

Chih-Hsin Chen

List of Publications by Year in descending order

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46
papers

1,598
citations

394421

19
h-index

289244

40
g-index

49
all docs

49
docs citations

49
times ranked

1995
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzimidazole/Amine-Based Compounds Capable of Ambipolar Transport for Application in Single-Layer Blue-Emitting OLEDs and as Hosts for Phosphorescent Emitters. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 581-585.	13.8	270
2	Versatile, Benzimidazole/Amine-Based Ambipolar Compounds for Electroluminescent Applications: Single-Layer, Blue, Fluorescent OLEDs, Hosts for Single-Layer, Phosphorescent OLEDs. <i>Advanced Functional Materials</i> , 2009, 19, 2661-2670.	14.9	183
3	Dipolar Compounds Containing Fluorene and a Heteroaromatic Ring as the Conjugating Bridge for High-Performance Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2010, 16, 3184-3193.	3.3	124
4	Graphene/liquid crystal based terahertz phase shifters. <i>Optics Express</i> , 2013, 21, 21395.	3.4	84
5	Ligand-Doped Liquid Crystal Sensor System for Detecting Mercuric Ion in Aqueous Solutions. <i>Analytical Chemistry</i> , 2015, 87, 4546-4551.	6.5	70
6	Cyclometalated Platinum(II) Complexes of Lepidine-Based Ligands as Highly Efficient Electrophosphors. <i>Organometallics</i> , 2010, 29, 3912-3921.	2.3	67
7	Crystal Engineering for π - π Stacking via Interaction between Electron-Rich and Electron-Deficient Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2008, 73, 4608-4614.	3.2	64
8	A liquid crystal biosensor for detecting organophosphates through the localized pH changes induced by their hydrolytic products. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 368-374.	7.8	59
9	Detection and Quantification of DNA Adsorbed on Solid Surfaces by Using Liquid Crystals. <i>Langmuir</i> , 2010, 26, 1427-1430.	3.5	55
10	Nonconjugated Red-Emitting Dendrimers with p-Type and/or n-Type Peripheries. <i>Organic Letters</i> , 2006, 8, 2233-2236.	4.6	42
11	Oligopeptide-decorated liquid crystal droplets for detecting proteases. <i>Chemical Communications</i> , 2014, 50, 12162-12165.	4.1	40
12	Liquid crystal-based immunoassays for detecting hepatitis B antibody. <i>Analytical Biochemistry</i> , 2012, 421, 321-323.	2.4	37
13	Detecting hydrogen sulfide by using transparent polymer with embedded CdSe/CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 535-538.	7.8	35
14	Detecting trypsin at liquid crystal/aqueous interface by using surface-immobilized bovine serum albumin. <i>Biosensors and Bioelectronics</i> , 2016, 78, 213-220.	10.1	34
15	Synthesis, structure and electroluminescent properties of cyclometalated iridium complexes possessing sterically hindered ligands. <i>Dalton Transactions</i> , 2007, , 3025.	3.3	32
16	Carbazole/Benzimidazole-Based Bipolar Molecules as the Hosts for Phosphorescent and Thermally Activated Delayed Fluorescence Emitters for Efficient OLEDs. <i>ACS Omega</i> , 2020, 5, 10553-10561.	3.5	25
17	Thienoisindigo-Based Dopant-Free Hole Transporting Material for Efficient p - i - n Perovskite Solar Cells with the Grain Size in Micrometer Scale. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1602-1609.	3.1	24
18	Single molecule color controllable light emitting organic field effect transistors for white light emission with high color stability. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	22

