

# Andrzej ÅapiÅ,,ski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/906675/publications.pdf>

Version: 2024-02-01

99  
papers

1,220  
citations

361388

20  
h-index

477281

29  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory studies of polypyrrole and polypyrrole derivatives; substituent effect on the optical and electronic properties. <i>Polymer</i> , 2022, 255, 125127.	3.8	9
2	Combination of Negative, Positive, and Near-Zero Thermal Expansion in Bis(imidazolium) Terephthalate with a Helical Hydrogen-Bonded Network. <i>Crystal Growth and Design</i> , 2021, 21, 3838-3849.	3.0	8
3	Spectroscopic and Structural Study of a New Conducting Pyrazolium Salt. <i>Molecules</i> , 2021, 26, 4657.	3.8	5
4	Synthesis and characterization of triazole based nanocrystalline cellulose solid proton conductors. <i>European Polymer Journal</i> , 2021, 161, 110825.	5.4	8
5	Metal-insulator phase transition in the [2,6-anthracene-bis(sulfonate)] mat. <i>Physical Review B</i> , 2021, 104, .	3.2	0
6	New Supramolecular Drug Carriers: The Study of Organogel Conjugated Gold Nanoparticles. <i>Molecules</i> , 2021, 26, 7462.	3.8	4
7	Cellulose microfibrils surface treated with imidazole as new proton conductors. <i>Materials Chemistry and Physics</i> , 2020, 239, 122056.	4.0	23
8	Steroidal Molecular Rotors with 1,4-Diethynylphenylene Rotators: Experimental and Theoretical Investigations Toward Seeking Efficient Properties. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9625-9635.	2.6	2
9	Investigation of the thermal and conductive properties of oxalic acid salts with planar and undulating proton-conducting layers. <i>CrystEngComm</i> , 2020, 22, 2031-2041.	2.6	6
10	Toward a new type of proton conductor based on imidazole and aromatic acids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17152-17162.	2.8	13
11	Novel approach to passivation of InAs/GaSb type II superlattice photodetectors. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	4
12	Spectroscopic investigations of the new anhydrous proton-conducting compound of pyrazole with oxalate acid. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1914-1925.	2.5	2
13	Effect of counter ions on physical properties of imidazole-based proton conductors. <i>Electrochimica Acta</i> , 2019, 306, 575-589.	5.2	19
14	Lattice dynamics of Bi <sub>3</sub> TeBO <sub>9</sub> microcrystals: <sup>1</sup> / <sub>4</sub> -Raman/IR spectroscopic investigation and ab initio analysis. <i>Journal of Alloys and Compounds</i> , 2019, 782, 488-495.	5.5	9
15	A study of the optical, electrical and structural properties of poly(pyrrole-3,4-dicarboxylic acid). <i>Polymer</i> , 2019, 164, 142-153.	3.8	10
16	Vibrational spectroscopic characterization of cyclic and acyclic molecular rotors with 1,4-diethynylphenylene-d <sub>4</sub> rotators. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 393-400.	3.9	2
17	Does the Intramolecular Hydrogen Bond Affect the Spectroscopic Properties of Bicyclic Diazole Heterocycles?. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-15.	1.3	5
18	Comparison of structural, thermal and proton conductivity properties of micro- and nanocelluloses. <i>Carbohydrate Polymers</i> , 2018, 200, 536-542.	10.2	40

