

Peter A Tanner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4636880/publications.pdf>

Version: 2024-02-01

112
papers

3,905
citations

172457

29
h-index

138484

58
g-index

113
all docs

113
docs citations

113
times ranked

3957
citing authors

#	ARTICLE	IF	CITATIONS
1	Some misconceptions concerning the electronic spectra of tri-positive europium and cerium. <i>Chemical Society Reviews</i> , 2013, 42, 5090.	38.1	514
2	Advanced red phosphors for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8611-8623.	5.5	382
3	Fingerprinting Metals in Urban Street Dust of Beijing, Shanghai, and Hong Kong. <i>Environmental Science & Technology</i> , 2008, 42, 7111-7117.	10.0	154
4	Orderly Layered Tetraivalent Manganese-Doped Strontium Aluminate $\text{Sr}_4\text{Al}_{14}\text{O}_{25}$: An Efficient Red Phosphor for Warm White Light Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2870-2876.	3.8	154
5	Misconceptions in electronic energy transfer: bridging the gap between chemistry and physics. <i>Chemical Society Reviews</i> , 2018, 47, 5234-5265.	38.1	126
6	Quantum yield and brightness. <i>Journal of Luminescence</i> , 2020, 224, 117256.	3.1	125
7	A stoichiometric terbium-europium dyad molecular thermometer: energy transfer properties. <i>Light: Science and Applications</i> , 2018, 7, 96.	16.6	98
8	Absorption and Emission Spectra of Ce^{3+} in Elpasolite Lattices. <i>Journal of the American Chemical Society</i> , 2003, 125, 13225-13233.	13.7	95
9	Luminescent lanthanide complexes: Selection rules and design. <i>Coordination Chemistry Reviews</i> , 2010, 254, 3026-3029.	18.8	89
10	What Use Are Crystal Field Parameters? A Chemist's Viewpoint. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6055-6062.	2.5	89
11	Visible Upconversion Luminescence from $\text{Y}_2\text{O}_3\text{:Eu}^{3+}, \text{Yb}^{3+}$. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16651-16654.	3.1	85
12	Optical properties of 3d transition metal ion-doped sodium borosilicate glass. <i>Journal of Alloys and Compounds</i> , 2015, 625, 328-335.	5.5	82
13	What Factors Affect the $^5\text{D}_0$ Energy of Eu^{3+} ? An Investigation of Nephelauxetic Effects. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2771-2781.	2.5	76
14	Luminescence Properties of Lanthanide and Transition Metal Ion-Doped $\text{Ba}_2\text{LaNbO}_6$: Detection of MnO_6^{8-} and CrO_6^{9-} Clusters. <i>Inorganic Chemistry</i> , 2009, 48, 11142-11146.	4.0	66
15	Nonlinear optical activity in dipolar organic lanthanide complexes. <i>Journal of Materials Chemistry</i> , 2010, 20, 4074.	6.7	65
16	Spectra, Energy Levels and Energy Transfer in High Symmetry Lanthanide Compounds. <i>Topics in Current Chemistry</i> , 0, , 167-278.	4.0	60
17	Spectral Properties and Energy Transfer of a Potential Solar Energy Converter. <i>Chemistry of Materials</i> , 2016, 28, 2834-2843.	6.7	50
18	Luminescence, cathodoluminescence and $\text{Ce}^{3+} \rightarrow \text{Eu}^{2+}$ energy transfer and emission enhancement in the $\text{Sr}_5(\text{PO}_4)_3\text{Cl}:\text{Ce}^{3+}, \text{Eu}^{2+}$ phosphor. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7155.	5.5	46

