

ChÃ©rif Dridi

List of Publications by Year in descending order

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394421

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all docs

55
docs citations

55
times ranked

1502
citing authors

#	ARTICLE	IF	CITATIONS
1	VOCs Identification Method Based on One Single ZnTTP Sensor. IEEE Sensors Journal, 2022, 22, 671-677.	4.7	7
2	Development of an electrochemical nanoplatform for non-enzymatic glucose sensing based on Cu/ZnO nanocomposite. Materials Chemistry and Physics, 2022, 280, 125844.	4.0	12
3	Development of a sustainable nanosensor using green Cu nanoparticles for simultaneous determination of antibiotics in drinking water. Analytical Methods, 2022, 14, 2014-2025.	2.7	8
4	Development of highly sensitive and selective bisphenol A sensor based on a cobalt phthalocyanine-modified carbon paste electrode: application in dairy analysis. Analytical Methods, 2021, 13, 4674-4682.	2.7	3
5	Development of an impedimetric sensor based on carbon dots and chitosan nanocomposite modified electrode for Cu(II) detection in water. Journal of Solid State Electrochemistry, 2021, 25, 1797-1806.	2.5	10
6	Prism coupling technique investigation of optical and thermo-optical properties of polyvinyl alcohol and polyvinyl alcohol/silica nanocomposite films. Optics Communications, 2021, 492, 126984.	2.1	13
7	Development of a new highly sensitive serotonin sensor based on green synthesized silver nanoparticle decorated reduced graphene oxide. Analytical Methods, 2021, 13, 5187-5194.	2.7	9
8	The improvement of UV photodetection based on polymer/ZnO nanorod heterojunctions. Organic Electronics, 2020, 77, 105545.	2.6	28
9	High power density supercapacitor devices based on nickel foam ^{coated} rGO/MnCo ₂ O ₄ nanocomposites. Ionics, 2020, 26, 5725-5735.	2.4	22
10	Development of a new bisphenol A electrochemical sensor based on a cadmium(ⁱⁱ) porphyrin modified carbon paste electrode. RSC Advances, 2020, 10, 31740-31747.	3.6	15
11	MOONGA: Multi-Objective Optimization of Wireless Network Approach Based on Genetic Algorithm. IEEE Access, 2020, 8, 105793-105814.	4.2	27
12	Green synthesis of silver nanoparticles using Melia azedarach leaf extract and their antifungal activities: In vitro and in vivo. Materials Chemistry and Physics, 2020, 248, 122898.	4.0	177
13	Highly sensitive paper-based electrochemical sensor for reagent free detection of bisphenol A. Talanta, 2020, 216, 120924.	5.5	79
14	ZnTTP electrical properties and application in humidity sensor development. Superlattices and Microstructures, 2020, 140, 106462.	3.1	8
15	Non-isothermal crystallization kinetics of hybrid carbon nanotube - silica/ polyvinyl alcohol Nanocomposites. Journal of Polymer Research, 2019, 26, 1.	2.4	4
16	Synthesis characterization, optical and electrical properties of polyvinyl alcohol/multi-walled carbon nanotube nanocomposites: A composition dependence study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 243, 125-130.	3.5	28
17	NMR Implantable Microcoil FEM Based Comparative Study for Numerical Brain Model Application. , 2019, , .		0
18	Development of an organic resistive-type humidity sensor. , 2019, , .		1

