

Etienne Goovaerts

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	(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
2	Identification of vanadium dopant sites in the metal-organic framework DUT-5(Al). Physical Chemistry Chemical Physics, 2021, 23, 7088-7100.	2.8	1
3	Light-Induced Charge Transfer in Two-Dimensional Hybrid Lead Halide Perovskites. Journal of Physical Chemistry C, 2021, 125, 18317-18327.	3.1	8
4	Nitrogen-vacancy nanodiamond based local thermometry using frequency-jump modulation. Nanotechnology, 2020, 31, 105501.	2.6	14
5	The Interplay of Stability between Donor and Acceptor Materials in a Fullerene-Free Bulk Heterojunction Solar Cell Blend. Advanced Energy Materials, 2020, 10, 2002095.	19.5	15
6	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
7	Impact of the donor polymer on recombination <i>via</i> triplet excitons in a fullerene-free organic solar cell. Physical Chemistry Chemical Physics, 2019, 21, 22999-23008.	2.8	5
8	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
9	Designing Small Molecule Organic Solar Cells with High Open-Circuit Voltage. ChemistrySelect, 2017, 2, 1253-1261.	1.5	12
10	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
11	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
12	Contrast Induced by a Static Magnetic Field for Improved Detection in Nanodiamond Fluorescence Microscopy. Physical Review Applied, 2016, 6, .	3.8	11
13	Tunable stress induced magnetic domain configuration in FePt thin films. Journal Physics D: Applied Physics, 2015, 48, 405003.	2.8	13
14	Molecular orientation of lead phthalocyanine on (100) oriented single crystal diamond surfaces. Physical Chemistry Chemical Physics, 2015, 17, 9619-9623.	2.8	11
15	Revealing the Cu ²⁺ ions localization at low symmetry Bi sites in photorefractive Bi ₁₂ GeO ₂₀ crystals doped with Cu and V by high frequency EPR. Journal of Magnetic Resonance, 2015, 259, 87-94.	2.1	4
16	Understanding Triplet Formation Pathways in Bulk Heterojunction Polymer:Fullerene Photovoltaic Devices. Advanced Energy Materials, 2015, 5, 1401109.	19.5	23
17	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
18	Relaxation dynamics of ferromagnetic FePt thin films in a broad frequency range. Journal Physics D: Applied Physics, 2013, 46, 505001.	2.8	17

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19	Complexation properties of N-thiophosphorylated thiourea 2-PyNHC(S)NHP(S)(OiPr) ₂ towards NiII. Dalton Transactions, 2013, 42, 5252.	3.3	9
20	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
21	A photosensitive Cr ³⁺ center in photorefractive Bi ₁₂ SiO ₂₀ crystals co-doped with chromium and phosphorus. Journal of Applied Physics, 2011, 109, .	2.5	11
22	W-band transient EPR and photoinduced absorption on spin-labeled fullerene derivatives. Physical Chemistry Chemical Physics, 2011, 13, 3942.	2.8	20
23	The solid-state organization of α -self-doped TM PPV oligomers. Physical Chemistry Chemical Physics, 2011, 13, 18516.	2.8	3
24	Electron paramagnetic resonance study of rare-earth related centres in K ₂ YF ₅ :Tb ³⁺ thermoluminescence phosphors. Optical Materials, 2011, 33, 865-871.	3.6	7
25	Multifrequency ESR Characterization of Paramagnetic Point Defects in Semiconducting Cubic BN Crystals. Applied Magnetic Resonance, 2010, 39, 87-101.	1.2	8
26	Photoinduced absorption study of carrier dynamics in Ru-doped Bi ₁₂ SiO ₂₀ crystals after nanosecond laser pulse excitation. Journal of Applied Physics, 2010, 107, .	2.5	11