#	ARTICLE	IF	CITATIONS
19	Optical properties of 3d N transition metal ion-doped lead borate glasses. <i>Materials Research Bulletin</i> , 2016, 83, 400-407.	5.2	46
20	Nephelauxetic Effects in the Electronic Spectra of Pr ³⁺ . <i>Journal of Physical Chemistry A</i> , 2013, 117, 10726-10735.	2.5	41
21	First-principles study of Ce-doped Y3Al5O12 with Si ⁴⁺ incorporation: electronic structures and optical properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5214-5221.	5.5	40
22	Origin of the green persistent luminescence of Eu-doped SrAl ₂ O ₄ from a multiconfigurational <i>ab initio</i> study of 4f ⁷ 4f ⁶ 5d ¹ transitions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6637-6640.	5.5	40
23	A model analysis of 4fN ^{4fN} 15d transitions of rare-earth ions in crystals. <i>Journal of Alloys and Compounds</i> , 2004, 366, 34-40.	5.5	39
24	VUV ^{Vis} Luminescent Properties of BaCaBO ₃ F Doped with Ce ³⁺ and Tb ³⁺ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 12769-12777.	3.1	37
25	5D ₃ ^{5D₄} cross-relaxation of Tb ³⁺ in a cubic host lattice. <i>Chemical Physics Letters</i> , 2011, 506, 179-182.	2.6	33
26	Impressive near-infrared brightness and singlet oxygen generation from strategic lanthanide ^{porphyrin} double-decker complexes in aqueous solution. <i>Light: Science and Applications</i> , 2019, 8, 46.	16.6	33
27	Electronic spectra of Yb ³⁺ in elpasolite lattices. <i>Molecular Physics</i> , 1986, 58, 317-328.	1.7	32
28	Luminescence and radiative decay of Er ³⁺ in Cs ₂ NaErCl ₆ . <i>Molecular Physics</i> , 1988, 63, 365-385.	1.7	32
29	Determination of platinum in roadside dust samples by dynamic reaction cell-inductively coupled plasma-mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 639.	3.0	32
30	Comparison of 4f ² energy parameters for Pr ³⁺ in cubic elpasolite crystals. <i>Molecular Physics</i> , 1987, 60, 881-886.	1.7	31
31	Relationship between ionic composition in PM10 and the synoptic-scale and mesoscale weather conditions in a south China coastal city: A 4-year study. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	31
32	Electronic spectra of PrCl ₆ ³⁻ . <i>Molecular Physics</i> , 1986, 57, 697-735.	1.7	29
33	Reversible and Sensitive Hg ²⁺ Detection by a Cell-Permeable Ytterbium Complex. <i>Inorganic Chemistry</i> , 2018, 57, 120-128.	4.0	29
34	New analyses of energy level datasets for LaCl ₃ :Ln ³⁺ (Ln=Pr, Nd, Er). <i>Journal of Alloys and Compounds</i> , 2013, 575, 54-60.	5.5	27
35	Effects of Synoptic Weather Systems Upon the Air Quality in an Asian Megacity. <i>Water, Air, and Soil Pollution</i> , 2002, 136, 105-124.	2.4	26
36	High-spin and low-spin ^d transitions of Tb ³⁺ in elpasolite hosts. <i>Physical Review B</i> , 2005, 72, .	3.2	26

