# Peter A Tanner

## List of Publications by Year in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 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 | Rationalizing the structural changes and spectra of manganese and their temperature dependence in a series of garnets with first-principles calculations. Physical Review B, 2022, 105, . | 3.2 | 7 |
| 2 | Downshifting in Cs<sub>2</sub>NaBiCl<sub>6</sub>:Er<sup>3+</sup>: transforming ultraviolet into near infrared radiation. Journal of Materials Chemistry C, 2022, 10, 2950-2954. | 5.5 | 13 |
| 3 | Role of the Rigid Host Structure in Narrow-Band Green Emission of Eu<sup>2+</sup> in Rb<sub>2</sub>Na<sub>2</sub>(Li<sub>3</sub>SiO<sub>4</sub>)<sub>4</sub>: Insights into Electronâ€“Phonon Coupling. Inorganic Chemistry, 2022, 61, 7617-7623. | 4.0 | 5 |
| 4 | Understanding photoluminescence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Cs</mml:mi></mml:mrow><mml:mn>2</mn> doped with post-transition-metal ions using first-principles calculations. Physical Review B, 2022, 105, . | 3.2 | 7 |
| 5 | Thermally Activated Photophysical Processes of Organolanthanide Complexes in Solution. Journal of Physical Chemistry Letters, 2022, 13, 4800-4806. | 4.6 | 0 |
| 6 | Persistent luminescence of zinc gallogermanates. Journal of Materials Chemistry C, 2021, 9, 7200-7213. | 5.5 | 4 |
| 7 | Temperature dependence of the local field effect in YAG:Ce3+ nanocomposites. Nanoscale, 2021, 13, 10002-10009. | 5.6 | 5 |
| 8 | Determination of Triplet State Energy and the Absorption Spectrum for a Lanthanide Complex. Journal of Physical Chemistry C, 2021, 125, 7022-7033. | 3.1 | 13 |
| 9 | Local field effect on luminescent properties of organic molecule-doped silica nanoparticles. Optical Materials: X, 2021, 10, 100073. | 0.8 | 0 |
| 10 | Orbital transitions: insight into energy transfer through an antenna for an organo-lanthanide complex. Chemical Communications, 2021, 57, 10727-10730. | 4.1 | 0 |
| 11 | Charging and ultralong phosphorescence of lanthanide facilitated organic complex. Nature Communications, 2021, 12, 6532. | 12.8 | 10 |
| 12 | Rationalizing the Photoluminescence of Bi<sup>3+</sup> and Sb<sup>3+</sup> in Double Perovskite Halide Crystals. Journal of Physical Chemistry C, 2021, 125, 26670-26678. | 3.1 | 14 |
| 13 | Lanthanideâ€Doped Nanocrystals: Importance of Volume Ratio in Photonic Effects of Lanthanideâ€Doped LaPO<sub>4</sub> Nanocrystals (Small 1/2020). Small, 2020, 16, 2070002. | 10.0 | 0 |
| 14 | Importance of Volume Ratio in Photonic Effects of Lanthanideâ€Doped LaPO 4 Nanocrystals. Small, 2020, 16, 1905234. | 10.0 | 8 |
| 15 | Tunable Dual Visible and Near-Infrared Persistent Luminescence in Doped Zinc Gallogermanate Nanoparticles for Simultaneous Photosensitization and Bioimaging. ACS Applied Nano Materials, 2020, 3, 1961-1971. | 5.0 | 20 |
| 16 | Quantum yield and brightness. Journal of Luminescence, 2020, 224, 117256. | 3.1 | 125 |
| 17 | Bright Green Emitting CaYAlO<sub>4</sub>:Tb<sup>3+</sup>,Ce<sup>3+</sup> Phosphor: Energy Transfer and 3Dâ€Printing Artwork. Advanced Optical Materials, 2020, 8, 2000523. | 7.3 | 26 |