27	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
28	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
29	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
30	Nanodiamond Photoemitters Based on Strong Narrow-Band Luminescence from Silicon Vacancy Defects. Advanced Materials, 2009, 21, 808-812.	21.0	122
31	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
32	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
33	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
34	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
35	Characterisation of Nanohybrids of Porphyrins with Metallic and Semiconducting Carbon Nanotubes by EPR and Optical Spectroscopy. ChemPhysChem, 2008, 9, 1930-1941.	2.1	16
36	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

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37	Multifrequency EPR analysis of the positive polaron in I ₂ -doped poly(3-hexylthiophene) and in poly[2-methoxy-5-(3,7-dimethyloctyloxy)]-1,4-phenylenevinylene. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 7129.	2.8	72
38	Accurate Determination and Modeling of the Dispersion of the First Hyperpolarizability of an Efficient Zwitterionic Nonlinear Optical Chromophore by Tunable Wavelength Hyper-Rayleigh Scattering. <i>Journal of Physical Chemistry C</i> , 2008, 112, 287-296.	3.1	63
39	Functionalized Picolinium Quinodimethane Chromophores for Electro-Optics: Synthesis, Aggregation Behavior, and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2008, 20, 7465-7473.	6.7	21
40	EPR and ENDOR analysis of Fe ³⁺ impurity centers in fluoroelpasolite lattices. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5320.	2.8	9
41	Low Band Gap Donor-acceptor Conjugated Polymers toward Organic Solar Cells Applications. <i>Macromolecules</i> , 2007, 40, 65-72.	4.8	217
42	Vibrational properties of nitrogen-doped ultrananocrystalline diamond films grown by microwave plasma CVD. <i>Diamond and Related Materials</i> , 2007, 16, 2074-2077.	3.9	46
43	Hybrid Diamond-graphite Nanowires Produced by Microwave Plasma Chemical Vapor Deposition. <i>Advanced Materials</i> , 2007, 19, 4058-4062.	21.0	107
44	Effect of Water Filling on the Electronic and Vibrational Resonances of Carbon Nanotubes: Characterizing Tube Opening by Raman Spectroscopy. <i>Advanced Materials</i> , 2007, 19, 2274-2278.	21.0	71
45	Compromise between conjugation length and charge-transfer in nonlinear optical λ -5-monocyclopentadienyliron(II) complexes with substituted oligo-thiophene nitrile ligands: Synthesis, electrochemical studies and first hyperpolarizabilities. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3027-3041.	1.8	23
46	Multifrequency electron paramagnetic resonance study on deproteinized human bone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1206-1209.	3.9	14
47	Quantitative evaluation of the preferential orientation of para-phenylene vinylene pentamers in polystyrene films by optically detected magnetic resonance. <i>Applied Magnetic Resonance</i> , 2007, 31, 343-355.	1.2	12
48	Synthesis and Properties of Zwitterionic Nonlinear Optical Chromophores with Large Hyperpolarizability for Poled Polymer Applications. <i>Chemistry of Materials</i> , 2006, 18, 1079-1084.	6.7	31
49	Paramagnetic defects in amber-colored superhard c-BN crystalline powders. <i>High Pressure Research</i> , 2006, 26, 111-117.	1.2	1
50	Single-ion and molecular contributions to the zero-field splitting in an iron(III)-oxo dimer studied by single crystal W-band EPR. <i>Journal of Magnetic Resonance</i> , 2006, 179, 29-37.	2.1	33
