M S Attia

List of Publications by Year
in descending order

		186265	361022
88	1,529	28	35
papers	citations	h-index	g-index

91	91	91	1114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging advances and current applications of nanoMOF-based membranes for water treatment. Chemosphere, 2022, 292, 133369.	8.2	13
2	A highly selective and sensitive spectrofluorimetric method for the assessment of 3-nitrotyrosine in serum using (Eu(TTA)3Phen) photo probe. RSC Advances, 2022, 12, 4536-4542.	3.6	0
3	Electrocatalytic hydrogen generation using tripod containing pyrazolylborate-based copper(<scp>ii</scp>), nickel(<scp>ii</scp>), and iron(<scp>iii</scp>) complexes loaded on a glassy carbon electrode. RSC Advances, 2022, 12, 8030-8042.	3.6	3
4	A new method for early diagnosis of liver cancer using a biosensor embedded in an alginate polymer thin film. Journal of Materials Chemistry C, 2022, 10, 6464-6472.	5.5	6
5	Cathodic Activation of Titania-Fly Ash Cenospheres for Efficient Electrochemical Hydrogen Production: A Proposed Solution to Treat Fly Ash Waste. Catalysts, 2022, 12, 466.	3.5	2
6	A stable and sensitive luminescent photoprobe based on tris(3â€acetylindole) terbium(III) complex: Molecular modeling, luminescence quenching, and Ab initio molecular dynamics. Applied Organometallic Chemistry, 2021, 35, e6115.	3.5	1
7	Investigation of thermal annealing effect on the microstructure, morphology, linear and non-linear optical properties of spray deposited nanosized V2O5 thin films. Optik, 2021, 227, 165979.	2.9	34
8	pH assists simultaneous determination of folic acid and vitamin D₃in biological fluids using a novel Tb³⁺â€“acyclovir optical biosensor. RSC Advances, 2021, 11, 20865-20873.	3.6	4
9	Recent innovations in properties of nanostructured glasses and composites. Journal of Experimental Nanoscience, 2021, 16, 180-211.	2.4	5
10	Simultaneous determination of Avanafil and Dapoxetine in human plasma using liquid chromatography/tandem mass spectrometry (LC-MS/MS) based on a protein precipitation technique. RSC Advances, 2021, 11, 29797-29806.	3.6	5
11	Chapter 18. Cellulose Nanoparticle-based Advanced Materials for Optical Sensors Technology and Applications. , 2021, , 387-413.		0
12	Combined Experimental and DFT-TDDFT Characterization Studies of Crystalline Mesoporous-Assembled [ZrO2]NPs and [DPPPâ€‰+â€‰Gly/ZrO2]C Nanocomposite Thin Film. Electronic Materials Letters, 2021, 17, 188-206.	2.2	14
13	Validation of a novel UPLC-MS/MS method for estimation of metformin and empagliflozin simultaneously in human plasma using freezing lipid precipitation approach and its application to pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis, 2021, 200, 114078.	2.8	9
14	Effect of implanted copper into 1ÂĨ¼m cadmium telluride thick film by heat treatment for optoelectronics: Structural, optical, and electrical properties. International Journal of Energy Research, 2021, 45, 20258-20269.	4.5	11
15	Novel Optical Biosensor Based on a Nano-Gold Coated by Schiff Base Doped in Sol/Gel Matrix for Sensitive Screening of Oncomarker CA-125. ACS Omega, 2021, 6, 20812-20821.	3.5	19
16	Kinetics and isotherms of lead ions removal from wastewater using modified corncob nanocomposite. Inorganic Chemistry Communication, 2021, 130, 108742.	3.9	9
17	Adsorption of thallium from wastewater using disparate nano-based materials: A systematic review. Arabian Journal of Chemistry, 2021, 14, 103382.	4.9	17