| 18 | A Reversible Rhodamine B Based pH Probe with Large Pseudoâ€Stokes Shift. ChemPlusChem, 2019, 84, 816-820. | 2.8 | 20 |

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|---|---|---|---|
| 19 | Impressive near-infrared brightness and singlet oxygen generation from strategic lanthanideâ€“porphyrin double-decker complexes in aqueous solution. Light: Science and Applications, 2019, 8, 46. | 16.6 | 33 |
| 20 | Energy Transfer: Energy Transfer between Tb 3+ and Eu 3+ in LaPO 4 : Pulsed versus Switchedâ€off Continuous Wave Excitation (Adv. Sci. 10/2019). Advanced Science, 2019, 6, 1970060. | 11.2 | 2 |
| 21 | Effects of europium spectral probe interchange in Ln-dyads with cyclen and phen moieties. Dalton Transactions, 2019, 48, 4314-4323. | 3.3 | 11 |
| 22 | Energy Transfer between Tb<sup>3+</sup> and Eu<sup>3+</sup> in LaPO<sub>4</sub>: Pulsed versus Switchedâ€off Continuous Wave Excitation. Advanced Science, 2019, 6, 1900487. | 11.2 | 20 |
| 23 | Electronic Spectra of Cs<sub>2</sub>NaYb(NO<sub>2</sub>)<sub>6</sub>: Is There Quantum Cutting?. Journal of Physical Chemistry A, 2018, 122, 4381-4388. | 2.5 | 5 |
| 24 | Reversible and Sensitive Hg2+ Detection by a Cell-Permeable Ytterbium Complex. Inorganic Chemistry, 2018, 57, 120-128. | 4.0 | 29 |
| 25 | Massive Stokes shift in 12-coordinate Ce(NO2)63â^': crystal structure, vibrational and electronic spectra. Scientific Reports, 2018, 8, 16557. | 3.3 | 5 |
| 26 | A stoichiometric terbium-europium dyad molecular thermometer: energy transfer properties. Light: Science and Applications, 2018, 7, 96. | 16.6 | 98 |
| 27 | Origin of the green persistent luminescence of Eu-doped SrAl<sub>2</sub>O<sub>4</sub>from a multiconfigurationalab initiostudy of 4f<sup>7</sup>â†' 4f<sup>6</sup>5d<sup>1</sup>transitions. Journal of Materials Chemistry C, 2018, 6, 6637-6640. | 5.5 | 40 |
| 28 | Misconceptions in electronic energy transfer: bridging the gap between chemistry and physics. Chemical Society Reviews, 2018, 47, 5234-5265. | 38.1 | 126 |
| 29 | Optical properties of selected 4d and 5d transition metal ion-doped glasses. RSC Advances, 2017, 7, 26411-26419. | 3.6 | 18 |
| 30 | Aerosol pollution and its potential impacts on outdoor human thermal sensation: East Asian perspectives. Environmental Research, 2017, 158, 753-758. | 7.5 | 10 |
| 31 | 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 |
| 32 | Unique Spectral Overlap and Resonant Energy Transfer between Europium(II) and Ytterbium(III) Cations: No Quantum Cutting. Angewandte Chemie - International Edition, 2017, 56, 10357-10361. | 13.8 | 26 |
| 33 | Spectral Properties and Energy Transfer of a Potential Solar Energy Converter. Chemistry of Materials, 2016, 28, 2834-2843. | 6.7 | 50 |
| 34 | First-principles study of Ce-doped Y3Al5O12 with Siâ€“N incorporation: electronic structures and optical properties. Journal of Materials Chemistry C, 2016, 4, 5214-5221. | 5.5 | 40 |
| 35 | Advanced red phosphors for white light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 8611-8623. | 5.5 | 382 |