51	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-NCC ₆ H ₄ NO ₂)] [PF ₆] \cdot CH ₂ Cl ₂ . <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2175-2185.	2.0	16
52	Temperature dependence of the electron paramagnetic resonance spectra of Mn ²⁺ impurity ions in PbWO ₄ single crystals. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 719-728.	1.8	9
53	Elucidation by electron spin resonance and optical spectroscopy of the supersensitization mechanism in a red-sensitive AgCl-based photographic emulsion. <i>Journal of Applied Physics</i> , 2004, 96, 3187-3192.	2.5	4
54	ESR characterization of point defects in amber colored c-BN super abrasive powders. <i>Physica Status Solidi A</i> , 2004, 201, 2583-2590.	1.7	6

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55	High frequency ESR of native point defects in beryllium doped c-BN single crystals. <i>Physica Status Solidi A</i> , 2004, 201, 2591-2598.	1.7	5
56	Preface: phys. stat. sol. (a) 201/11. <i>Physica Status Solidi A</i> , 2004, 201, 2559-2559.	1.7	0
57	Efficient Isolation and Solubilization of Pristine Single-Walled Nanotubes in Bile Salt Micelles. <i>Advanced Functional Materials</i> , 2004, 14, 1105-1112.	14.9	465
58	Comparative study between electrical, optical and structural properties of annealed heavily carbon doped GaAs. <i>Microelectronics Journal</i> , 2004, 35, 875-880.	2.0	3
59	EPR characterization of Mn ²⁺ impurity ions in PbWO ₄ single crystals. <i>Radiation Measurements</i> , 2004, 38, 655-658.	1.4	11
60	Raman spectroscopy of cryosolutions: the van der Waals complex of dimethyl ether with fluoroform. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 358.	2.8	24
61	Synthesis and Optical Properties of Polystyrene Bearing Stilbenoid Side Chains. <i>Macromolecules</i> , 2004, 37, 5406-5414.	4.8	7
62	Electrical Spin Injection in a Ferromagnetic Metal/Insulator/Semiconductor Tunnel Heterostructure. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 671-678.	0.5	4
63	High first hyperpolarizability and perfectly aligned crystal packing for an organometallic compound [Fe(η -5-C ₅ H ₅)(R) π -PROPHOS)(p-NCC ₆ H ₄ NO ₂)] [PF ₆] \cdot CH ₂ Cl ₂ . <i>Chemical Physics Letters</i> , 2003, 367, 390-397.	2.6	24
64	Energy transfer in polystyrene containing pendant stilbene chromophores. <i>Polymer International</i> , 2003, 52, 1660-1663.	3.1	4
65	Experimental evidence for charge state of 3H defect in diamond. <i>Physica Status Solidi A</i> , 2003, 199, 103-107.	1.7	3
66	Systematic luminescence studies of polystyrene bearing stilbenoid side chains. <i>Synthetic Metals</i> , 2003, 135-136, 249-250.	3.9	0
67	Nitric Oxide Binding Properties of Neuroglobin. <i>Journal of Biological Chemistry</i> , 2003, 278, 4919-4925.	3.4	113
68	Highly Efficient Room Temperature Spin Injection in a Metal-Insulator-Semiconductor Light-Emitting Diode. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L502-L504.	1.5	40
69	Antiviral and Antioxidant Activity of Flavonoids and Proanthocyanidins from <i>Crataegus sinaica</i> . <i>Planta Medica</i> , 2002, 68, 539-541.	1.3	102
70	Electrical spin injection in a ferromagnet/tunnel barrier/semiconductor heterostructure. <i>Applied Physics Letters</i> , 2002, 81, 265-267.	3.3	292
71	Synthesis and Nonlinear Optical Properties of η -5-Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe(η -5-C ₅ H ₅)(DPPE)(p-C ₆ H ₄ NO ₂)] and [Fe(η -5-C ₅ H ₅)(DPPE)(E)-p-C ₆ H ₄ C(H)C(H)C ₆ H ₄ NO ₂)]. <i>Organometallics</i> , 2002, 21, 2107-2118.	2.3	56