18	Tb³⁺â€“atorvastatin doped in poly(ethylene glycol) optical biosensor for selective determination of progesterone and testosterone in serum samples. RSC Advances, 2021, 11, 33326-33333.	3.6	1

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19	New Tb3+â€“simvastatin optical biosensor for sensitive determination of folic acid, progesterone, testosterone and vitamin D3 in biological fluids. RSC Advances, 2021, 11, 32861-32872.	3.6	1
20	Core double-shell MnFe2O4@rGO@TiO2 superparamagnetic photocatalyst for wastewater treatment under solar light. Chemical Engineering Journal, 2020, 382, 122936.	12.7	48
21	Electronic Polarizability, Optical Basicity, Thermal, Mechanical and Optical Investigations of (65B2O3â€“30Li2Oâ€“5Al2O3) Glasses Doped with Titanate. Journal of Electronic Materials, 2020, 49, 2040-2049.	2.2	52
22	Investigation of Crystallization and Mechanical Characteristics of Glass and Glass-Ceramic with the Compositions xFe2O3-35SiO2-35B2O3-10Al2O3-(20â^'x) Na2O. Journal of Materials Engineering and Performance, 2020, 29, 4549-4558.	2.5	49
23	Mechanical, Structural and Crystallization Properties in Titanate Doped Phosphate Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4655-4663.	3.7	62
24	Highly Efficient Gold Nano-Flower Optical Biosensor Doped in a Solâ€“Gel/PEG Matrix for the Determination of a Calcitonin Biomarker in Different Serum Samples. ACS Omega, 2020, 5, 5629-5637.	3.5	20
25	Electronic polarizability, optical basicity and mechanical properties of aluminum lead phosphate glasses. Optical and Quantum Electronics, 2020, 52, 1.	3.3	50
26	Terbium Crownâ€Ether Complex as a Stable Photoprobe. Applied Organometallic Chemistry, 2020, 34, e5420.	3.5	2
27	Highly Selective Optical Sensor Eu (TTA)3 Phen Embedded in Poly Methylmethacrylate for Assessment of Total Prostate Specific Antigen Tumor Marker in Male Serum Suffering Prostate Diseases. Frontiers in Chemistry, 2020, 8, 561052.	3.6	2
28	A novel photoprobe based on nano tris(3-acetylindole)-terbium(III) complex for the quantitative determination of epinephrine in blood samples. Egyptian Journal of Chemistry, 2020, .	0.2	0
29	pH assists for selective determination of Acyclovir by the Emission Enhancement of Tb3+Chemosensor in tablet and serum samples. Egyptian Journal of Chemistry, 2020, .	0.2	0
30	Phthalocyanine-doped polystyrene fluorescent nanocomposite as a highly selective biosensor for quantitative determination of cancer antigen 125. Talanta, 2019, 201, 185-193.	5.5	41
31	Determination of uric acid in serum using an optical sensor based on binuclear Pd(II) 2-pyrazinecarboxamide-bipyridine doped in a sol gel matrix. Talanta, 2019, 199, 89-96.	5.5	16
32	Dilute magnetic semiconductor of ZnCoSe thin films: Structural, optical, and magnetic characteristics. Journal of the American Ceramic Society, 2019, 102, 4067-4081.	3.8	17
33	Spectrofluorometric Determination of Alpha Fetoprotein in different serum samples of Liver Cancer by Tb-acetyl acetone complex embedded in Polymethylmethacrylate optical sensor. Egyptian Journal of Chemistry, 2019, .	0.2	0
34	Alpha fetoprotein assessment by using a nano optical sensor thin film binuclear Pt-2-aminobenzimidazole-Bipyridine for early diagnosis of liver cancer. Talanta, 2018, 186, 36-43.	5.5	30
35	Lanthanide complexes of spiropyran photoswitch and sensor: spectroscopic investigations and computational modelling. Photochemical and Photobiological Sciences, 2018, 17, 221-230.	2.9	20