| 36 | Near infrared photostimulated persistent luminescence and information storage of SrAl_2O_4:Eu^2+,Dy^3+ phosphor. Optical Materials Express, 2016, 6, 3375. | 3.0 | 26 |

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|---|---|---|---|
| 37 | Spectral Properties and Energy Transfer between Ce<sup>3+</sup> and Yb<sup>3+</sup> in the Ca<sub>3</sub>Sc<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> Host: Is It an Electron Transfer Mechanism?. Journal of Physical Chemistry A, 2016, 120, 5539-5548. | 2.5 | 16 |
| 38 | Optical properties of 3d N transition metal ion-doped lead borate glasses. Materials Research Bulletin, 2016, 83, 400-407. | 5.2 | 46 |
| 39 | The reported anomalous emission intensity of the <sup>5</sup>D<sub>0</sub> â†' <sup>7</sup>F<sub>4</sub> transition of Eu<sup>3+</sup> in a molybdate double perovskite. Journal of Materials Chemistry C, 2015, 3, 960-963. | 5.5 | 12 |
| 40 | Structural variations of praseodymium(III) benzoate derivative complexes with dimethylformamide. Polyhedron, 2015, 88, 138-148. | 2.2 | 9 |
| 41 | Optical properties of 3d transition metal ion-doped sodium borosilicate glass. Journal of Alloys and Compounds, 2015, 625, 328-335. | 5.5 | 82 |
| 42 | Luminescence properties, centroid shift and energy transfer of Ce3+ in aqueous chloride solutions. Journal of Luminescence, 2014, 146, 440-444. | 3.1 | 4 |
| 43 | Some Aspects of Configuration Interaction of the 4f<sup>N</sup> Configurations of Tripositive Lanthanide Ions. Journal of Physical Chemistry A, 2014, 118, 8745-8752. | 2.5 | 15 |
| 44 | Luminescence, cathodoluminescence and Ce3+ â†' Eu2+ energy transfer and emission enhancement in the Sr5(PO4)3Cl:Ce3+,Eu2+ phosphor. Journal of Materials Chemistry C, 2013, 1, 7155. | 5.5 | 46 |
| 45 | Orderlyâ€Layered Tetravalent Manganeseâ€Doped Strontium Aluminate <scp><scp>Sr</scp></scp><sub>4</sub><scp><scp>Al</scp></scp><sub>14</sub><scp><scp>O</scp></scp><sub>25</sub>:<scp> An Efficient Red Phosphor for Warm White Light Emitting Diodes. Journal of the American Ceramic Society, 2013, 96, 2870-2876. | 3.8 | 154 |
| 46 | Nephelauxetic Effects in the Electronic Spectra of Pr<sup>3+</sup>. Journal of Physical Chemistry A, 2013, 117, 10726-10735. | 2.5 | 41 |
| 47 | New analyses of energy level datasets for LaCl3:Ln3+ (Ln=Pr, Nd, Er). Journal of Alloys and Compounds, 2013, 575, 54-60. | 5.5 | 27 |
| 48 | Parametrization of free ion levels of four isoelectronic 4f2 systems: Insights into configuration interaction parameters. Chemical Physics Letters, 2013, 590, 46-51. | 2.6 | 15 |
| 49 | Some misconceptions concerning the electronic spectra of tri-positive europium and cerium. Chemical Society Reviews, 2013, 42, 5090. | 38.1 | 514 |
| 50 | Electronegativity, Charge Transfer, Crystal Field Strength, and the Point Charge Model Revisited. Journal of Physical Chemistry A, 2013, 117, 1503-1507. | 2.5 | 16 |
| 51 | What Factors Affect the <sup>5</sup>D<sub>0</sub> Energy of Eu<sup>3+</sup>? An Investigation of Nephelauxetic Effects. Journal of Physical Chemistry A, 2013, 117, 2771-2781. | 2.5 | 76 |