#	ARTICLE	IF	CITATIONS
19	Spectroscopic and quantum chemical studies of interaction between the alginic acid and Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 182, 1-7.	3.9	4
20	Proton conducting system (ImH <sub>2</sub> ) <sub>2</sub> SeO <sub>4</sub> ·2H <sub>2</sub> O investigated with vibrational spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 224-233.	3.9	10
21	Order-disorder phase transition in an anhydrous pyrazole-based proton conductor: the enhancement of electrical transport properties. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25653-25661.	2.8	13
22	The metal-insulator transition in the organic conductor $\hat{\Gamma}^2\hat{\Gamma}^3$ -(BEDT-TTF) <sub>2</sub> Hg(SCN) <sub>2</sub> Cl. <i>Journal of Chemical Physics</i> , 2017, 147, 064503.	3.0	6
23	Molecular interactions in high conductive gel electrolytes based on low molecular weight gelator. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 279-286.	9.4	11
24	$\hat{\Gamma}^4$ -Raman and infrared reflectance spectroscopy characterization of (Lu <sub>1-x</sub> Gd <sub>x</sub> ) <sub>2</sub> SiO <sub>5</sub> solid solution single crystals doped with Dy <sup>3+</sup> or Sm <sup>3+</sup> . <i>Journal of Molecular Structure</i> , 2016, 1109, 50-57.	3.6	6
25	Can $\hat{\Gamma}^2$ -cylpyrroles form an intramolecular hydrogen bond?. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 652-662.	1.9	3
26	Influence of the Synthetic Conditions on the Structural and Electrochemical Properties of Carbon Nanoions. <i>ChemPhysChem</i> , 2015, 16, 2182-2191.	2.1	27
27	Proton-conducting Microcrystalline Cellulose Doped with Imidazole. Thermal and Electrical Properties. <i>Electrochimica Acta</i> , 2015, 155, 38-44.	5.2	43
28	Proton Conducting Compound of Benzimidazole with Sebacic Acid: Structure, Molecular Dynamics, and Proton Conductivity. <i>Crystal Growth and Design</i> , 2014, 14, 1211-1220.	3.0	23
29	Electron-molecular vibration coupling in (DMtTTF)Br and (o-DMTTF) <sub>2</sub> [W <sub>6</sub> O <sub>19</sub> ] salts studied by vibrational spectroscopy. <i>Synthetic Metals</i> , 2014, 188, 92-99.	3.9	4
30	The Solvent-Gelator Interaction as the Origin of Different Diffusivity Behavior of Diols in Gels Formed with Sugar-Based Low-Molecular-Mass Gelator. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4005-4015.	2.6	18
31	Magnetization enhancement in magnetite nanoparticles capped with alginic acid. <i>Composites Part B: Engineering</i> , 2014, 64, 147-154.	12.0	39
32	Novel supramolecular organogels based on a hydrazide derivative: non-polar solvent-assisted self-assembly, selective gelation properties, nanostructure, solvent dynamics. <i>Soft Matter</i> , 2013, 9, 7501.	2.7	28
33	Vanadium species supported on inorganic oxides as catalysts for propene epoxidation in the presence of N <sub>2</sub> O as an oxidant. <i>Journal of Catalysis</i> , 2013, 306, 1-10.	6.2	18
34	Vibrational spectroscopy and DFT calculations of 1,3-dibromo-2,4,6-trimethylbenzene: Anharmonicity, coupling and methyl group tunneling. <i>Vibrational Spectroscopy</i> , 2013, 67, 27-43.	2.2	6
35	Spectroscopic Studies of the Phase Transition from the Mott Insulator State to the Charge-Ordering State of $\hat{\Gamma}^2$ -(ET) <sub>4</sub> [M(CN) <sub>6</sub> ][N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ] <sub>2</sub> ·2H <sub>2</sub> O <sup>3,5</sup> (M = Co <sup>III</sup> and Fe <sup>III</sup> ) Salts. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5241-5250.		8
36	Spectral investigation of the phase-transition behavior in (DOEO) <sub>4</sub> HgBr <sub>4</sub> ·TCE salt. <i>Optical Materials</i> , 2012, 34, 1651-1655.	3.6	4