36	Nano-optical Biosensors for Assessment of Food Contaminants. Springer Series on Polymer and Composite Materials, 2018, , 1-23.	0.7	3

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37	Tb -4'carboxybenzo-18crown-6-ether Photo Probe or the Assessment of Nalbuphin HCl in Serum and Pharmaceutical Formulations. Egyptian Journal of Chemistry, 2018, .	0.2	0
38	Nano optical probe samarium tetracycline complex for early diagnosis of histidinemia in new born children. Biosensors and Bioelectronics, 2017, 94, 81-86.	10.1	27
39	Ultra-Sensitive Nano Optical Sensor Samarium-Doxycycline Doped in Sol Gel Matrix for Assessment of Glucose Oxidase Activity in Diabetics Disease. Journal of Fluorescence, 2017, 27, 1885-1895.	2.5	2
40	A New Nano Optical Sensor Binuclear Pd(II) Complex in and Its Application in Different Liver Diseases. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4361-4369.	0.4	1
41	A Fast and Simple Method for Determination of Testosterone Hormone in Biological Fluids Based on a New Eu(III) Complex Optical Sensor. Sensor Letters, 2017, 15, 977-981.	0.4	16
42	Preparation of New Nano Optical Sensor Thin Film for Early Diagnosis of Some Liver Diseases. Journal of Computational and Theoretical Nanoscience, 2017, 14, 1886-1897.	0.4	0
43	Gatifloxacin assessment by the Enhancement of the Green Emission of Optical Sensor Tb3+ Doped In Sol-Gel Matrix. Egyptian Journal of Chemistry, 2017, .	0.2	0
44	Highly sensitive Eu3+ doped in sol-gel matrix optical sensor for the assessment of Ciprofloxacin in different real samples. Egyptian Journal of Chemistry, 2017, .	0.2	1
45	Enhancement of the efficiency of a salivary alpha amylase biomarker for the sympathetic nervous system by a nano-optical sensor Tbâ€“acetyl acetone complex. New Journal of Chemistry, 2016, 40, 7529-7535.	2.8	1
46	Progress of pancreatitis disease biomarker alpha amylase enzyme by new nano optical sensor. Biosensors and Bioelectronics, 2016, 86, 413-419.	10.1	30
47	Highly sensitive spectrofluorimetric analysis and Molecular Docking using benzocoumarin hydrazide derivative doped in sol-gel matrix as optical sensor. Sensors and Actuators B: Chemical, 2016, 232, 642-652.	7.8	9
48	Nano optical sensor binuclear Pt-2-pyrazinecarboxylic acid â€“bipyridine for enhancement of the efficiency of 3-nitrotyrosine biomarker for early diagnosis of liver cirrhosis with minimal hepatic encephalopathy. Biosensors and Bioelectronics, 2016, 86, 406-412.	10.1	35
49	Assessment of corrosion damage acceptance criteria in API579-ASME/1 code. International Journal of Mechanics and Materials in Design, 2016, 12, 141-151.	3.0	8
50	Novel method for tyrosine assessment in vitro using luminescence quenching of the nano optical sensor Euâ€“ciprofloxacin doped in a solâ€“gel matrix. RSC Advances, 2016, 6, 20467-20474.	3.6	4
51	Synthesis, spectroscopic characterization of palladium(II)-orthohydroxyacetophenone azine nano-optical sensor doped in solâ€“gel matrix and its use as probe for assessment of Î± -amylase activity in human saliva. Journal of Luminescence, 2016, 169, 99-105.	3.1	3
52	Spectroflourimetric assessment of UO 2 2+ by the quenching of the fluorescence intensity of Clopidogrel embedded in PMMA matrix. Journal of Luminescence, 2016, 169, 313-318.	3.1	28
53	Inkjet Printable Luminescent Eu3+-TiO2 Doped in Sol Gel Matrix for Paper Tagging. Journal of Fluorescence, 2015, 25, 119-125.	2.5	16