| 52 | VUVâ€"Vis Luminescent Properties of BaCaBO<sub>3</sub>F Doped with Ce<sup>3+</sup> and Tb<sup>3+</sup>. Journal of Physical Chemistry C, 2013, 117, 12769-12777. | 3.1 | 37 |
| 53 | Electronic Spectra and Crystal-Field Analysis of Europium in Hexanitritolanthanate Systems. Inorganic Chemistry, 2012, 51, 2997-3006. | 4.0 | 15 |
| 54 | Electronic Spectra and Crystal Field Analysis of Tb3+in Cs2NaTb(NO2)6: Tb3+Situated at a Site ofThSymmetry. Journal of Physical Chemistry C, 2012, 116, 12764-12771. | 3.1 | 3 |

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| 55 | Analysis of spectra of neat and lanthanide ionâ€doped KPb<sub>2</sub>Cl<sub>5</sub> excited by synchrotron radiation. Physica Status Solidi (B): Basic Research, 2012, 249, 581-587. | 1.5 | 7 |
| 56 | Electronic Spectra and Crystal Field Analysis of Energy Levels of Ho<sup>3+</sup> in HoF<sub>6</sub><sup>3â^'</sup>. Journal of Physical Chemistry A, 2011, 115, 2557-2567. | 2.5 | 17 |
| 57 | Local-field effect on the spontaneous radiative emission rate. Physical Review B, 2011, 83, . | 3.2 | 18 |
| 58 | Experimental and Theoretical Studies of the Vibrational and Electronic Spectra of a Lanthanide Ion at a Site of T<sub>h</sub> Symmetry: Pr<sup>3+</sup> in Cs<sub>2</sub>NaPr(NO<sub>2</sub>)<sub>6</sub>. Inorganic Chemistry, 2011, 50, 9004-9013. | 4.0 | 8 |
| 59 | 5D3â€“5D4 cross-relaxation of Tb3+ in a cubic host lattice. Chemical Physics Letters, 2011, 506, 179-182. | 2.6 | 33 |
| 60 | Crystal Structure, Spectroscopy and Crystal Field Analysis of Substituted 1,10-Phenanthroline-Europium Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 637-646. | 2.0 | 26 |
| 61 | Glass composition and excitation wavelength dependence of the luminescence of Eu3+ doped lead borate glass. Journal of Applied Physics, 2011, 110, . | 2.5 | 17 |
| 62 | Luminescent lanthanide complexes: Selection rules and design. Coordination Chemistry Reviews, 2010, 254, 3026-3029. | 18.8 | 89 |
| 63 | What Use Are Crystal Field Parameters? A Chemistâ€™s Viewpoint. Journal of Physical Chemistry A, 2010, 114, 6055-6062. | 2.5 | 89 |
| 64 | Nonlinear optical activity in dipolar organicâ€“lanthanide complexes. Journal of Materials Chemistry, 2010, 20, 4074. | 6.7 | 65 |
| 65 | Excitation and Emission Spectra of Cs<sub>2</sub>NaLnCl<sub>6</sub>Crystals Using Synchrotron Radiation. Spectroscopy Letters, 2010, 43, 431-445. | 1.0 | 13 |
| 66 | Vehicle-related ammonia emissions in Hong Kong. Environmental Chemistry Letters, 2009, 7, 37-40. | 16.2 | 25 |
| 67 | Luminescence Properties of Lanthanide and Transition Metal Ion-Doped Ba<sub>2</sub>LaNbO<sub>6</sub>: Detection of MnO<sub>6</sub><sup>8â^'</sup> and CrO<sub>6</sub><sup>9â^'</sup> Clusters. Inorganic Chemistry, 2009, 48, 11142-11146. | 4.0 | 66 |
| 68 | Vacuum ultraviolet excitation spectra of lanthanide-doped hexafluoroelpasolites. Journal of Physics Condensed Matter, 2009, 21, 395504. | 1.8 | 13 |
| 69 | Visible Upconversion Luminescence from Y<sub>2</sub>O<sub>3</sub>:Eu<sup>3+</sup>,Yb<sup>3+</sup>. Journal of Physical Chemistry C, 2008, 112, 16651-16654. | 3.1 | 85 |