72	Multi-frequency EPR study of radiation-induced radicals in tooth enamel. <i>Radiation Effects and Defects in Solids</i> , 2002, 157, 1127-1131.	1.2	8

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73	Laser-Induced Transformation of 3H Defects in Diamond. <i>Physica Status Solidi A</i> , 2002, 193, 489-493.	1.7	4
74	EPR-spectroscopic evidence of a dominant His ²⁺ coordination in ferric neuroglobin. <i>Chemical Physics Letters</i> , 2002, 361, 355-361.	2.6	28
75	Single-Crystal High-Frequency Electron Paramagnetic Resonance Investigation of a Tetranuclear Iron(III) Single-Molecule Magnet. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2658-2663.	2.6	58
76	Point defects in cubic boron nitride crystals. <i>Diamond and Related Materials</i> , 2001, 10, 1408-1411.	3.9	11
77	A 95 GHz ODMR study of AgCl nanocrystals embedded in crystalline KCl matrix. <i>Radiation Effects and Defects in Solids</i> , 2001, 156, 141-144.	1.2	2
78	Spectroscopy on polymer-fullerene composites and photovoltaic cells. <i>Synthetic Metals</i> , 2001, 121, 1529-1532.	3.9	9
79	A high-frequency light-induced electron spin resonance study of conjugated polymer/fullerene composites. <i>Synthetic Metals</i> , 2001, 124, 99-101.	3.9	5
80	Design and characterization of organic and organometallic molecules for second order nonlinear optics. , 2001, , 127-191.		42
81	Fourth-order zero-field splitting parameters of [Mn(cyclam)Br ₂]Br determined by single-crystal W-band EPR. <i>Applied Magnetic Resonance</i> , 2001, 21, 587-596.	1.2	24
82	Sarcophagine Ni(II) diperchlorate: synthesis, crystallographic structure, magnetism and high-field EPR. <i>Journal of Molecular Structure</i> , 2001, 559, 107-118.	3.6	21
83	Organometallic complexes for second-order non-linear optics: synthesis and molecular quadratic hyperpolarizabilities of 1-5-monocyclopentadienyliron(II) nitrile derivatives with different phosphines. X-ray crystal structure of [FeCp(DPPE)(p-NCC6H4NO ₂)] [PF ₆] ⁻ ·CH ₂ Cl ₂ . <i>Journal of Organometallic Chemistry</i> , 2001, 619, 252-264.	1.8	40
84	Optically Detected Microwave Resonance at 95 GHz of Exciton States in InAs/GaAs Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 551-554.	1.5	8
85	Implementation of optically detected magnetic resonance spectroscopy in a commercial W-band cylindrical cavity. <i>Review of Scientific Instruments</i> , 2001, 72, 4295-4296.	1.3	14
86	Multifrequency EPR Study of Carbonate- and Sulfate-Derived Radicals Produced by Radiation in Shells and Corallite. <i>Radiation Research</i> , 2001, 155, 619-624.	1.5	19
87	Multifrequency ESR studies of paramagnetic point defects in cubic boron nitride crystals. <i>Radiation Effects and Defects in Solids</i> , 2001, 156, 191-194.	1.2	0
88	Time-resolved photoluminescence spectroscopy of tunnelling processes in a bipolar AlAs/GaAs resonant-tunnelling structure. <i>Semiconductor Science and Technology</i> , 2000, 15, 665-675.	2.0	2
89	Optical Spectroscopy of Carrier Relaxation and Transport in III/V Semiconductor Tunneling Structures. , 2000, , 363-376.		0
90	Dynamical DX centre breakdown in submicrometre AlGaAs/GaAs structures. <i>Semiconductor Science and Technology</i> , 1999, 14, 81-84.	2.0	2

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91	ESR of paramagnetic atom defects in CVD-grown diamond. Radiation Effects and Defects in Solids, 1999, 149, 303-307.	1.2	2
