

# Eric Faulques

## List of Publications by Year in descending order

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137  
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218677

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137  
all docs

137  
docs citations

137  
times ranked

2191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical Raman results in trans polyacetylene. Solid State Communications, 1983, 46, 851-855.	1.9	101
2	Doped Lead Halide White Phosphors for Very High Efficiency and Ultra-High Color Rendering. Angewandte Chemie - International Edition, 2020, 59, 2802-2807.	13.8	98
3	Vibrational analysis of heterocyclic polymers: A comparative study of polythiophene, polypyrrole, and polyisothianaphthene. Journal of Chemical Physics, 1989, 90, 7585-7593.	3.0	78
4	Combined theoretical and time-resolved photoluminescence investigations of $[\text{Mo}_6\text{Br}_8\text{Br}_6]^{2+}$ metal cluster units: evidence of dual emission. Physical Chemistry Chemical Physics, 2015, 17, 28574-28585.	2.8	62
5	Polarized resonant Raman spectra of fully oriented trans-polyacetylene: Experiments and theory. Physical Review B, 1986, 33, 8622-8628.	3.2	60
6	Properties of stretched trans(CH) <sub>x</sub> systems: Analysis of polarized resonant Raman scattering. Synthetic Metals, 1987, 17, 325-330.	3.9	56
7	Color Control in Coaxial Two-Luminophore Nanowires. ACS Nano, 2013, 7, 2977-2987.	14.6	53
8	Deep red luminescent hybrid copolymer materials with high transition metal cluster content. Journal of Materials Chemistry C, 2014, 2, 1545-1552.	5.5	52
9	Elaboration of conjugated polymer nanowires and nanotubes for tunable photoluminescence properties. Nanotechnology, 2009, 20, 155701.	2.6	46
10	Electrical and optical properties of PPV and single-walled carbon nanotubes composite films. Synthetic Metals, 2005, 155, 63-67.	3.9	44
11	Reflectivity modification of polymethylmethacrylate by silicon ion implantation. Applied Surface Science, 2008, 254, 4820-4827.	6.1	42
12	Strain sensing in single carbon fiber epoxy composites by simultaneous in-situ Raman and piezoresistance measurements. Carbon, 2016, 109, 124-130.	10.3	36
13	Resonant Raman scattering of partially isomerized and doped polyacetylene: An application of the conjugation length distribution model. Solid State Communications, 1985, 53, 583-586.	1.9	34
14	Transport and vibrational spectra of oxygen doped Y Ba <sub>2</sub> Cu <sub>3</sub> O <sub>6+<math>\delta</math></sub> . Solid State Communications, 1988, 65, 1343-1346.	1.9	34
15	Raman Spectroscopy of Optical Transitions and Vibrational Energies of $\sim 1/4$ nm HgTe Extreme Nanowires within Single Walled Carbon Nanotubes. ACS Nano, 2014, 8, 9044-9052.	14.6	33
16	Spectroscopic markers for uranium( <sup>VI</sup> ) phosphates: a vibronic study. RSC Advances, 2015, 5, 71219-71227.	3.6	33
17	Raman spectra of iodide species in intercalated IBi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+<math>\delta</math></sub> . Solid State Communications, 1992, 82, 531-535.	1.9	32
18	Two Successive Single Crystal Phase Transitions Involving the Coordination Sphere of Antimony in PhSb(dmit), the First Organo-Antimony(III) Dithiolene Complex. Inorganic Chemistry, 2001, 40, 2570-2577.	4.0	31