| 70 | Fingerprinting Metals in Urban Street Dust of Beijing, Shanghai, and Hong Kong. Environmental Science & Technology, 2008, 42, 7111-7117. | 10.0 | 154 |
| 71 | Ultraviolet spectra of KPb2Cl5:Er3+. Applied Physics Letters, 2008, 92, . | 3.3 | 4 |
| 72 | Photoluminescence of ZnO:Eu3+ nanoflowers. Journal of Nanoscience and Nanotechnology, 2008, 8, 1307-11. | 0.9 | 0 |

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| 73 | Downconversion in Cs2NaErCl6. Chemical Physics Letters, 2007, 442, 302-306. | 2.6 | 13 |
| 74 | Inter- and Intraconfigurational Transitions of Nd3+in Hexafluoroelpasolite Lattices. Journal of Physical Chemistry B, 2006, 110, 12113-12118. | 2.6 | 15 |
| 75 | Two Novel 5fâ€“3d Bimetallic Cyano-Bridged Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 1543-1545. | 2.0 | 12 |
| 76 | Ultraviolet emission and unusual hot bands of Ho3+ in elpasolite hosts. Chemical Physics Letters, 2005, 413, 284-288. | 2.6 | 5 |
| 77 | 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 |
| 78 | Inter-Relationships and Seasonal Variations of Inorganic Components of Pm10 in a Western Pacific Coastal City. Water, Air, and Soil Pollution, 2005, 165, 113-130. | 2.4 | 6 |
| 79 | Extreme Particulate Levels at a Western Pacific Coastal City: The Influence of Meteorological Factors and the Contribution of Long-Range Transport. Journal of Atmospheric Chemistry, 2005, 50, 103-120. | 3.2 | 19 |
| 80 | High-spin and low-spinfâ^'dtransitions ofTb3+in elpasolite hosts. Physical Review B, 2005, 72, . | 3.2 | 26 |
| 81 | Limitations of the Quantification of Organic Carbon in Sediment from Câ€“H Stretching Vibrations in DRIFT Spectra. Spectroscopy Letters, 2005, 38, 271-282. | 1.0 | 1 |
| 82 | Relationship between ionic composition in PM10and the synoptic-scale and mesoscale weather conditions in a south China coastal city: A 4-year study. Journal of Geophysical Research, 2005, 110, . | 3.3 | 31 |
| 83 | Structure and Spectroscopy of Tb[Au(CN)2]3Â·3H2O. Journal of Physical Chemistry B, 2005, 109, 13083-13090. | 2.6 | 25 |
| 84 | Determination of platinum in roadside dust samples by dynamic reaction cell-inductively coupled plasma-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 639. | 3.0 | 32 |
| 85 | A model analysis of 4fNâ€“4fNâ^'15d transitions of rare-earth ions in crystals. Journal of Alloys and Compounds, 2004, 366, 34-40. | 5.5 | 39 |
| 86 | Absorption and Emission Spectra of Ce3+in Elpasolite Lattices. Journal of the American Chemical Society, 2003, 125, 13225-13233. | 13.7 | 95 |
| 87 | Unit cell group analysis of rare earth elpasolites. Vibrational Spectroscopy, 2003, 31, 51-61. | 2.2 | 19 |
| 88 | Preformed sol-gel synthesis and characterization of lanthanide ion-doped yttria-alumina materials. Physica Status Solidi A, 2003, 199, 403-415. | 1.7 | 15 |
| 89 | Configuration interaction of Er3+with a charge transfer configuration in the elpasolite compound Cs2NaErCl6. Molecular Physics, 2003, 101, 983-992. | 1.7 | 23 |
| 90 | Theory of one-phonon-assisted energy transfer between rare-earth ions in crystals. Physical Review B, 2002, 66, . | 3.2 | 11 |