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of a new proton-conducting material based on imidazole and selenic acid. <i>Solid State Ionics</i> , 2012, 227, 96-101.	2.7	12
38	Vibrational spectroscopic study of carbon nano-onions coated with polyaniline. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1210-1212.	0.8	6
39	On the relation between the solvent parameters and the physical properties of methyl-4,6-O-benzylidene- $\beta$ -D-glucopyranoside organogels. <i>Tetrahedron</i> , 2012, 68, 3803-3810.	1.9	25
40	Preparation and Characterization of Composites that Contain Small Carbon Nano-onions and Conducting Polyaniline. <i>Chemistry - A European Journal</i> , 2012, 18, 2600-2608.	3.3	63
41	Influence of solvent on the thermal stability and organization of self-assembling fibrillar networks in methyl-4,6-O-(p-nitrobenzylidene)- $\beta$ -D-glucopyranoside gels. <i>Tetrahedron</i> , 2011, 67, 7222-7230.	1.9	29
42	The synthesis and characterization of carbon nano-onions produced by solution ozonolysis. <i>Carbon</i> , 2011, 49, 5079-5089.	10.3	63
43	Experimental and Theoretical Investigation of Vibrational Spectra of Coordination Polymers Based on TCE-TTF. <i>ChemPhysChem</i> , 2011, 12, 2124-2130.	2.1	1
44	Electrochemical Properties of Oxidized Carbon Nano-onions: DRIFTS-FTIR and Raman Spectroscopic Analyses. <i>ChemPhysChem</i> , 2011, 12, 2659-2668.	2.1	31
45	Molecular conductors with differently oriented conducting layers, (EDT-TTF) <sub>3</sub> Hg <sub>2</sub> Br <sub>6</sub> and (TMBEDT-TTF) <sub>5</sub> Hg(SCN) <sub>4</sub> ·x. <i>Russian Chemical Bulletin</i> , 2010, 59, 1360-1368.	1.5	4
46	Characterization of tetragonal SAT <sub>0.3</sub> : LA <sub>0.075</sub> : CAT <sub>0.625</sub> perovskite crystal: spectroscopic and microscopic investigations. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1030-1037.	2.5	1
47	Structure of the carbon layer deposited on the steel surface after low pressure carburizing. <i>Vacuum</i> , 2010, 85, 429-433.	3.5	14
48	Spectroscopic and theoretical study on organic donors: DIET, DIEDO, and DIETS. <i>Vibrational Spectroscopy</i> , 2010, 52, 22-30.	2.2	7
49	Flexibility of Paramagnetic (d <sup>1</sup> ) Organometallic Dithiolene Complexes [Cp <sub>2</sub> M(dmit)] <sup>+</sup> (M = Mo, W) Studied by Raman Spectroscopy. , 2010, , .		0
50	Structural Distortions upon Oxidation in Heteroleptic [Cp <sub>2</sub> W(dmit)] Tungsten Dithiolene Complex: Combined Structural, Spectroscopic, and Magnetic Studies. <i>Inorganic Chemistry</i> , 2010, 49, 9777-9787.	4.0	11
51	Flexibility of paramagnetic (d <sup>1</sup> ) organometallic dithiolene complex [Cp <sub>2</sub> Mo(dmit)] <sup>+</sup> studied by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 2092-2098.	2.5	6
52	A DFT/TD-DFT study for the ground and excited states of peramine and some pyrrolopyrazinone compounds. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1058-1064.	1.9	3
53	Spectroscopic and theoretical study on peramine and some pyrrolopyrazinone compounds. <i>Vibrational Spectroscopy</i> , 2009, 49, 265-273.	2.2	7
54	Vibrational investigations of lanthanide doped strontium barium niobate (SBN) crystals. <i>Journal of Alloys and Compounds</i> , 2009, 478, 30-33.	5.5	20