92	Organometallic nickel(II) complexes with substituted benzonitrile ligands. Synthesis, electrochemical studies and non-linear optical properties. The X-ray crystal structure of [Ni(η^5 -C ₅ H ₅){P(C ₆ H ₅) ₃ }(NCC ₆ H ₄ NH ₂)] [PF ₆]. Journal of Organometallic Chemistry, 1998, 553, 115-128.	1.8	16
93	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
94	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
95	Hyper-Rayleigh scattering study of η^5 -monocyclopentadienyl-metal complexes for second order non-linear optical materials. Journal of Materials Chemistry, 1998, 8, 925-930.	6.7	56
96	Study of strongly overlapping Rh ²⁺ EPR spectra by high-resolution magnetic resonance techniques. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2993-2997.	1.7	6
97	Reanalysis and identification of an Rh ²⁺ 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
98	Electron trapping in PbCl ₂ :Tl crystals: The heteronuclear (PbTl) ²⁺ center. Physical Review B, 1998, 57, 1-5.	3.2	48
99	Electron spin resonance of rhodium-vacancy complexes in solution-grown NaCl crystals. Journal of Applied Physics, 1998, 84, 428-432.	2.5	20
100	Highly Dipolar, Optically Nonlinear Adducts of Tetracyano-p-quinodimethane: Synthesis, Physical Characterization, and Theoretical Aspects. Journal of the American Chemical Society, 1997, 119, 3144-3154.	13.7	126
101	Gigahertz modulation of tunneling-based GaAs light emitters. IEEE Photonics Technology Letters, 1997, 9, 1463-1465.	2.5	7
102	Third order nonlinear optical polarisability induced by real electronic excitations in transition metal diimine and dithiolen complexes. Chemical Physics Letters, 1996, 254, 410-414.	2.6	15
103	EPR detection of the presence and movement of anion vacancies in X-ray irradiated PbCl ₂ : Tl ⁺ crystals. Solid State Communications, 1995, 96, 491-495.	1.9	5
104	Photoluminescence of the electron-dressed confined X^{\sim} exciton in an n-type AlAs/GaAs resonant tunneling device. Physical Review B, 1995, 52, 5907-5912.	3.2	15
105	Temperature variation of the ESR parameters of the self-trapped-electron center in PbCl ₂ . Physical Review B, 1995, 52, 12-15.	3.2	230
106	EPR vs. temperature of Fe ³⁺ ions produced by radiolysis in CdCl ₂ : Fe crystals. Radiation Effects and Defects in Solids, 1995, 136, 191-196.	1.2	4
107	Electron self-trapping and photolysis in PbCl ₂ crystals. Radiation Effects and Defects in Solids, 1995, 136, 157-161.	1.2	11
108	Trapped hole Fe ³⁺ centres in layered CdCl ₂ :Fe crystals. Journal of Physics Condensed Matter, 1994, 6, 2619-2630.	1.8	16

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109	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
110	Large electric-field-induced enhancement of resonant Raman scattering of a single quantum well. Superlattices and Microstructures, 1994, 15, 377-380.	3.1	0
111	Asymmetric line shapes and time-resolved measurements: Vibrons in $\hat{\pm}\text{-Ar}_x(\text{N}_2)_{1-\hat{x}}$ mixed crystals. Physical Review B, 1993, 47, 14565-14567.	3.2	4
112	Direct observation of electron self-trapping in PbCl ₂ crystals. Physical Review B, 1993, 48, 9575-9580.	3.2	70
113	Relaxation of Frenkel-Type Rotational and Vibrational Excitons in Diatomic Molecular Crystals. NATO ASI Series Series B: Physics, 1993, , 237-286.	0.2	0
114	Identification by ESR of Pb ²⁺ -type centres in lead-doped SrCl ₂ . Journal of Physics Condensed Matter, 1992, 4, 9259-9268.	1.8	3
115	Sequential hole tunneling in n-type AlAs/GaAs resonant-tunneling structures from time-resolved photoluminescence. Physical Review B, 1992, 46, 6982-6989.	3.2	16