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19	ETUDE SPECTROMETRIQUE DE LA LAZURITE DU PAMIR, TAJIKISTAN. Canadian Mineralogist, 2002, 40, 885-893.	1.0	31
20	Silicon ion implanted PMMA for soft electronics. Organic Electronics, 2008, 9, 1051-1060.	2.6	30
21	Resonance raman spectroscopy and vibrational analysis of poly(isothianaphthene) and related compounds. Synthetic Metals, 1989, 28, 533-538.	3.9	29
22	Investigations of optical properties of MEH-PPV/ZnO nanocomposites by photoluminescence spectroscopy. Synthetic Metals, 2012, 162, 1756-1761.	3.9	29
23	New copolymer of poly( <i>N</i> -vinylcarbazole) and poly( <i>p</i> -phenylenevinylene) for optoelectronic devices. Journal of Applied Polymer Science, 2013, 130, 2839-2847.	2.6	29
24	Vibrational properties of Li-doped polyacetylene. Synthetic Metals, 1984, 9, 53-61.	3.9	28
25	Radical cation-radical anion salts: Molybdenum complexes containing the [TCNQ] <sup>•+</sup> or [TCNE] <sup>•+</sup> radical anions. X-ray crystal structure of [Mo(Et <sub>2</sub> NCS <sub>2</sub> ) <sub>4</sub> ](TCNQ). Polyhedron, 1995, 14, 1741-1750.	2.2	27
26	Raman spectroscopy of natural silica in Chicxulub impactite, Mexico. Comptes Rendus - Geoscience, 2002, 334, 21-26.	1.2	27
27	Optical Properties of Poly(para-phenylene Vinylene) and Single-Walled Carbon Nanotube Composite Films: Effects of Conversion Temperature, Precursor Dilution, and Nanotube Concentrations. Journal of Physical Chemistry C, 2007, 111, 15111-15118.	3.1	24
28	Steady state and transient photoluminescence in poly-p-phenylene vinylene films and nanofibers. Journal of Chemical Physics, 2009, 130, 124706.	3.0	24
29	Spectroscopy of natural silica-rich glasses.. Journal of Mineralogical and Petrological Sciences, 2001, 96, 120-128.	0.9	23
30	Coaxial nickel/poly(p-phenylene vinylene) nanowires as luminescent building blocks manipulated magnetically. Nanotechnology, 2009, 20, 405601.	2.6	23
31	Raman studies of uranyl nitrate and its hydroxy bridged dimer. Spectrochimica Acta Part A: Molecular Spectroscopy, 1994, 50, 757-763.	0.1	22
32	Photoluminescence properties of new PPV derivatives. Journal of Luminescence, 2011, 131, 1541-1544.	3.1	22
33	Monitoring self-sensing damage of multiple carbon fiber composites using piezoresistivity. Synthetic Metals, 2017, 224, 56-62.	3.9	22
34	A New Method for Controlling the Quantized Growth of Dendritic Nanoscale Point Contacts via Switchover and Shell Effects. Journal of Physical Chemistry C, 2015, 119, 632-639.	3.1	21
35	Unraveling the real structures of solution-based and surface-bound poly(3-hexylthiophene) (P3HT) oligomers: a combined theoretical and experimental study. RSC Advances, 2016, 6, 56174-56182.	3.6	21
36	Optical reflectivity study of silicon ion implanted poly(methyl methacrylate). Applied Surface Science, 2009, 256, 779-786.	6.1	20

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37	Structural and photoluminescence characterization of vertically aligned multiwalled carbon nanotubes coated with ZnO by magnetron sputtering. <i>Thin Solid Films</i> , 2012, 520, 4816-4819.	1.8	20
38	Nanostructuration and band gap emission enhancement of ZnO film via electrochemical anodization. <i>Thin Solid Films</i> , 2014, 571, 168-174.	1.8	20
39	Analysis of resonant Raman scattering spectra of fully oriented undoped and iodine-doped trans-polyacetylene: Experiments and theory. <i>Physical Review B</i> , 1987, 35, 3028-3031.	3.2	19
40	Synthesis and characterization of a new alternating copolymer containing quaterphenyl and fluorenyl groups. <i>Polymer</i> , 2007, 48, 98-104.	3.8	19
41	Effects of single-walled carbon nanotubes on the optical and photo-conductive properties of their composite films with regio-regular poly(3-hexylthiophene). <i>Materials Chemistry and Physics</i> , 2014, 143, 1102-1110.	4.0	19
42	Doped Lead Halide White Phosphors for Very High Efficiency and Ultra-High Color Rendering. <i>Angewandte Chemie</i> , 2020, 132, 2824-2829.	2.0	19
43	Lithium doping of (CH) <sub>x</sub> molecular diffusion of the dopant. <i>Journal of Chemical Physics</i> , 1984, 80, 6285-6290.	3.0	18
44	Phonon self-energy effects in (BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br. <i>Physical Review B</i> , 2000, 62, R9291-R9294.	3.2	18
45	Temperature and size dependence of time-resolved exciton recombination in ZnO quantum dots. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	18
46	A copolymer of PVK and P3HT and its nanocomposite with single-walled carbon nanotubes. <i>Synthetic Metals</i> , 2014, 197, 246-251.	3.9	18
47	Drastic solid-state luminescence color tuning of an archetypal Ir(III) complex using polyoxometalates and its application as a vapoluminescence chemosensor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11392-11395.	5.5	18
48	Exploring Optical and Vibrational Properties of the Uranium Carbonate Andersonite with Spectroscopy and First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7410-7420.	3.1	18
49	Improved photoconductive properties of composite nanofibers based on aligned conjugated polymer and single-walled carbon nanotubes. <i>Nano Research</i> , 2013, 6, 149-158.	10.4	17
50	Lithium doping of cis polyacetylene (CH) <sub>x</sub> . <i>Polymer</i> , 1982, 23, 173-175.	3.8	16
51	Properties of photoconductive In <sub>2</sub> Se <sub>3</sub> thin films, crystallized by post-deposition heat treatment in nitrogen atmosphere. <i>Applied Surface Science</i> , 1999, 151, 171-179.	6.1	16
52	Characterization and spectral properties of the new organic metal (BEDT-TTF) <sub>6</sub> (Mo <sub>8</sub> O <sub>26</sub> )(DMF) <sub>3</sub> . <i>Synthetic Metals</i> , 2003, 138, 483-489.	3.9	16
53	Conductance quantization as a new selective sensing mechanism in dendritic point contacts. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	16
54	Iodine insertion in high-T <sub>c</sub> cuprates Raman, magnetization, X-ray photoelectron and electron energy loss measurements. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 219, 297-314.	1.2	15

