

Pavel Anzenbacher Jr

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1632394/publications.pdf>

Version: 2024-02-01

71
papers

4,224
citations

94433

37
h-index

106344

65
g-index

77
all docs

77
docs citations

77
times ranked

4897
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence Lifetime-Based Sensor for Cyanide and Related Anions. <i>Journal of the American Chemical Society</i> , 2002, 124, 6232-6233.	13.7	436
2	A practical approach to optical cross-reactive sensor arrays. <i>Chemical Society Reviews</i> , 2010, 39, 3954.	38.1	318
3	Rational Design of a Fluorescence Turn-On Sensor Array for Phosphates in Blood Serum. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7849-7852.	13.8	194
4	Templated Synthesis of Glycoluril Hexamer and Monofunctionalized Cucurbit[6]uril Derivatives. <i>Journal of the American Chemical Society</i> , 2011, 133, 17966-17976.	13.7	159
5	Supramolecular Sensor for Cancer-Associated Nitrosamines. <i>Journal of the American Chemical Society</i> , 2012, 134, 20021-20024.	13.7	143
6	1,3-Indane-Based Chromogenic Calixpyrroles with Push~Pull Chromophores: Synthesis and Anion Sensing. <i>Organic Letters</i> , 2006, 8, 359-362.	4.6	138
7	Simple Electrooptical Sensors for Inorganic Anions. <i>Organic Letters</i> , 2005, 7, 5027-5030.	4.6	131
8	Phenylbenzimidazole-Based New Bipolar Host Materials for Efficient Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2009, 21, 2452-2458.	6.7	127
9	Turn-on fluorescent sensor array for basic amino acids in water. <i>Chemical Communications</i> , 2014, 50, 61-63.	4.1	122
10	Benzothiadiazoles and Dipyrrolyl Quinoxalines with Extended Conjugated Chromophores~Fluorophores and Anion Sensors. <i>Chemistry of Materials</i> , 2005, 17, 5238-5241.	6.7	117
11	Multianalyte Sensing of Addictive Over-the-Counter (OTC) Drugs. <i>Journal of the American Chemical Society</i> , 2013, 135, 15238-15243.	13.7	116
12	Direct Synthesis of Expanded Fluorinated Calix[n]pyrroles: Decafluorocalix[5]pyrrole and Hexadecafluorocalix[8]pyrrole. <i>Journal of the American Chemical Society</i> , 2000, 122, 12061-12062.	13.7	104
13	Determination of Enantiomeric Excess in Amine Derivatives with Molecular Self-Assemblies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7130-7133.	13.8	96
14	Small-Molecule Turn-On Fluorescent Probes for RDX. <i>Journal of the American Chemical Society</i> , 2015, 137, 7967-7969.	13.7	93
15	Polymer nanofibre junctions of attolitre volume serve as zeptomole-scale chemical reactors. <i>Nature Chemistry</i> , 2009, 1, 80-86.	13.6	89
16	High-Efficiency Tris(8-hydroxyquinoline)aluminum (Alq ₃) Complexes for Organic White-Light-Emitting Diodes and Solid-State Lighting. <i>Chemistry - A European Journal</i> , 2011, 17, 9076-9082.	3.3	88
17	Efficiency improvement of fluorescent OLEDs by tuning the working function of PEDOT:PSS using UV-ozone exposure. <i>Organic Electronics</i> , 2010, 11, 938-945.	2.6	87
18	Dipyrrolyl quinoxalines with extended chromophores are efficient fluorimetric sensors for pyrophosphate. Electronic supplementary information (ESI) available: experimental data. See http://www.rsc.org/suppdata/cc/b3/b301362f/ . <i>Chemical Communications</i> , 2003, , 1394.	4.1	80