116	Electroluminescence from bipolar resonant tunneling diodes. Applied Physics Letters, 1992, 60, 77-79.	3.3	58
117	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
118	Raman study of the librational states in $\hat{\pm}\text{-Ar}_x(\text{N}_2)_{1-\hat{x}}$ mixed crystals. Journal of Luminescence, 1992, 53, 72-75.	3.1	8
119	Suppression of vibron state formation in $\text{Ar}_x(\text{N}_2)_{1-\hat{x}}$ mixed crystals. Journal of Chemical Physics, 1991, 95, 2269-2274.	3.0	14
120	Bias dependence of the hole tunneling time in AlAs/GaAs resonant tunneling structures. , 1991, 1362, 291.		5
121	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
122	Optical detection of light $\hat{\pm}$ and heavy $\hat{\pm}$ hole resonant tunneling in p $\hat{\pm}$ -type resonant tunneling structures. Applied Physics Letters, 1991, 59, 2139-2141.	3.3	14
123	Evidence for the orientationally disordered cubic phase of Ar _{0.15} (N ₂) _{0.85} from librational and vibrational Raman scattering. Physical Review B, 1991, 44, 10369-10371.	3.2	8
124	Dephasing times of the stretching vibration in liquid N ₂ and of the vibrons in the $\hat{\pm}$ and $\hat{1}^2$ crystalline phases. Journal of Luminescence, 1990, 45, 423-425.	3.1	14
125	Electron-spin-resonance study of Tl ⁰ centers of the laser-active type structure in SrCl ₂ . Physical Review B, 1990, 42, 7747-7753.	3.2	5
126	Dephasing times of the vibrons in $\hat{\pm}\text{-N}_2$ and in $\hat{\pm}\text{-(15N}_2\text{)}_x\text{(14N}_2\text{)}_{1-\hat{x}}$ mixed crystals. Physical Review B, 1990, 42, 5953-5958.	3.2	32

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127	Electron-spin-resonance and optical study of the $\text{Bi}^{0}(6p3)$ center in KCl. Physical Review B, 1990, 42, 3810-3817.	3.2	4
128	Dephasing relaxation of $J=2$ rotons in parahydrogen crystals doped with hydrogen-deuterium impurities. Physical Review B, 1989, 40, 6674-6679.	3.2	11
129	Observation of absorption and subsequent luminescence from the relaxed excited state of Sn^{2+} in KCl. Solid State Communications, 1988, 66, 1145-1148.	1.9	1
130	Roton relaxation in parahydrogen crystals measured by time-resolved stimulated Raman gain. Physical Review A, 1988, 37, 4769-4777.	2.5	21
131	Scattering-model calculation of the impurity-induced dephasing relaxation rates of the Raman-active $J=2$ rotons in solid parahydrogen. Physical Review B, 1988, 38, 1450-1455.	3.2	6
132	Electron-spin-resonance study of Pb^{2+} dimer centers in $\text{NaCl}:\text{PbCl}_2$. Physical Review B, 1987, 36, 1843-1852.	3.2	12
133	Resonant Raman scattering and dynamics of the $\text{F}_A(\text{Li}^+)$ modes in KCl. Physical Review B, 1987, 35, 2405-2412.	3.2	13
134	Dynamics and electronic properties of the Tl^+ -perturbed $\text{TlO}(1)$ center in KCl, KBr, and RbCl as probed by resonant Raman scattering. Physical Review B, 1987, 35, 8215-8222.	3.2	7
135	Electron Spin Resonance Study of Pb^{2+} (I) Centers of the Laser Active Structure in KCl and	1.5	24
136	Polarized Raman study of phonon modes perturbed by the off-center Li^+ impurity in KCl. Physical Review B, 1986, 34, 1273-1276.	3.2	14
137	Site-switched TlO atoms in Tl^+ -doped NaCl and KCl. Physical Review B, 1986, 33, 1559-1566.	3.2	7
138	Relaxation Times of $k=0$ Rotons in Pure Parahydrogen Crystals and Roton Scattering by Orthohydrogen Impurities. Physical Review Letters, 1986, 57, 479-482.	7.8	21