#	ARTICLE	IF	CITATIONS
37	Crystal Structure, Spectroscopy and Crystal Field Analysis of Substituted 1,10-Phenanthroline-Europium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 637-646.	2.0	26
38	Near infrared photostimulated persistent luminescence and information storage of SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ phosphor. <i>Optical Materials Express</i> , 2016, 6, 3375.	3.0	26
39	Unique Spectral Overlap and Resonant Energy Transfer between Europium(II) and Ytterbium(III) Cations: No Quantum Cutting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10357-10361.	13.8	26
40	Bright Green Emitting CaYAlO ₄ :Tb ³⁺ ,Ce ³⁺ Phosphor: Energy Transfer and 3D Printing Artwork. <i>Advanced Optical Materials</i> , 2020, 8, 2000523.	7.3	26
41	Analysis and comparison of holmium 4f ¹⁰ energy levels in Cs ₂ NaHoCl ₆ and Cs ₂ NaHoBr ₆ . <i>Molecular Physics</i> , 1987, 61, 635-644.	1.7	25
42	Synthesis, Structure, and Spectroscopy of Rare Earth Hypophosphites. 1. Anhydrous and Monohydrated Lanthanide Hypophosphites. <i>Inorganic Chemistry</i> , 1999, 38, 6008-6023.	4.0	25
43	Structure and Spectroscopy of Tb[Au(CN) ₂] ₃ ·3H ₂ O. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13083-13090.	2.6	25
44	Vehicle-related ammonia emissions in Hong Kong. <i>Environmental Chemistry Letters</i> , 2009, 7, 37-40.	16.2	25
45	Excitation and absorption spectra of Cs ₂ NaErCl ₆ . <i>Molecular Physics</i> , 1986, 57, 737-754.	1.7	24
46	Configuration interaction of Er ³⁺ with a charge transfer configuration in the elpasolite compound Cs ₂ NaErCl ₆ . <i>Molecular Physics</i> , 2003, 101, 983-992.	1.7	23
47	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1999, 33, 219-240.	3.2	21
48	Luminescence and excitation spectra of Nd ³⁺ in Cs ₂ NaGdCl ₆ : NdCl ₃ ·6H ₂ O. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 1707.	1.7	20
49	A Reversible Rhodamine B Based pH Probe with Large Pseudo Stokes Shift. <i>ChemPlusChem</i> , 2019, 84, 816-820.	2.8	20
50	Energy Transfer between Tb ³⁺ and Eu ³⁺ in LaPO ₄ : Pulsed versus Switched-Off Continuous Wave Excitation. <i>Advanced Science</i> , 2019, 6, 1900487.	11.2	20
51	Tunable Dual Visible and Near-Infrared Persistent Luminescence in Doped Zinc Gallogermanate Nanoparticles for Simultaneous Photosensitization and Bioimaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 1961-1971.	5.0	20
52	Unit cell group analysis of rare earth elpasolites. <i>Vibrational Spectroscopy</i> , 2003, 31, 51-61.	2.2	19
53	Extreme Particulate Levels at a Western Pacific Coastal City: The Influence of Meteorological Factors and the Contribution of Long-Range Transport. <i>Journal of Atmospheric Chemistry</i> , 2005, 50, 103-120.	3.2	19
54	Energy levels of Ho ³⁺ in HoCl ₃ ·6H ₂ O. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1987, 83, 1367.	1.1	18

#	ARTICLE	IF	CITATIONS
55	Local-field effect on the spontaneous radiative emission rate. <i>Physical Review B</i> , 2011, 83, .	3.2	18
56	Optical properties of selected 4d and 5d transition metal ion-doped glasses. <i>RSC Advances</i> , 2017, 7, 26411-26419.	3.6	18
57	Energy levels of Er ³⁺ in Cs ₂ NaErCl ₆ . <i>Molecular Physics</i> , 1987, 60, 1037-1045.	1.7	17
58	Electronic Spectra and Crystal Field Analysis of Energy Levels of Ho ³⁺ in HoF ₆ ³⁻ . <i>Journal of Physical Chemistry A</i> , 2011, 115, 2557-2567.	2.5	17
59	Glass composition and excitation wavelength dependence of the luminescence of Eu ³⁺ doped lead borate glass. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	17
60	Electronegativity, Charge Transfer, Crystal Field Strength, and the Point Charge Model Revisited. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1503-1507.	2.5	16
61	Spectral Properties and Energy Transfer between Ce ³⁺ and Yb ³⁺ in the Ca ₃ Sc ₂ Si ₃ O ₁₂ Host: Is It an Electron Transfer Mechanism?. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5539-5548.	2.5	16
62	Preformed sol-gel synthesis and characterization of lanthanide ion-doped yttria-alumina materials. <i>Physica Status Solidi A</i> , 2003, 199, 403-415.	1.7	15
63	Inter- and Intraconfigurational Transitions of Nd ³⁺ in Hexafluoroelpasolite Lattices. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12113-12118.	2.6	15
64	Electronic Spectra and Crystal-Field Analysis of Europium in Hexanitritolanthanate Systems. <i>Inorganic Chemistry</i> , 2012, 51, 2997-3006.	4.0	15
65	Parametrization of free ion levels of four isoelectronic 4f ² systems: Insights into configuration interaction parameters. <i>Chemical Physics Letters</i> , 2013, 590, 46-51.	2.6	15
66	Some Aspects of Configuration Interaction of the 4f ^N Configurations of Tripositive Lanthanide Ions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8745-8752.	2.5	15
67	Synthesis, Structure, and Spectroscopy of Rare Earth Hypophosphites. 2. Uranyl Hypophosphite Monohydrate and Uranyl Hypophosphite ²⁻ Hypophosphorous Acid (1/1). <i>Inorganic Chemistry</i> , 1999, 38, 6024-6031.	4.0	14
68	Rationalizing the Photoluminescence of Bi ³⁺ and Sb ³⁺ in Double Perovskite Halide Crystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26670-26678.	3.1	14
69	Downconversion in Cs ₂ NaErCl ₆ . <i>Chemical Physics Letters</i> , 2007, 442, 302-306.	2.6	13
70	Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 395504.	1.8	13
71	Excitation and Emission Spectra of Cs ₂ NaLnCl ₆ Crystals Using Synchrotron Radiation. <i>Spectroscopy Letters</i> , 2010, 43, 431-445.	1.0	13
72	Determination of Triplet State Energy and the Absorption Spectrum for a Lanthanide Complex. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7022-7033.	3.1	13