#	ARTICLE	IF	CITATIONS
19	Supramolecular Sensors for Opiates and Their Metabolites. <i>Journal of the American Chemical Society</i> , 2017, 139, 14954-14960.	13.7	76
20	True Blue: A Blue-Emitting Aluminum(III) Quinolinolate Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 9610-9612.	4.0	68
21	First supramolecular sensors for phosphonate anions. <i>Chemical Science</i> , 2013, 4, 3617.	7.4	67
22	Determination of enantiomeric excess of carboxylates by fluorescent macrocyclic sensors. <i>Chemical Science</i> , 2016, 7, 2016-2022.	7.4	65
23	Leveraging Material Properties in Fluorescence Anion Sensor Arrays: A General Approach. <i>Chemistry - A European Journal</i> , 2013, 19, 8497-8506.	3.3	60
24	Iptycene-Based Fluorescent Sensors for Nitroaromatics and TNT. <i>Chemistry - A European Journal</i> , 2012, 18, 12712-12718.	3.3	59
25	Toward Wearable Sensors: Fluorescent Attoreactor Mats as Optically Encoded Cross-Responsive Sensor Arrays. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2345-2348.	13.8	55
26	A mercury(II) ion sensor device based on an organic field effect transistor with an extended-gate modified by dipicolylamine. <i>Chemical Communications</i> , 2015, 51, 17666-17668.	4.1	51
27	Benzimidazole Derivatives: Synthesis, Physical Properties, and n-Type Semiconducting Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 11835-11846.	3.3	50
28	Antibody- and Label-Free Phosphoprotein Sensor Device Based on an Organic Transistor. <i>Analytical Chemistry</i> , 2016, 88, 1092-1095.	6.5	49
29	Selective Anion Sensing by Chiral Macrocyclic Receptors with Multiple Hydrogen-Bonding Sites. <i>Organic Letters</i> , 2014, 16, 1302-1305.	4.6	48
30	Fluorimetric sensing of ATP in water by an imidazolium hydrazone based sensor. <i>Chemical Communications</i> , 2019, 55, 1770-1773.	4.1	46
31	Cationic Iridium Complexes Coordinated with Coumarin Dyes as Sensitizers for Visible-Light-Driven Hydrogen Generation. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3975-3979.	2.0	45
32	Strategies toward improving the performance of fluorescence-based sensors for inorganic anions. <i>Chemical Communications</i> , 2004, , 1282-1283.	4.1	43
33	Sensing of enantiomeric excess in chiral carboxylic acids. <i>Chemical Communications</i> , 2015, 51, 5770-5773.	4.1	41
34	Quantitative analysis of modeled ATP hydrolysis in water by a colorimetric sensor array. <i>Chemical Communications</i> , 2016, 52, 7838-7841.	4.1	40
35	Harnessing a Ratiometric Fluorescence Output from a Sensor Array. <i>Chemistry - A European Journal</i> , 2008, 14, 8540-8546.	3.3	39
36	Hydrophilic polymer matrices in optical array sensing. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 693-704.	6.1	39

#	ARTICLE	IF	CITATIONS
37	Fluorescent zinc and copper complexes for detection of adrafinil in paper-based microfluidic devices. <i>Chemical Communications</i> , 2016, 52, 8279-8282.	4.1	38
38	Analysis of non-covalent interactions between the nanoparticulate fillers and the matrix polymer as applied to shape memory performance. <i>Journal of Materials Chemistry</i> , 2010, 20, 3467.	6.7	36
39	Inorganic Solids of CdSe Nanocrystals Exhibiting High Emission Quantum Yield. <i>Advanced Functional Materials</i> , 2012, 22, 3714-3722.	14.9	36
40	Sensing of 2,4,6-trinitrotoluene (TNT) and 2,4-dinitrotoluene (2,4-DNT) in the Solid State with Photoluminescent Ru ^{II} and Ir ^{III} Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 4056-4064.	3.3	33
41	Toward Fluorescence-Based High-Throughput Screening for Enantiomeric Excess in Amines and Amino Acid Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10074-10080.	3.3	32
42	High-Throughput Assay for Enantiomeric Excess Determination in 1,2- and 1,3-Diols and Direct Asymmetric Reaction Screening. <i>Chemistry - A European Journal</i> , 2017, 23, 10222-10229.	3.3	32
43	Anion Sensing by Fluorescent Expanded Calixpyrroles. <i>Chemistry - A European Journal</i> , 2018, 24, 4879-4884.	3.3	30
44	Determination of Enantiomeric Excess in Amine Derivatives with Molecular Self-Assemblies. <i>Angewandte Chemie</i> , 2015, 127, 7236-7239.	2.0	29
45	Fluorescent Sensor Array for Quantitative Determination of Saccharides. <i>ACS Sensors</i> , 2021, 6, 4001-4008.	7.8	26
46	Toward wearable sensors: optical sensor for detection of ammonium nitrate-based explosives, ANFO and ANNM. <i>Chemical Communications</i> , 2017, 53, 5196-5199.	4.1	25
47	Pyrrole-Based Anion Sensors, Part I: Colorimetric Sensors. <i>Topics in Heterocyclic Chemistry</i> , 2010, , 205-235.	0.2	23
48	High-throughput assay for determining enantiomeric excess of chiral diols, amino alcohols, and amines and for direct asymmetric reaction screening. <i>Nature Protocols</i> , 2020, 15, 2203-2229.	12.0	23
49	Synthesis, Structure, Photoluminescence, and Electroluminescence of Four Europium Complexes: Fabrication of Pure Red Organic Light-Emitting Diodes from Europium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3644-3654.	2.0	22
50	A dual chromophore sensor for the detection of amines, diols, hydroxy acids, and amino alcohols. <i>Chemical Communications</i> , 2019, 55, 4495-4498.	4.1	19
51	Detection and quantification of ATP in human blood serum. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7459-7462.	2.8	16
52	An indicator displacement assay recognizes enantiomers of chiral carboxylates. <i>Chemical Communications</i> , 2019, 55, 7183-7186.	4.1	15
53	Diazirine-based photo-crosslinkers for defect free fabrication of solution processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11988-11996.	5.5	15
54	Bowl-shaped Tröger's bases and their recognition properties. <i>Chemical Communications</i> , 2016, 52, 10664-10667.	4.1	13