139	One-dimensional quantum rotator in solids: The para-ortho transition of H_2S^* in KCl. Physical Review B, 1986, 33, 25-31.	3.2	11
140	ESR and Optical Absorption Study of the Tl^{2+} (1) Center in NaCl. A Stable Laser Active Type Defect. Physica Status Solidi (B): Basic Research, 1985, 130, 175-182.	1.5	17
141	Electron Spin Resonance Study of Co^{2+} and Ni^{2+} Centers in $\text{AgCl}(\text{Cu}, \text{Co}, \text{Ni})$. Physica Status Solidi (B): Basic Research, 1985, 132, 179-187.	1.5	29
142	Hyperfine behavior of the laser-active $\text{TlO}(1)$ center in alkali-halides. Solid State Communications, 1985, 55, 877-880.	1.9	17
143	Electron-spin-resonance study of $\text{Sn}^{2+}(5p1)$ centers of the laser-active-type structure in $\text{KCl}:\text{Sn}^{2+}$ and analysis of the hyperfine structure. Physical Review B, 1985, 31, 5687-5693.	3.2	22
144	Structure and dynamics of the H_0 -tagged Li^+ center in KCl as studied by polarized Raman scattering. Physical Review B, 1985, 31, 6709-6715.	3.2	8

#	ARTICLE	IF	CITATIONS
145	Resonant Raman scattering of the laser-active $\text{Tl}^0(1)$ center in alkali halides. <i>Physical Review B</i> , 1985, 32, 6748-6755.	3.2	16
146	Behavior-type analysis of the polarized Raman spectra of halogen-perturbed interstitial hydrogen atoms in alkali halides. <i>Physical Review B</i> , 1984, 29, 5533-5546.	3.2	13
147	Behavior-type method for polarized Raman spectra of defects in cubic crystals. <i>Physical Review B</i> , 1984, 29, 5509-5532.	3.2	31
148	Pseudospin Dynamics of the One-Dimensional $\text{S}=\frac{1}{2}$ XY System PrCl_3 Studied by Electronic Raman Scattering. <i>Physical Review Letters</i> , 1984, 52, 1649-1652.	7.8	12
149	Resonant Raman scattering of the laser active $\text{Tl}^{\hat{\Delta}}(1)$ defect in KCl. <i>Journal of Luminescence</i> , 1984, 31-32, 317-319.	3.1	7
150	Raman scattering of pure, singly- and doubly perturbed interstitial hydrogen atom centers in alkali halides. <i>Radiation Effects</i> , 1983, 72, 81-87.	0.4	2
151	Interstitial Tl^0 atoms in alkali halides: ESR study of a $\langle 111 \rangle$ -oriented Tl_2^+ center. <i>Physical Review B</i> , 1983, 28, 1219-1226.	3.2	15
152	Electron-spin resonance of a complex $\text{Pb}^+(6p1)$ defect in alkali halides. <i>Physical Review B</i> , 1983, 28, 3712-3717.	3.2	37
153	ESR results on the laser-active $\text{Tl}^{\hat{\Delta}}(1)$ centers in RbCl and KBr. <i>Physical Review B</i> , 1983, 27, 5797-5799.	3.2	24
154	Identification and analysis of the Tl_2^+ ESR spectrum in KCl: Tl^+ . <i>Physical Review B</i> , 1983, 27, 1507-1515.	3.2	20
155	Electron-spin-resonance study of $\text{Pb}^{\hat{\Delta}}(6p3)$ in KCl: A possible Jahn-Teller system. <i>Physical Review B</i> , 1982, 25, 83-99.	3.2	19
156	The hyperfine interaction of thallium defects in KCl: TiCl crystals. <i>Hyperfine Interactions</i> , 1981, 10, 759-763.	0.5	1
157	Electron-spin-resonance study of Tl atom defects in KCl and relativistic many-body analysis of the hyperfine structure. <i>Physical Review B</i> , 1981, 24, 29-50.	3.2	97
158	The inelastic light scattering of the localized vibration of the interstitial hydrogen atom in the alkali halides. <i>Physica Status Solidi A</i> , 1980, 59, 597-606.	1.7	7
159	Inelastic Light Scattering of the V_{K} Centers in the Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 88, 615-621.	1.5	19
160	Estimating oxidised Sn^{4+} species at the precursor stage: on the effect of reducing agents in Sn-based perovskites. , 0, , .		0