54	A new thin film optical sensor for assessment of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0013.gif" overflow="scroll"><mml:msubsup><mml:mi>UO</mml:mi><mml:mn>2</mml:mn><mml:mrow><mml:mn>2</mml:mn><mml:mn><mml:mo>+</m based on the fluorescence quenching of Trimetazidine doped in sol gel matrix. Journal of Luminescence, 2015, 165, 179-184.	3.1	17

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55	Diagnosis of some diseases related to the histidine level in human serum by using the nano optical sensor Euâ€“Norfloxacine complex. Sensors and Actuators B: Chemical, 2015, 207, 756-763.	7.8	25
56	Study of the optical feedback-induced noise in semiconductor lasers and applications to the optic disc system. Physics of Wave Phenomena, 2014, 22, 61-68.	1.1	1
57	Synthesis and Characterization of New Light Emitter Symmetrical Phenoxazinium Salt and Its Potential Application as Sensor for Assessment of Hg2+. Journal of Fluorescence, 2014, 24, 759-65.	2.5	4
58	Enrofloxacin Assessment by the Enhancement of the Red Emission of Eu³⁺Optical Sensor. Analytical Chemistry Letters, 2014, 4, 65-72.	1.0	1
59	A Novel Method for the Assessment of Cortisol Hormone in Different Body Fluids Using A New Photo Probe Thiazole Derivative. Journal of Fluorescence, 2014, 24, 337-344.	2.5	12
60	Uranyl ions adsorption by novel metal hydroxides loaded Amberlite IR120. Journal of Environmental Radioactivity, 2014, 134, 99-108.	1.7	38
61	A new nano-optical sensor thin film cadmium sulfide doped in solâ€“gel matrix for assessment of Î±-amylase activity in human saliva. Analyst, The, 2014, 139, 793-800.	3.5	41
62	Durable diagnosis of seminal vesicle and sexual gland diseases using the nano optical sensor thin film Sm-doxycycline complex. Analytica Chimica Acta, 2014, 835, 56-64.	5.4	30
63	Modified Amberlite IR120 by Magnetic Nano Iron-Oxide for Uranium Removal. Analytical Chemistry Letters, 2013, 3, 46-64.	1.0	3
64	Novel application of pyronin Y fluorophore as high sensitive optical sensor of glucose in human serum. Talanta, 2013, 107, 18-24.	5.5	39
65	A novel method for tyrosine assessment in vitro by using fluorescence enhancement of the ion-pair tyrosine-neutral red dye photo probe. Analytical Methods, 2012, 4, 2323.	2.7	30
66	A highly luminescent complexes of Eu(III) and Tb(III) with norfloxacin and gatifloxacin doped in solâ€“gel matrix: A comparable approach of using silica doped Tb(III) and Eu(III) as optical sensor. Journal of Luminescence, 2012, 132, 2741-2746.	3.1	31
67	Spectrofluorimetric Assessment of Chlorzoxazone and Ibuprofen in Pharmaceutical Formulations by using Eu-Tetracycline HCl Optical Sensor Doped in Solâ€“Gel Matrix. Journal of Fluorescence, 2012, 22, 779-788.	2.5	34
68	Determination of Ofloxacin using a Highly Selective Photo Probe Based on the Enhancement of the Luminescence Intensity of Eu3+â€”Ofloxacin Complex in Pharmaceutical and Serum Samples. Journal of Fluorescence, 2012, 22, 557-564.	2.5	29
69	Europium-sensitized and simultaneous pH-assisted spectrofluorimetric assessment of ciprofloxacin, norfloxacin and gatifloxacin in pharmaceutical and serum samples. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 236, 26-34.	3.9	28
70	Excited state interaction between Hydrochlorothiazide and europium ion in PMMA polymer and its application as optical sensor for Hydrochlorothiazide in tablet and serum samples. Journal of Luminescence, 2012, 132, 2049-2053.	3.1	28
71	Determination of melamine in different milk batches using a novel chemosensor based on the luminescence quenching of Ru(II) carbonyl complex. Talanta, 2011, 84, 27-33.	5.5	31