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| 91 | Effects of Synoptic Weather Systems Upon the Air Quality in an Asian Megacity. Water, Air, and Soil Pollution, 2002, 136, 105-124. | 2.4 | 26 |
| 92 | Use of preformed sols in the synthesis of luminescent lanthanide ion-doped yttria. Journal of Materials Science, 2001, 36, 2253-2255. | 3.7 | 5 |
| 93 | 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 |
| 94 | Title is missing!. Journal of Atmospheric Chemistry, 1999, 33, 219-240. | 3.2 | 21 |
| 95 | Synthesis, Structure, and Spectroscopy of Rare Earth Hypophosphites. 2. Uranyl Hypophosphite Monohydrate and Uranyl Hypophosphiteâ^'Hypophosphorous Acid (1/1). Inorganic Chemistry, 1999, 38, 6024-6031. | 4.0 | 14 |
| 96 | Synthesis, Structure, and Spectroscopy of Rare Earth Hypophosphites. 1. Anhydrous and Monohydrated Lanthanide Hypophosphites. Inorganic Chemistry, 1999, 38, 6008-6023. | 4.0 | 25 |
| 97 | Acid Rain and Below-Cloud Scavenging in South-Western China. Journal of Atmospheric Chemistry, 1997, 27, 71-78. | 3.2 | 12 |
| 98 | Reported blue upconversion from U4+ doped into Cs2ZrCl6 single crystals under green laser excitation. Chemical Physics, 1997, 215, 125-130. | 1.9 | 11 |
| 99 | Three-body energy transfer processes of lanthanide ions in crystals. Journal of Luminescence, 1995, 66-67, 203-207. | 3.1 | 6 |
| 100 | Luminescence and excitation spectra of Nd3+ in Cs2NaGdCl6 : NdCl 3? 6. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 1707. | 1.7 | 20 |
| 101 | Excitation and luminescence spectra of UO2F2â^'4. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 1259-1262. | 0.1 | 9 |
| 102 | Vibronic analysis of the (4G52)Î“8 â†' 6H52, 6H72, 6H92 luminescence transitions of Cs2NaYCl6:SmCl3â^'6. Chemical Physics Letters, 1989, 155, 59-63. | 2.6 | 12 |
| 103 | Infrared luminescence spectrum and crystal-field analysis of neodymium-doped yttrium vanadate. Chemical Physics Letters, 1988, 152, 140-145. | 2.6 | 9 |
| 104 | Luminescence and radiative decay of Er3+in Cs2NaErCl6. Molecular Physics, 1988, 63, 365-385. | 1.7 | 32 |
| 105 | Energy levels of Er3+in Cs2NaErCl6. Molecular Physics, 1987, 60, 1037-1045. | 1.7 | 17 |
| 106 | Analysis and comparison of holmium 4f10energy levels in Cs2NaHoCl6and Cs2NaHoBr6. Molecular Physics, 1987, 61, 635-644. | 1.7 | 25 |
| 107 | Energy levels of Ho3+ in HoCl 3? 6. Journal of the Chemical Society, Faraday Transactions 2, 1987, 83, 1367. | 1.1 | 18 |
| 108 | Comparison of 4f2energy parameters for Pr3+in cubic elpasolite crystals. Molecular Physics, 1987, 60, 881-886. | 1.7 | 31 |

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| 109 | Electronic spectra of Yb3+in elpasolite lattices. Molecular Physics, 1986, 58, 317-328. | 1.7 | 32 |
| 110 | Electronic spectra of PrCl63-. Molecular Physics, 1986, 57, 697-735. | 1.7 | 29 |
| 111 | Excitation and absorption spectra of Cs2NaErCl6. Molecular Physics, 1986, 57, 737-754. | 1.7 | 24 |
| 112 | Spectra, Energy Levels and Energy Transfer in High Symmetry Lanthanide Compounds. Topics in Current Chemistry, 0, , 167-278. | 4.0 | 60 |