#	ARTICLE	IF	CITATIONS
55	Solvent Effect on 1,2-O-(1-Ethylpropylidene)- $\beta$ -D-glucopyranose Organogel Properties. <i>Langmuir</i> , 2009, 25, 8274-8279.	3.5	72
56	1,2-O-(1-Ethylpropylidene)- $\beta$ -D-glucopyranose, a low molecular mass organogelator: benzene gel formation and their thermal stabilities. <i>Tetrahedron Letters</i> , 2008, 49, 6685-6689.	1.4	15
57	Temperature Raman scattering study of CaAl <sub>0.5</sub> Ta <sub>0.5</sub> O <sub>3</sub> perovskite crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1646-1651.	4.0	4
58	Vibrational properties of thin films and solid state of peryleneimide- $\pi$ -fullerene dyads. <i>Chemical Physics</i> , 2008, 352, 339-344.	1.9	13
59	TD-DFT investigation of the electronic spectra of (DOEO) <sub>4</sub> HgBr <sub>4</sub> ·TCE salt. <i>Molecular Physics</i> , 2008, 106, 33-42.	1.7	5
60	Supramolecular Structure and Spectral Properties of Selected Fullerene- $\pi$ -Organic Chromophore Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 483, 1-20.	0.9	2
61	Thermal Properties of the Gel Made by Low Molecular Weight Gelator 1,2-O-(1-ethylpropylidene)- $\beta$ -D-glucopyranose with Toluene and Molecular Dynamics of Solvent. <i>Langmuir</i> , 2008, 24, 534-540.	3.5	30
62	Infrared and Raman Investigations of the Charge Ordering Phenomena in the Monoclinic Salts $\beta$ -(BEDT-TTF) <sub>4</sub> [M(CN) <sub>6</sub> ][N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ] $\cdot$ 2H <sub>2</sub> O (M = CoIII, FeII). <i>Journal of Low Temperature Physics</i> , 2007, 142, 653-656.	1.4	2
63	Spectral Studies of DIET, DIEDO and DIETS Organic Donors and Their Charge-Transfer Salts with Paramagnetic Cyano Complex. <i>Journal of Low Temperature Physics</i> , 2007, 142, 601-604.	1.4	1
64	Spectral studies of new fullerene-tetrathiafulvalene based system. <i>Chemical Physics</i> , 2007, 332, 289-297.	1.9	11
65	Spectral studies of new organic conductors: $\beta$ -(BDH-TTP) <sub>4</sub> Hg <sub>3</sub> X <sub>8</sub> , where X=Cl, Br. <i>Synthetic Metals</i> , 2006, 156, 1043-1051.	3.9	8
66	Preparation and spectroscopic properties of chlorofullerenes C <sub>60</sub> Cl <sub>24</sub> , C <sub>60</sub> Cl <sub>28</sub> , and C <sub>60</sub> Cl <sub>30</sub> . <i>Carbon</i> , 2006, 44, 2770-2777.	10.3	28
67	Spectral investigations of unsymmetrical $\pi$ -donor ethylenedithio-dithiadiselenafulvalene iodomercurate, (EDT-DTDSF) <sub>4</sub> Hg <sub>3</sub> I <sub>8</sub> . <i>Chemical Physics</i> , 2006, 323, 161-168.	1.9	7
68	Optical properties of the conducting salt (DOEO) <sub>4</sub> HgBr <sub>4</sub> ·TCE. <i>Chemical Physics</i> , 2006, 326, 551-562.	1.9	13
69	Structure and spectral studies of the BEDO-TTF radical cation salt with isocyanuric acid anion. <i>Chemical Physics</i> , 2006, 330, 486-494.	1.9	11
70	Spectral investigations of selected C <sub>60</sub> -organic chromophore-linked systems. <i>Journal of Molecular Structure</i> , 2006, 792-793, 2-8.	3.6	4
71	Spectral studies of DIET, DIEDO and DIETS organic donors and their charge-transfer salts with paramagnetic cyano complex. <i>Journal of Low Temperature Physics</i> , 2006, 142, 597-600.	1.4	2
72	Infrared and raman investigations of the charge ordering phenomena in the monoclinic salts $\beta$ -(BEDT-TTF) <sub>4</sub> [M(CN) <sub>6</sub> ][N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ] $\cdot$ 2H <sub>2</sub> O (M=CoIII, FeII). <i>Journal of Low Temperature Physics</i> , 2006, 142, 641-645.	1.4	6