#	ARTICLE	IF	CITATIONS
73	Downshifting in Cs ₂ NaBiCl ₆ :Er ³⁺ : transforming ultraviolet into near infrared radiation. Journal of Materials Chemistry C, 2022, 10, 2950-2954.	5.5	13
74	Vibronic analysis of the (4G _{5/2}) ⁸ → 6H _{5/2} , 6H _{7/2} , 6H _{9/2} luminescence transitions of Cs ₂ NaYCl ₆ :SmCl ₃ . Chemical Physics Letters, 1989, 155, 59-63.	2.6	12
75	Acid Rain and Below-Cloud Scavenging in South-Western China. Journal of Atmospheric Chemistry, 1997, 27, 71-78.	3.2	12
76	Two Novel 5f-3d Bimetallic Cyano-Bridged Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 1543-1545.	2.0	12
77	The reported anomalous emission intensity of the ⁵ D ₀ → ⁷ F ₄ transition of Eu ³⁺ in a molybdate double perovskite. Journal of Materials Chemistry C, 2015, 3, 960-963.	5.5	12
78	Reported blue upconversion from U ⁴⁺ doped into Cs ₂ ZrCl ₆ single crystals under green laser excitation. Chemical Physics, 1997, 215, 125-130.	1.9	11
79	Theory of one-phonon-assisted energy transfer between rare-earth ions in crystals. Physical Review B, 2002, 66, .	3.2	11
80	Effects of europium spectral probe interchange in Ln-dyads with cyclen and phen moieties. Dalton Transactions, 2019, 48, 4314-4323.	3.3	11
81	Aerosol pollution and its potential impacts on outdoor human thermal sensation: East Asian perspectives. Environmental Research, 2017, 158, 753-758.	7.5	10
82	Charging and ultralong phosphorescence of lanthanide facilitated organic complex. Nature Communications, 2021, 12, 6532.	12.8	10
83	Infrared luminescence spectrum and crystal-field analysis of neodymium-doped yttrium vanadate. Chemical Physics Letters, 1988, 152, 140-145.	2.6	9
84	Excitation and luminescence spectra of UO ₂ F ₂ ·4H ₂ O. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 1259-1262.	0.1	9
85	Structural variations of praseodymium(III) benzoate derivative complexes with dimethylformamide. Polyhedron, 2015, 88, 138-148.	2.2	9
86	Unique Spectral Overlap and Resonant Energy Transfer between Europium(II) and Ytterbium(III) Cations: No Quantum Cutting. Angewandte Chemie, 2017, 129, 10493-10497.	2.0	9
87	Small-Scale Horizontal Variations in Ionic Concentrations of Bulk Deposition from Hong Kong. Water, Air, and Soil Pollution, 2000, 122, 433-448.	2.4	8
88	Case studies of Asian dust storm impacts on a coastal site: implication of a good dust storm tracer. Water, Air, and Soil Pollution, 2005, 168, 59-70.	2.4	8
89	Experimental and Theoretical Studies of the Vibrational and Electronic Spectra of a Lanthanide Ion at a Site of <i>T_h</i> . Symmetry: Pr ³⁺ in Cs ₂ NaPr(NO ₂) ₆ . Inorganic Chemistry, 2011, 50, 9004-9013.	4.0	8
90	Importance of Volume Ratio in Photonic Effects of Lanthanide-Doped LaPO ₄ Nanocrystals. Small, 2020, 16, 1905234.	10.0	8