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55	Oxygen-sublattice ordering and intercalation mechanism of chlorine in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+<math>\delta</math></sub> . <i>Physical Review B</i> , 1994, 50, 1209-1222.	3.2	15
56	Identification of trihalide anions in bis(ethylenedithio)tetrathiafulvalene salts by Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2000, 112, 7634-7640.	3.0	15
57	SERS, FT-IR and photoluminescence studies on single-walled carbon nanotubes/conducting polymers composites. <i>Synthetic Metals</i> , 2005, 155, 666-669.	3.9	15
58	New Insights To Simulate the Luminescence Properties of Pt(II) Complexes Using Quantum Calculations. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 1748-1755.	5.3	15
59	DFT Modeling of Novel Donor-Acceptor (D-A) Molecules Incorporating 3-hexylthiophene (3HT) for Bulk Heterojunction Solar Cells. <i>ChemistrySelect</i> , 2017, 2, 10082-10090.	1.5	15
60	Strong Solid-state Luminescence Enhancement in Supramolecular Assemblies of Polyoxometalate and $\alpha$ -Aggregation-Induced Emission-Active Phospholium. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1642-1646.	3.3	15
61	Raman study of alkali-metal doped (CH) <sub>x</sub> complexes. <i>Synthetic Metals</i> , 1987, 17, 313-318.	3.9	14
62	Monomer, Dimer, and Tetramer States in Molybdenum Complexes of Tetracyanoquinodimethane. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1561-1568.	2.6	14
63	Facile design of red-emitting waveguides using hybrid nanocomposites made of inorganic clusters dispersed in SU8 photoresist host. <i>Optical Materials</i> , 2016, 52, 196-202.	3.6	14
64	Machine Learning Guided Design of Single-Phase Hybrid Lead Halide White Phosphors. <i>Advanced Science</i> , 2021, 8, e2101407.	11.2	14
65	Raman scattering of doped polyacetylene. <i>Synthetic Metals</i> , 1988, 24, 35-40.	3.9	11
66	Raman spectral studies of uranyl sulphate and its urea complex structural isomers. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993, 49, 975-983.	0.1	11
67	A complete optical study of the conductive form of polyaniline: the emeraldine salt. <i>Synthetic Metals</i> , 2001, 119, 389-390.	3.9	11
68	Characterization of Chemical Bonding in Ion-Implanted Polymers by Means of Mid-Infrared Reflectivity. <i>Applied Spectroscopy</i> , 2009, 63, 1022-1026.	2.2	11
69	High-precision imaging of an encapsulated Lindqvist ion and correlation of its structure and symmetry with quantum chemical calculations. <i>Nanoscale</i> , 2012, 4, 1190.	5.6	11
70	Charge Carrier Dynamics and pH Effect on Optical Properties of Anionic and Cationic Porphyrin-Graphene Oxide Composites. <i>Journal of Electronic Materials</i> , 2018, 47, 2897-2904.	2.2	11
71	Fluorine segregation in the solid state organisation of the 1 <sup>+</sup> 2 mixed-valence salt of bis(2,2-difluoropropylenedithio)tetrathiafulvalene with the isosteric nickel dithiolene complex. <i>CrystEngComm</i> , 2002, 4, 249-251.	2.6	10
72	Photoexcitations in fully organic nanocomposites of poly(3-hexylthiophene) and multiwalled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2016, 171, 83-90.	4.0	10