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19	New modeling method for UV sensor photoelectrical parameters extraction. <i>Optik</i> , 2019, 181, 906-913.	2.9	7
20	A Highly Sensitive Miniaturized Impedimetric Perchlorate Chemical Sensor. <i>IEEE Sensors Journal</i> , 2018, 18, 1343-1350.	4.7	9
21	Development of a Perchlorate Chemical Sensor Based on Magnetic Nanoparticles and Silicon Nitride Capacitive Transducer. <i>Electroanalysis</i> , 2018, 30, 901-909.	2.9	9
22	Preparation and characterization of a poly (1, 4-phenylenevinylene) derivative-based hybrid thin film nanocomposites with enhanced performance. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 116, 15-21.	4.0	2
23	A novel amperometric enzyme inhibition biosensor based on xanthine oxidase immobilised onto glassy carbon electrodes for bisphenol A determination. <i>Talanta</i> , 2018, 184, 388-393.	5.5	26
24	PPV derivative/ZnO nanorods heterojunction: Fabrication, Characterization and Near-UV light sensor development. <i>Materials Research Bulletin</i> , 2018, 106, 28-34.	5.2	15
25	Ultrasound assisted magnetic imprinted polymer combined sensor based on carbon black and gold nanoparticles for selective and sensitive electrochemical detection of Bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 304-312.	7.8	124
26	Surface morphology evolution with fabrication parameters of ZnO nanowires toward emission properties enhancement. <i>Physica B: Condensed Matter</i> , 2017, 526, 64-70.	2.7	7
27	Correlation between composition, morphology and optical properties of PVK:n-ZnO:CTAB thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	5
28	Electrochemical sensor based on multiwalled carbon nanotube and gold nanoparticle modified electrode for the sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 513-522.	7.8	192
29	Study of ZnO nanoparticles based hybrid nanocomposites for optoelectronic applications. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	32
30	Highly sensitive amperometric enzyme biosensor for detection of superoxide based on conducting polymer/CNT modified electrodes and superoxide dismutase. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 574-582.	7.8	65
31	Citrate-selective electrochemical $I^{1/4}$ -sensor for early stage detection of prostate cancer. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 335-346.	7.8	19
32	Investigation of structural, optical and electrical properties of a new cobalt phthalocyanine thin films with potential applications in perchlorate sensor. <i>Synthetic Metals</i> , 2015, 209, 135-142.	3.9	17
33	Development of a perchlorate sensor based on Co-phthalocyanine derivative by impedance spectroscopy measurements. <i>Organic Electronics</i> , 2015, 16, 77-86.	2.6	26
34	PFE: ZnO hybrid nanocomposites for OLED applications: Fabrication and photophysical properties. <i>Journal of Luminescence</i> , 2015, 157, 53-57.	3.1	16
35	Development of a capacitive chemical sensor based on Co(II)-phthalocyanine acrylate-polymer/HfO ₂ /SiO ₂ for detection of perchlorate. <i>Journal of Sensors and Sensor Systems</i> , 2015, 4, 17-23.	3.9	12
36	Correlation between nanostructural, optical, and photoelectrical properties of P3HT/SiNW nanocomposites for solar cell application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 670-676.	1.8	5

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37	Site-binding model as a basis for numerical evaluation of analytical parameters of capacitance-biosensors for formaldehyde and methylamine detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 824-830.	7.8	12
38	Study of charge transport in P3HT:SiNW-based photovoltaic devices. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 99-106.	2.3	12
39	Optical and electrical properties of semi-conducting calix[5,9]arene thin films with potential applications in organic electronics. <i>Semiconductor Science and Technology</i> , 2009, 24, 105007.	2.0	29
40	Nanostructural, optical and electrical properties of vacuum evaporated films of an azo-calix[4]arene derivative. <i>Vacuum</i> , 2009, 83, 883-888.	3.5	6
41	Electrical and optical study on modified Thiocalix(4)arene sensing molecules: Application to Hg ²⁺ ion detection. <i>Materials Science and Engineering C</i> , 2008, 28, 765-770.	7.3	16
42	Investigation of exciton photodissociation, charge transport and photovoltaic response of poly(N-vinyl carbazole):TiO ₂ nanocomposites for solar cell applications. <i>Nanotechnology</i> , 2008, 19, 375201.	2.6	39
43	Transport mechanism and trap distribution in ITO/azo-calix[4]arene derivative/Al diode structure. <i>Physica B: Condensed Matter</i> , 2007, 399, 109-115.	2.7	18
44	Electrical and sensing properties of partially benzylated β -cyclodextrin: Effect of benzyl chain length. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 91-96.	7.8	7
45	Optical spectroscopy studies of the complexation of chromogenic azo-calix[4]arene with Eu ³⁺ , Ag ⁺ and Cu ²⁺ ions. <i>Materials Science and Engineering C</i> , 2006, 26, 247-252.	7.3	23
46	Optical and electrical study of chromogenic calix[4]arene derivatives. <i>Materials Science and Engineering C</i> , 2006, 26, 240-246.	7.3	17
47	Spectroscopic investigations on hybrid nanocomposites: CdS:Mn nanocrystals in a conjugated polymer. <i>Materials Science and Engineering C</i> , 2006, 26, 415-420.	7.3	12
48	Electrical properties of ITO/benzylated cyclodextrins (β -CDs (Bz))/Al diode structures. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 772-779.	6.1	16
49	Comparison study of evaporated thiocalix[4]arene thin films on gold substrates as copper ion sensing. <i>Thin Solid Films</i> , 2006, 495, 368-371.	1.8	28
50	Electrical characterisation of calixarene-sensitive spin-coated layers. <i>Materials Science and Engineering C</i> , 2004, 24, 491-495.	7.3	21
51	Study of organic thin film transistors based on nickel phthalocyanine: effect of annealing. <i>Thin Solid Films</i> , 2003, 427, 371-376.	1.8	44
52	The effect of synthesis procedure on physical properties of poly(p-phenylene vinylene) derivatives. <i>European Polymer Journal</i> , 2001, 37, 683-690.	5.4	8
53	Electrochemical synthesis of a polyphenylene deriving from p-methoxytoluene. <i>European Polymer Journal</i> , 2000, 36, 909-914.	5.4	17
54	Structural and electronic properties of poly(meta/para phenylene). <i>Synthetic Metals</i> , 2000, 115, 97-101.	3.9	9

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55	Synthesis and characterization of a conducting copolymer. Synthetic Metals, 1997, 90, 233-237.	3.9	52