#	ARTICLE	IF	CITATIONS
91	Analysis of spectra of neat and lanthanide ion-doped KPr_2Cl_5 excited by synchrotron radiation. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 581-587.	1.5	7
92	Rationalizing the structural changes and spectra of manganese and their temperature dependence in a series of garnets with first-principles calculations. <i>Physical Review B</i> , 2022, 105, .	3.2	7
93	Understanding photoluminescence of Cs_2MnCl_4 doped with post-transition-metal ions using first-principles calculations. <i>Physical Review B</i> , 2022, 105, .	3.2	7
94	Three-body energy transfer processes of lanthanide ions in crystals. <i>Journal of Luminescence</i> , 1995, 66-67, 203-207.	3.1	6
95	Inter-Relationships and Seasonal Variations of Inorganic Components of Pm_{10} in a Western Pacific Coastal City. <i>Water, Air, and Soil Pollution</i> , 2005, 165, 113-130.	2.4	6
96	Use of preformed sols in the synthesis of luminescent lanthanide ion-doped yttria. <i>Journal of Materials Science</i> , 2001, 36, 2253-2255.	3.7	5
97	Ultraviolet emission and unusual hot bands of Ho^{3+} in elpasolite hosts. <i>Chemical Physics Letters</i> , 2005, 413, 284-288.	2.6	5
98	Electronic Spectra of $\text{Cs}_2\text{NaYb}(\text{NO}_2)_6$: Is There Quantum Cutting?. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4381-4388.	2.5	5
99	Massive Stokes shift in 12-coordinate $\text{Ce}(\text{NO}_2)_6^{3+}$: crystal structure, vibrational and electronic spectra. <i>Scientific Reports</i> , 2018, 8, 16557.	3.3	5
100	Temperature dependence of the local field effect in $\text{YAG}:\text{Ce}^{3+}$ nanocomposites. <i>Nanoscale</i> , 2021, 13, 10002-10009.	5.6	5
101	Role of the Rigid Host Structure in Narrow-Band Green Emission of Eu^{2+} in $\text{Rb}_2\text{Na}(\text{Li}_3\text{SiO}_4)_4$: Insights into Electron-Phonon Coupling. <i>Inorganic Chemistry</i> , 2022, 61, 7617-7623.	4.0	5
102	Ultraviolet spectra of $\text{KPr}_2\text{Cl}_5:\text{Er}^{3+}$. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	4
103	Luminescence properties, centroid shift and energy transfer of Ce^{3+} in aqueous chloride solutions. <i>Journal of Luminescence</i> , 2014, 146, 440-444.	3.1	4
104	Persistent luminescence of zinc gallogermanates. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7200-7213.	5.5	4
105	Electronic Spectra and Crystal Field Analysis of Tb^{3+} in $\text{Cs}_2\text{NaTb}(\text{NO}_2)_6$: Tb^{3+} Situated at a Site of Th Symmetry. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12764-12771.	3.1	3
106	Energy Transfer: Energy Transfer between Tb^{3+} and Eu^{3+} in LaPO_4 : Pulsed versus Switched-Off Continuous Wave Excitation (<i>Adv. Sci.</i> 10/2019). <i>Advanced Science</i> , 2019, 6, 1970060.	11.2	2
107	Limitations of the Quantification of Organic Carbon in Sediment from C-H Stretching Vibrations in DRIFT Spectra. <i>Spectroscopy Letters</i> , 2005, 38, 271-282.	1.0	1
108	Lanthanide-Doped Nanocrystals: Importance of Volume Ratio in Photonic Effects of Lanthanide-Doped LaPO_4 Nanocrystals (<i>Small</i> 1/2020). <i>Small</i> , 2020, 16, 2070002.	10.0	0

#	ARTICLE	IF	CITATIONS
109	Local field effect on luminescent properties of organic molecule-doped silica nanoparticles. <i>Optical Materials: X</i> , 2021, 10, 100073.	0.8	0
110	Orbital transitions: insight into energy transfer through an antenna for an organo-lanthanide complex. <i>Chemical Communications</i> , 2021, 57, 10727-10730.	4.1	0
111	Photoluminescence of ZnO:Eu ³⁺ nanoflowers. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1307-11.	0.9	0
112	Thermally Activated Photophysical Processes of Organolanthanide Complexes in Solution. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4800-4806.	4.6	0