#	ARTICLE	IF	CITATIONS
55	A tri-serine tri-lactone scaffold for the quantification of citrate in urine. <i>Chemical Communications</i> , 2016, 52, 1827-1830.	4.1	13
56	A Fluorescence Sensor Array Based on Zinc(II)-Carboxyamidoquinolines: Toward Quantitative Detection of ATP**. <i>Chemistry - A European Journal</i> , 2021, 27, 11344-11351.	3.3	13
57	Room-temperature electrophosphorescence from an all-organic material. <i>Journal of Luminescence</i> , 2016, 180, 111-116.	3.1	10
58	Biguanides, anion receptors and sensors. <i>Chemical Communications</i> , 2017, 53, 10074-10077.	4.1	10
59	4- vs. 5-phenylquinolinolate aluminum (III) isomers. <i>Journal of Luminescence</i> , 2010, 130, 145-152.	3.1	9
60	Cover Picture: Toward Wearable Sensors: Fluorescent Attoreactor Mats as Optically Encoded Cross-Responsive Sensor Arrays (<i>Angew. Chem. Int. Ed.</i> 10/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2255-2255.	13.8	9
61	Effect of Bis-diazirine-Mediated Photo-Crosslinking on Polyvinylcarbazole and Solution-Processed Polymer LEDs. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3365-3371.	4.3	9
62	Colorimetric Chemosensor Array for Determination of Halides. <i>Chemosensors</i> , 2021, 9, 39.	3.6	8
63	Ion-Mediated Ligand Exchange and Size Focusing of Semiconductor Nanocrystals in Ligand-Saturated Solutions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23623-23630.	3.1	6
64	Bright Deep Blue TADF OLEDs: The Role of Triphenylphosphine Oxide in NPB/TPBi:PPH ₃ O Exciplex Emission. <i>Advanced Optical Materials</i> , 2020, 8, 0191282.	7.3	6
65	Cross-reactive binding versus selective phosphate sensing in an imine macrocycle sensor. <i>CheM</i> , 2022, 8, 2228-2244.	11.7	5
66	Detection of phosphates in water utilizing a Eu ³⁺ -mediated relay mechanism. <i>New Journal of Chemistry</i> , 2022, 46, 1839-1844.	2.8	2
67	Exploiting fluorescent zinc(ii) and copper(ii) complexes for enantiomeric excess determination of hydroxycarboxylates. <i>Chemical Communications</i> , 2020, 56, 8964-8967.	4.1	1
68	Binaphthalene Boronic Acid Sensor for Saccharides and Fructose Determination in Beverages. <i>Analysis & Sensing</i> , 2022, 2, .	2.0	1
69	Cover Picture: Rational Design of a Fluorescence-Turn-On Sensor Array for Phosphates in Blood Serum (<i>Angew. Chem. Int. Ed.</i> 41/2007). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7715-7715.	13.8	0
70	Titelbild: Toward Wearable Sensors: Fluorescent Attoreactor Mats as Optically Encoded Cross-Responsive Sensor Arrays (<i>Angew. Chem.</i> 10/2012). <i>Angewandte Chemie</i> , 2012, 124, 2301-2301.	2.0	0
71	Titelbild: Determination of Enantiomeric Excess in Amine Derivatives with Molecular Self-Assemblies (<i>Angew. Chem.</i> 24/2015). <i>Angewandte Chemie</i> , 2015, 127, 7047-7047.	2.0	0