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73	Light assisted rechargeable batteries: a proof of concept with BODIPY derivatives acting as a combined photosensitizer and electrical storage unit. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1902-1905.	10.3	10
74	Polarized resonant Raman spectra of fully oriented cis-(CH) <sub>x</sub> films. <i>Physical Review B</i> , 1988, 38, 10645-10651.	3.2	9
75	Raman line shapes from sputtered thin films of Y(Pr)Ba <sub>2</sub> Cu <sub>3</sub> O <sub>6+δ</sub> : Fine structures and oxygen ordering. <i>Physical Review B</i> , 1997, 55, 3974-3986.	3.2	9
76	Optical properties of carbon nanotube-PPV composites: influence of the PPV conversion temperature and nanotube concentration. <i>Synthetic Metals</i> , 2005, 154, 221-224.	3.9	9
77	Novel blue emitters based on π-conjugated block copolymers. <i>Materials Science and Engineering C</i> , 2009, 29, 372-376.	7.3	9
78	Electronic interaction in composites of a conjugated polymer and carbon nanotubes: first-principles calculation and photophysical approaches. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1138-1144.	2.8	9
79	New insights into the vibrational and optical signatures of trans-stilbene via integrated experimental and quantum mechanical approaches. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19378-19385.	2.8	9
80	A p-Type Zinc-Based Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2017, 56, 6208-6213.	4.0	9
81	Oxygen vibrations in the series Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>4+2n+y</sub> . <i>Journal De Physique</i> , I, 1991, 1, 901-916.	1.2	9
82	Vibrational and electronic structures of tin selenide nanowires confined inside carbon nanotubes. <i>Synthetic Metals</i> , 2022, 284, 116968.	3.9	9
83	Polarized resonance Raman spectroscopy of fully-oriented crystalline trans-(CH) <sub>x</sub> . <i>Synthetic Metals</i> , 1985, 11, 123-128.	3.9	8
84	XPS studies of the Bi-Sr-Ca-Cu-O ceramics at temperatures near T <sub>c</sub> . <i>Physical Review B</i> , 1993, 48, 12989-12992.	3.2	8
85	Transformation of (BEDT-TTF) <sub>2</sub> I <sub>3</sub> networks in polymer films into superconducting $\hat{I}^{2t}$ phase as studied by resonant Raman spectroscopy. <i>Synthetic Metals</i> , 1998, 94, 27-30.	3.9	8
86	Structural and photophysical studies of few layers of reduced graphene oxide functionalized with Sn(IV) tetrakis (4-pyridyl)porphyrin dichloride. <i>Synthetic Metals</i> , 2016, 221, 247-252.	3.9	8
87	Vibrational spectroscopy of a crystallographically unsettled uranyl carbonate: Structural impact and model. <i>Vibrational Spectroscopy</i> , 2018, 99, 184-189.	2.2	8
88	Bromine-substituted polyacetylene, [CH <sub>1-y</sub> BR <sub>y</sub> ] <sub>x</sub> : Synthesis and characterization. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1982, 20, 211-216.	0.4	7
89	Raman and IR studies on the superconducting Bi-Sr-Ca-Cu-O system. <i>Journal of the Less Common Metals</i> , 1989, 151, 139-145.	0.8	7
90	Synthesis, Fabrication, and Photoluminescence of CaF <sub>2</sub> Doped with Rare Earth Ions. <i>Journal of Fluorescence</i> , 1998, 8, 283-287.	2.5	7

