magnetic Resonance, 2019, 50, 1253-1265.	1.2	1
151	Identification of vanadium dopant sites in the metalâ€“organic framework DUT-5(Al). Physical Chemistry Chemical Physics, 2021, 23, 7088-7100.	2.8	1
152	Exciton dynamics in GaAs/AlGaAs multiple quantum wells investigated by picosecond reflectivity and luminescence measurements. Journal of Luminescence, 1992, 53, 431-434.	3.1	0
153	Large electric-field-induced enhancement of resonant Raman scattering of a single quantum well. Superlattices and Microstructures, 1994, 15, 377-380.	3.1	0
154	Multifrequency ESR studies of paramagnetic point defects in cubic boron nitride crystals. Radiation Effects and Defects in Solids, 2001, 156, 191-194.	1.2	0
155	Systematic luminescence studies of polystyrene bearing stilbenoid side chains. Synthetic Metals, 2003, 135-136, 249-250.	3.9	0
156	Preface: phys. stat. sol. (a) 201/11. Physica Status Solidi A, 2004, 201, 2559-2559.	1.7	0
157	Optical Spectroscopy of Carrier Relaxation and Transport in III/V Semiconductor Tunneling Structures. , 2000, , 363-376.		0
158	Relaxation of Frenkel-Type Rotational and Vibrational Excitons in Diatomic Molecular Crystals. NATO ASI Series Series B: Physics, 1993, , 237-286.	0.2	0
159	Estimating oxidised Sn4+ species at the precursor stage: on the effect of reducing agents in Sn-based perovskites.. , 0, , .		0
160	(Invited) Optically Detected Magnetic Resonance of Triplet Excitons in Sorted (6,5) and (7,5) SWCNTs. ECS Meeting Abstracts, 2022, MA2022-01, 746-746.	0.0	0