72	Spectrofluorimetric Assessment of Metoclopramide Hydrochloride Using Terbium Doped in PMMA Matrix Optical Sensor. Journal of Fluorescence, 2011, 21, 739-745.	2.5	30

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73	Spectrofluorimetric Assessment of Doxycycline Hydrochloride in Pharmaceutical Tablets and Serum Sample Based on the Enhancement of the Luminescence Intensity of the Optical Sensor Sm3+ Ion. Journal of Fluorescence, 2011, 21, 1739-1748.	2.5	32
74	Cilostazol Determination by the Enhancement of the Green Emission of Tb3+ Optical Sensor. Journal of Fluorescence, 2011, 21, 2229-2235.	2.5	33
75	Spectrofluorimetric Determination of Triamterene in Different Body Fluids and Pharmaceutical Tablets. Analytical Chemistry Letters, 2011, 1, 164-172.	1.0	1
76	Spectrofluorimetric assessment of Ramipril using optical sensor Samarium ionâ€“doxycycline complex doped in solâ€“gel matrix. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 7-11.	2.8	29
77	Influence of cellular imperfections on mechanical response of metallic foams. International Journal of Crashworthiness, 2010, 15, 357-367.	1.9	13
78	Screening the bio-safety of wheat produced from pretreated grains to enhance tolerance against drought using physiological and spectroscopic methods. Food and Chemical Toxicology, 2010, 48, 1827-1835.	3.6	1
79	Highly sensitive and selective spectrofluorimetric determination of metoclopramide hydrochloride in pharmaceutical tablets and serum samples using Eu3+ ion doped in solâ€“gel matrix. Talanta, 2010, 82, 78-84.	5.5	37
80	Novel Spectrofluorimetric Method for Measuring the Activity of the Enzyme Î±-<scp>l</scp>-Fucosidase Using the Nano Composite Optical Sensor Samarium(III)â^'Doxycycline Complex Doped in Solâ^'Gel Matrix. Analytical Chemistry, 2010, 82, 6230-6236.	6.5	39
81	Weight Minimization of Natural Gas Distribution Riser Systems. Journal of Pressure Vessel Technology, Transactions of the ASME, 2009, 131, .	0.6	0
82	Synthesis, Spectroscopic and Thermal Characterization of Copper(II) and Iron(III) Complexes of Folic Acid and Their Absorption Efficiency in the Blood. Bioinorganic Chemistry and Applications, 2009, 2009, 1-6.	4.1	38
83	Spectrofluorimetric quantification of bromazepam using a highly selective optical probe based on Eu3+â€“bromazepam complex in pharmaceutical and serum samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 972-976.	3.9	24
84	Factors Affecting the Efficiency of Excited-States Interactions of Complexes between Some Visible Light-Emitting Lanthanide Ions and Cyclophanes Containing Spirobiindanol Phosphonates. International Journal of Photoenergy, 2007, 2007, 1-7.	2.5	5
85	Effect of complexation with lanthanide metal ions on the photochromism of (1,3,3-trimethyl-5â€²-hydroxy-6â€²-formyl- indoline-spiro2,2â€²-[2h]chromene) in different media. International Journal of Photoenergy, 2006, 2006, 1-9.	2.5	37
86	Geochemistry, mineral chemistry and petrogenesis of a Neoproterozoic dyke swarm in the north Eastern Desert, Egypt. Geological Magazine, 2006, 143, 115-135.	1.5	11
87	CharacterizationÂand Kinetics ofÂChromium Carbide CoatingsÂon AISI O2 Tool Steel Performed byÂPack Cementation. Journal of Materials Engineering and Performance, 0, , 1.	2.5	5
88	A novel cyanopyridine derived fluorescent sensor for selective determination of uranyl ions in different water samples. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	1