

ChÃ©rif Dridi

List of Publications by Year in descending order

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55
papers

1,425
citations

394421

19
h-index

345221

36
g-index

55
all docs

55
docs citations

55
times ranked

1502
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Green synthesis of silver nanoparticles using <i>Melia azedarach</i> leaf extract and their antifungal activities: In vitro and in vivo. <i>Materials Chemistry and Physics</i> , 2020, 248, 122898.	4.0	177
3	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
4	Highly sensitive paper-based electrochemical sensor for reagent free detection of bisphenol A. <i>Talanta</i> , 2020, 216, 120924.	5.5	79
5	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
6	Synthesis and characterization of a conducting copolymer. <i>Synthetic Metals</i> , 1997, 90, 233-237.	3.9	52
7	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
8	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
9	Study of ZnO nanoparticles based hybrid nanocomposites for optoelectronic applications. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	32
10	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
11	Comparison study of evaporated thiacalix[4]arene thin films on gold substrates as copper ion sensing. <i>Thin Solid Films</i> , 2006, 495, 368-371.	1.8	28
12	Synthesis characterization, optical and electrical properties of polyvinyl alcohol/multi-walled carbon nanotube nanocomposites: A composition dependence study. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 243, 125-130.	3.5	28
13	The improvement of UV photodetection based on polymer/ZnO nanorod heterojunctions. <i>Organic Electronics</i> , 2020, 77, 105545.	2.6	28
14	MOONGA: Multi-Objective Optimization of Wireless Network Approach Based on Genetic Algorithm. <i>IEEE Access</i> , 2020, 8, 105793-105814.	4.2	27
15	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
16	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
17	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
18	High power density supercapacitor devices based on nickel foam-coated rGO/MnCo ₂ O ₄ nanocomposites. <i>Ionics</i> , 2020, 26, 5725-5735.	2.4	22

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19	Electrical characterisation of calixarene-sensitive spin-coated layers. <i>Materials Science and Engineering C</i> , 2004, 24, 491-495.	7.3	21
20	Citrate-selective electrochemical $\text{I}^{1/4}$ -sensor for early stage detection of prostate cancer. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 335-346.	7.8	19
21	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
22	Electrochemical synthesis of a polyphenylene deriving from p-methoxytoluene. <i>European Polymer Journal</i> , 2000, 36, 909-914.	5.4	17
23	Optical and electrical study of chromogenic calix[4]arene derivatives. <i>Materials Science and Engineering C</i> , 2006, 26, 240-246.	7.3	17
24	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
25	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
26	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
27	PFE: ZnO hybrid nanocomposites for OLED applications: Fabrication and photophysical properties. <i>Journal of Luminescence</i> , 2015, 157, 53-57.	3.1	16
28	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
29	Development of a new bisphenol A electrochemical sensor based on a cadmium(II) porphyrin modified carbon paste electrode. <i>RSC Advances</i> , 2020, 10, 31740-31747.	3.6	15
30	Prism coupling technique investigation of optical and thermo-optical properties of polyvinyl alcohol and polyvinyl alcohol/silica nanocomposite films. <i>Optics Communications</i> , 2021, 492, 126984.	2.1	13
31	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
32	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
33	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
34	Development of a capacitive chemical sensor based on Co(II)-phthalocyanine acrylate-polymer/ $\text{HfO}_2/\text{SiO}_2$ for detection of perchlorate. <i>Journal of Sensors and Sensor Systems</i> , 2015, 4, 17-23.	3.9	12
35	Development of an electrochemical nanoplatfrom for non-enzymatic glucose sensing based on Cu/ZnO nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 280, 125844.	4.0	12
36	Development of an impedimetric sensor based on carbon dots and chitosan nanocomposite modified electrode for Cu(II) detection in water. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1797-1806.	2.5	10

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37	Structural and electronic properties of poly(meta/para phenylene). <i>Synthetic Metals</i> , 2000, 115, 97-101.	3.9	9
38	A Highly Sensitive Miniaturized Impedimetric Perchlorate Chemical Sensor. <i>IEEE Sensors Journal</i> , 2018, 18, 1343-1350.	4.7	9
39	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
40	Development of a new highly sensitive serotonin sensor based on green synthesized silver nanoparticle decorated reduced graphene oxide. <i>Analytical Methods</i> , 2021, 13, 5187-5194.	2.7	9
41	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
42	ZnTTP electrical properties and application in humidity sensor development. <i>Superlattices and Microstructures</i> , 2020, 140, 106462.	3.1	8
43	Development of a sustainable nanosensor using green Cu nanoparticles for simultaneous determination of antibiotics in drinking water. <i>Analytical Methods</i> , 2022, 14, 2014-2025.	2.7	8
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	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
46	New modeling method for UV sensor photoelectrical parameters extraction. <i>Optik</i> , 2019, 181, 906-913.	2.9	7
47	VOCs Identification Method Based on One Single ZnTTP Sensor. <i>IEEE Sensors Journal</i> , 2022, 22, 671-677.	4.7	7
48	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
49	Correlation between nanostructural, optical, and photoelectrical properties of P3<sc>HT</sc><sc>S</sc>i<sc>NW</sc> nanocomposites for solarâ€cell application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 670-676.	1.8	5
50	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
51	Non-isothermal crystallization kinetics of hybrid carbon nanotube - silica/ polyvinyl alcohol Nanocomposites. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	4
52	Development of highly sensitive and selective bisphenol A sensor based on a cobalt phthalocyanine-modified carbon paste electrode: application in dairy analysis. <i>Analytical Methods</i> , 2021, 13, 4674-4682.	2.7	3
53	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
54	Development of an organic resistive-type humidity sensor. , 2019, , .		1

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55	NMR Implantable Microcoil FEM Based Comparative Study for Numerical Brain Model Application. , 2019, , .		0