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19	Stilbene like carbazole dimer-based electroluminescent materials. <i>Tetrahedron</i> , 2006, 62, 8564-8570.	1.9	19
20	Rational design of cost-effective dyes for high performance dye-sensitized cells in indoor light environments. <i>Organic Electronics</i> , 2018, 59, 69-76.	2.6	19
21	High efficiency blue light emitting unipolar transistor incorporating multifunctional electrodes. <i>Applied Physics Letters</i> , 2009, 94, 153307.	3.3	17
22	Enhancing the Fluorescence Intensity of DNA Microarrays by Using Cationic Surfactants. <i>Langmuir</i> , 2011, 27, 5659-5664.	3.5	17
23	Highly sensitive distance-based liquid crystalline visualization for paper-based analytical devices. <i>Analytica Chimica Acta</i> , 2021, 1154, 338328.	5.4	17
24	Development of a novel liquid crystal Aptasensing platform using P-shape molecular switch. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113882.	10.1	17
25	Improving Protein Transfer Efficiency and Selectivity in Affinity Contact Printing by Using UV-Modified Surfaces. <i>Langmuir</i> , 2011, 27, 5427-5432.	3.5	15
26	Continuous monitoring of pH level in flow aqueous system by using liquid crystal-based sensor device. <i>Microchemical Journal</i> , 2018, 139, 339-346.	4.5	14
27	Functional protease assay using liquid crystals as a signal reporter. <i>Biosensors and Bioelectronics</i> , 2012, 35, 174-179.	10.1	13
28	Oligopeptide immobilization strategy for improving stability and sensitivity of liquid-crystal protease assays. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 734-740.	7.8	12
29	Using Diazotization Reaction to Develop Portable Liquid-Crystal-Based Sensors for Nitrite Detection. <i>ACS Omega</i> , 2020, 5, 11809-11816.	3.5	11
30	Liquid crystal-based sensor system for detecting formaldehyde in aqueous solutions. <i>Microchemical Journal</i> , 2020, 158, 105235.	4.5	11
31	A rapid and highly sensitive paper-based colorimetric device for the on-site screening of ammonia gas. <i>Analyst, The</i> , 2021, 146, 2919-2927.	3.5	10
32	Enhancing the signal contrast ratio and stability of liquid crystal-based sensors by using fine grids made by photolithography of photoresists. <i>Analyst, The</i> , 2021, 146, 3834-3840.	3.5	10
33	A phosphorescent OLED with an efficiency roll-off lower than 1% at 10^4 cd m ⁻² achieved by reducing the carrier mobility of the donors in an exciplex co-host system. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4955-4964.	5.5	10
34	Tetrasubstituted-pyrene derivatives for electroluminescent application. <i>Organic Electronics</i> , 2014, 15, 2148-2157.	2.6	9
35	Agarose dispersed liquid crystals as a soft sensing platform for detecting mercuric ions in water. <i>Research on Chemical Intermediates</i> , 2019, 45, 5409-5423.	2.7	8
36	Structural effect of phenylcarbazole-based molecules on the exciplex-forming co-host system to achieve highly efficient phosphorescent OLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9453-9464.	5.5	8

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37	Synthesis and stability study of isocyano aryl boronate esters and their synthetic applications. RSC Advances, 2016, 6, 30362-30371.	3.6	7
38	Developing liquid crystal-based immunoassay for melamine detection. Research on Chemical Intermediates, 2019, 45, 91-102.	2.7	7
39	Liquid crystal-based immunoassay for detecting human serum albumin. Research on Chemical Intermediates, 2014, 40, 2229-2236.	2.7	6
40	Fishing DNA targets in DNA solutions by using affinity microcontact printing. Analyst, The, 2011, 136, 733-739.	3.5	5
41	Novel thienoisindigo-based dyes for near-infrared organic photovoltaics - A combination of theoretical and experimental study. Organic Electronics, 2017, 51, 410-421.	2.6	5
42	Quantitative analysis of liquid crystal-based immunoassay using rectangular capillaries as sensing platform. Optics Express, 2019, 27, 17080.	3.4	5
43	Organic Electroluminescent Bis(diarylamino) Dibenzofuran Derivatives. Journal of the Chinese Chemical Society, 2006, 53, 1317-1324.	1.4	4
44	Detection of okadaic acid using a liquid crystal-based aptasensor by exploiting the signal enhancement effect of gold nanoparticles. Biosensors and Bioelectronics: X, 2022, 11, 100148.	1.7	2
45	Vacuum deposited WO ₃ /Al/Al:Ag anode for efficient red organic light-emitting diodes. Organic Electronics, 2022, 103, 106454.	2.6	1
46	Immobilized Oligopeptide Microarrays for Detecting Proteases. , 2012, , .		0