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91	Optical Properties of PPV and PPP Polymers. <i>Synthetic Metals</i> , 1999, 101, 196-197.	3.9	7
92	On the photo-physical properties of soluble oligomer from anodic oxidation of chlorine-substituted anisole (OPClAn). <i>Synthetic Metals</i> , 2013, 166, 22-32.	3.9	7
93	Spectroscopy and DFT studies of uranyl carbonate, rutherfordine, UO <sub>2</sub> CO <sub>3</sub> : a model for uranium transport, carbon dioxide sequestration, and seawater species. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 505501.	2.8	7
94	The influence of the substitution of Te for Se on the photoconductive properties of In <sub>2</sub> Se <sub>3</sub> -xTe <sub>3</sub> x thin films. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 1839-1850.	1.8	6
95	Vibrational States in Opals Revisited. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11968-11975.	3.1	6
96	Dynamic properties of the excited states of oligo-N-vinylcarbazole functionalized with single walled carbon nanotubes. <i>Journal of Molecular Structure</i> , 2013, 1039, 46-50.	3.6	6
97	Zn based nanoparticle-carbon nanotube hybrid materials: Interaction and charge transfer. <i>Carbon</i> , 2014, 66, 442-449.	10.3	6
98	Structural and electrical characteristics of GaN, n-GaN and Al <sub>1-x</sub> Ga <sub>1-x</sub> N. <i>Journal of Alloys and Compounds</i> , 2016, 656, 110-118.	5.5	6
99	Spectroscopic markers for uranium(vi) phosphates. Part II: the use of time-resolved photoluminescence. <i>RSC Advances</i> , 2017, 7, 919-926.	3.6	6
100	Template process for engineering the photoluminescence of PVK and PPV-based nanowires. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48201.	2.6	6
101	Tuning the oxidation states of dopants in Li <sub>2</sub> SrSiO <sub>4</sub> :Eu,Ce and control of the photoemission color. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121367.	2.9	6
102	Isotope effects in the Raman spectra of <sup>13</sup> C enriched C <sub>60</sub> . <i>Synthetic Metals</i> , 1993, 56, 3044-3049.	3.9	5
103	Phonons of the cis-polyacetylene chain. <i>Physical Review B</i> , 1995, 52, 15039-15042.	3.2	5
104	Transient photoluminescence from highly disordered silica-rich natural phases with and without nanostructures. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 393-400.	0.8	5
105	Photoluminescence properties of new poly(N-vinylcarbazole)- <i>β</i> -methylthiophene (PVK- <i>β</i> MeT) graft copolymer. <i>Journal of Applied Polymer Science</i> , 2012, 125, 126-132.	2.6	5
106	Synthesis and opto-structural characterization of reduced graphene oxide and meso-tetrakis(4-phenylsulfonic-acid) porphyrin composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8594-8600.	2.2	5
107	New Robust Luminescent Supramolecular Assemblies Based on [Ln(Mo <sub>8</sub> O <sub>26</sub> ) <sub>2</sub> ] <sup>5+</sup> (Ln = Eu, Sm) Polyoxometalates. <i>Inorganic Chemistry</i> , 2019, 58, 16322-16325.	4.0	5
108	Self-ordering promoted by the nanoconfinement of poly(3-hexylthiophene) and its nanocomposite with single-walled carbon nanotubes. <i>Nanotechnology</i> , 2019, 30, 055603.	2.6	5

