

Manuel A Palacios

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,475
citations

331670

21
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

3127
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical approach to optical cross-reactive sensor arrays. <i>Chemical Society Reviews</i> , 2010, 39, 3954.	38.1	318
2	Rational Design of a Minimal Size Sensor Array for Metal Ion Detection. <i>Journal of the American Chemical Society</i> , 2008, 130, 10307-10314.	13.7	242
3	Supramolecular Chemistry Approach to the Design of a High-Resolution Sensor Array for Multianion Detection in Water. <i>Journal of the American Chemical Society</i> , 2007, 129, 7538-7544.	13.7	238
4	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
5	Towards outperforming conventional sensor arrays with fabricated individual photonic vapour sensors inspired by Morpho butterflies. <i>Nature Communications</i> , 2015, 6, 7959.	12.8	171
6	Synthesis, Structure, Anion Binding, and Sensing by Calix[4]pyrrole Isomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 11496-11504.	13.7	141
7	N-confused calix[4]pyrroles. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2929-2938.	18.8	136
8	Simple Electrooptical Sensors for Inorganic Anions. <i>Organic Letters</i> , 2005, 7, 5027-5030.	4.6	131
9	Simple Molecule-Based Fluorescent Sensors for Vapor Detection of TNT. <i>Organic Letters</i> , 2008, 10, 3681-3684.	4.6	121
10	Benzothiadiazoles and Dipyrrolyl Quinoxalines with Extended Conjugated Chromophores and Anion Sensors. <i>Chemistry of Materials</i> , 2005, 17, 5238-5241.	6.7	117
11	Fluorescence Sensor Array for Metal Ion Detection Based on Various Coordination Chemistries: General Performance and Potential Application. <i>Analytical Chemistry</i> , 2008, 80, 7451-7459.	6.5	114
12	Polymer nanofibre junctions of attolitre volume serve as zeptomole-scale chemical reactors. <i>Nature Chemistry</i> , 2009, 1, 80-86.	13.6	89
13	Hydroxyquinolines with extended fluorophores: arrays for turn-on and ratiometric sensing of cations. <i>Chemical Communications</i> , 2007, , 3708.	4.1	64
14	Leveraging Material Properties in Fluorescence Anion Sensor Arrays: A General Approach. <i>Chemistry - A European Journal</i> , 2013, 19, 8497-8506.	3.3	60
15	Iptycene-Based Fluorescent Sensors for Nitroaromatics and TNT. <i>Chemistry - A European Journal</i> , 2012, 18, 12712-12718.	3.3	59
16	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
17	Ultrafast Energy Transfer in Oligofluorene-Aluminum Bis(8-hydroxyquinoline)acetylacetonate Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 1787-1795.	13.7	53
18	The power of the weak: recognition of ion pairs in water using a simple array sensor. <i>Chemical Communications</i> , 2010, 46, 1860-1862.	4.1	44

#	ARTICLE	IF	CITATIONS
19	Harnessing a Ratiometric Fluorescence Output from a Sensor Array. <i>Chemistry - A European Journal</i> , 2008, 14, 8540-8546.	3.3	39
20	InfoBiology by printed arrays of microorganism colonies for timed and on-demand release of messages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16510-16514.	7.1	31
21	Assessing the Stochastic Intermittency of Single Quantum Dot Luminescence for Robust Quantification of Biomolecules. <i>Analytical Chemistry</i> , 2013, 85, 6639-6645.	6.5	9
22	Measuring Atomic Emission from Beacons for Long-Distance Chemical Signaling. <i>Analytical Chemistry</i> , 2013, 85, 8933-8936.	6.5	1
23	Robust error correction in infofuses. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 361-377.	2.1	0
24	Titelbild: Toward Wearable Sensors: Fluorescent Attoreactor Mats as Optically Encoded Cross-Reactive Sensor Arrays (<i>Angew. Chem.</i> 10/2012). <i>Angewandte Chemie</i> , 2012, 124, 2301-2301.	2.0	0