#	ARTICLE	IF	CITATIONS
73	Vibrational and Electronic Properties of Peryleneimide Linked to Fullerene and Tetrathiafulvalene. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 447, 87/[405]-103/[421].	0.9	12
74	Spectroscopic investigations of the BEDT-TTF charge transfer salts with NO <sub>3</sub> <sup>-</sup> anions (I <sup>2+</sup> - and I <sup>1+</sup> -phase). <i>Synthetic Metals</i> , 2005, 149, 79-88.	3.9	6
75	Spectral investigations of organic metals I <sup>2+</sup> -(BEDT-TTF) <sub>4</sub> [M(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ]·DMF, where A=NH <sub>4</sub> <sup>+</sup> , K <sup>+</sup> and M=CrIII, FeIII. <i>Synthetic Metals</i> , 2005, 151, 191-196.	3.9	2
76	Spectral investigation of the new organic metal I <sup>2+</sup> -(BEDT-TTF) <sub>4</sub> NH <sub>4</sub> [Cr(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ]·DMF. <i>Journal of Molecular Structure</i> , 2004, 704, 83-87.	3.6	3
77	Spectroscopic study of mixed oxide SAT <sub>1-x</sub> L <sub>x</sub> perovskite crystals. <i>Journal of Molecular Structure</i> , 2004, 704, 281-285.	3.6	8
78	Supramolecular porphyrin/fullerene interactions studied by spectral methods. <i>Chemical Physics</i> , 2004, 305, 277-284.	1.9	23
79	Electrical and spectral properties of organic salts formed from BEDT-TTF and magnetic anions. <i>Macromolecular Symposia</i> , 2004, 212, 169-178.	0.7	0
80	Temperature dependence of the IR reflectance spectra of molecular crystals: I <sup>2+</sup> -(EDDH-TTP) <sub>3</sub> [Cr(phen)(NCS) <sub>4</sub> ]·2CH <sub>2</sub> Cl <sub>2</sub> and I <sup>2+</sup> -(BDH-TTP) <sub>5</sub> [Cr(phen)(NCS) <sub>4</sub> ]·2CH <sub>2</sub> Cl <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2003, 651-653, 683-687.	3.6	1
81	Charge ordering in the I <sup>2+</sup> -phase BEDT-TTF salts with Co(CN) <sub>6</sub> and Fe(CN) <sub>6</sub> anions studied by infrared and Raman spectroscopies. <i>Comptes Rendus Chimie</i> , 2003, 6, 395-403.	0.5	13
82	Spectroscopic evidence of the charge ordering in I <sup>2+</sup> -[Et <sub>4</sub> N](BEDT-TTF) <sub>4</sub> M(CN) <sub>6</sub> ·3H <sub>2</sub> O (M = CoIII, FeIII, CrIII). <i>Synthetic Metals</i> , 2003, 133-134, 273-275.	3.9	9
83	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
84	New donor molecules and their I <sup>1+</sup> -phase conducting salts. <i>Synthetic Metals</i> , 2003, 135-136, 651-652.	3.9	5
85	Optical properties of the conducting salt I <sup>1+</sup> -(P-S,S-DMEDT-TTF) <sub>2</sub> (AuBr <sub>2</sub> )(AuBr <sub>2</sub> ) <sub>y</sub> (y ≈ 0.75). <i>Synthetic Metals</i> , 2003, 139, 405-409.	3.9	1
86	New Tetrathiapentalene-Derived Charge Transfer Salts with Paramagnetic Transition Metal Complex Anion: I <sup>2+</sup> -(EDDH-TTP) <sub>3</sub> [Cr(phen)(NCS) <sub>4</sub> ]·2CH <sub>2</sub> Cl <sub>2</sub> and I <sup>2+</sup> -(BDH-TTP) <sub>5</sub> [Cr(phen)(NCS) <sub>4</sub> ]·2CH <sub>2</sub> Cl <sub>2</sub> . <i>Inorganic Chemistry</i> , 2002, 41, 3761-3768.	4.0	21
87	Title is missing!. <i>Journal of Cluster Science</i> , 2002, 13, 267-278.	3.3	7
88	Raman Spectrum of the Phenyl Radical. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10520-10524.	2.5	28
89	Vibrations of nitrous oxide: Matrix isolation Fourier transform infrared spectroscopy of twelve N <sub>2</sub> O isotopomers. <i>Journal of Chemical Physics</i> , 2001, 115, 1757-1764.	3.0	57
90	Temperature dependence of infrared spectra of [Pd(dddt) <sub>2</sub> ] <sub>2</sub> AuBr <sub>2</sub> and [Pd(dddt) <sub>2</sub> ] <sub>2</sub> SbF <sub>6</sub> salts. <i>Synthetic Metals</i> , 2000, 114, 73-78.	3.9	0

#	ARTICLE	IF	CITATIONS
91	Electronic structure and electron–molecular vibration interaction in dimerized $[Pd(ddd)2]2X$ (where $X=AuBr2, SbF6, TeClx$ ) salts studied by IR spectroscopy. <i>Physical Review B</i> , 1999, 59, 15669-15679.	3.2	4

92