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109	Surface morphology features of point contact gas sensors based on Cu-TCNQ compound. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 718, 25-35.	0.9	5
110	Infrared and Raman Spectra of bis-Thiourea Lead(II) Chloride. <i>Spectroscopy Letters</i> , 1996, 29, 1275-1284.	1.0	4
111	In situ Raman spectroscopy of thermal phase transformation of ET2I3 polycrystalline network in polymer films. <i>Synthetic Metals</i> , 2000, 109, 301-304.	3.9	4
112	Low frequency Raman spectroscopy of $\text{I}^{2-}\text{â}^{-3}\text{-(ET)2Br0.5ICl1.5}$ single crystals. <i>Synthetic Metals</i> , 2000, 109, 305-308.	3.9	4
113	Spectroscopy of the electron-phonon interaction in the layered two-dimensional dichalcogenide $\text{1Tâ}^{-}\text{VSe}_{2}$ . <i>Low Temperature Physics</i> , 2001, 27, 56.	0.6	4
114	Suseinargiuite, $(\text{Na}_{0.5}\text{Bi}_{0.5})\text{MoO}_4$ , the Na-Bi analogue of wulfenite, from Su Seinargiu, Sardinia, Italy. <i>European Journal of Mineralogy</i> , 2015, 27, 695-699.	1.3	4
115	Tailoring the Solid-State Fluorescence of BODIPY by Supramolecular Assembly with Polyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 12602-12609.	4.0	4
116	Composites between Perovskite and Layered Co-Based Oxides for Modification of the Thermoelectric Efficiency. <i>Materials</i> , 2021, 14, 7019.	2.9	4
117	Fully oriented cis-(CH)x: Experimental and theoretical analysis of the polarized Raman spectra. <i>Synthetic Metals</i> , 1989, 28, D317-D322.	3.9	3
118	Synthesis and Physical Properties of Co-intercalated Layered Lanthanide Oxychlorides $\text{Li}_x\text{THF}_y\text{LnOCl}$ (Ln = Y, Lu). <i>Chemistry of Materials</i> , 2003, 15, 4325-4331.	6.7	3
119	Mapping emissive channels of quantum dots: Influence of size and environment on energy transfer in the time domain. <i>Applied Physics Letters</i> , 2010, 97, 153111.	3.3	3
120	Vibrational dynamics of extreme $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Ã} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Ã} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle$ potassium iodide nanowires encapsulated in single-walled carbon nanotubes. <i>Physical Review B</i> , 2018, 98.	3.2	3
121	Combined experimental and first-principles studies of a hydrated uranyl carbonate: Insight into phonon spectra for a core environmental class of uranium materials. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 138, 109260.	4.0	3
122	Photo-physical effects of the chemical insertion of the dimethyl-amine moiety on the newly synthesized oligophenylene (OMPA). <i>Journal of Molecular Structure</i> , 2021, 1241, 130599.	3.6	3
123	Machine learning identification of experimental conditions for the synthesis of single-phase white phosphors. <i>Matter</i> , 2021, 4, 3967-3976.	10.0	3
124	Micro-Raman spectroscopy of single crystals of ET salts with mixed trihalide anions. <i>Synthetic Metals</i> , 1999, 103, 1979-1980.	3.9	2
125	Sers Spectra of Mono and Bisphthalocyanine Complexes Deposited on Ag and Au Supports. <i>Spectroscopy Letters</i> , 2000, 33, 625-631.	1.0	2
126	Electron-phonon interaction function in the layered dichalcogenide $2\text{Hâ}^{-}\text{TaSe}_2$ . <i>Low Temperature Physics</i> , 2009, 35, 539-543.	0.6	2



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127	Synthesis and Optical Study of a New Oligophenylene. <i>Polymers</i> , 2012, 4, 1226-1241.	4.5	2
128	Optical absorption and electron dynamics in reduced graphene oxide-nanostructured porphyrin for active solar cell layers. <i>Materials Today: Proceedings</i> , 2020, 20, 91-95.	1.8	2
129	A New Quantum Approach to Selective Detection in Gases and Liquid Media. , 2019, , .		2
130	Characterization of thin BiSrCaCuO superconducting films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992, 15, 138-147.	3.5	1
131	Raman spectroscopy of BEDT-TTF trihalide salts containing BrxlyCl1 $\hat{\sim}$ x $\hat{\sim}$ y anions. <i>Synthetic Metals</i> , 2001, 120, 807-808.	3.9	1
132	Time-Resolved Photoluminescence Studies on AlGa <sub>N</sub> Double Heterostructures. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2016, 33, 76-81.	3.2	1
133	Chemical insertion of anthracene moiety into the backbone of a newly synthesized oligophenylene (OMPA): effect on the photo-physical properties. <i>Research on Chemical Intermediates</i> , 2021, 47, 3437-3451.	2.7	1
134	Isotopic shifts and Raman line shapes of the organic superconductor $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . <i>Synthetic Metals</i> , 1997, 86, 1985-1986.	3.9	0
135	Temperature dependence of charge carrier creation in poly(p-phenylene vinylene) [PPV]. <i>Synthetic Metals</i> , 1999, 101, 409-412.	3.9	0
136	A study of the temperature effect on photoluminescence of the P3HT/MWNT nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 36, 549-552.	1.8	0
137	CaractÃ©risation et dopage Ã©lectrochimique d'un film de PPV photoconverti. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1998, 95, 1355-1358.	0.2	0