Assoc Burcu AydÄ±ner

List of Publications by Year
in descending order

29 papers	595 citations	586496 16 h-index	685536 24 g-index
30 all docs	30 docs citations	30 times ranked	660 citing authors

#	Article	IF	Citations
1	Nucleophilic Approach to Cyanide Sensing by Chemosensors. Current Organic Synthesis, 2023, 20, 61-76.	0.7	4
2	Novel fluorescent coumarin-thiazole based sensors for selective determination of cyanide in aqueous media. Journal of Molecular Structure, 2022, 1249, 131593.	1.8	16
3	Synthesis of novel acylthioureas bearing naphthoquinone moiety as dual sensor for high-performance naked-eye colorimetric and fluorescence detection of CNâ˜ and Fâ˜ ions and its application in water and food samples. Dyes and Pigments, 2022, 198, 110006.	2.0	24
4	New naphthoquinone-imidazole hybrids: Synthesis, anion recognition properties, DFT studies and acid dissociation constants. Journal of Molecular Liquids, 2021, 327, 114855.	2.3	23
5	Novel carbazole based hydrazone type light-up chemosensors. Journal of Molecular Structure, 2021, , 131919.	1.8	2
6	Substituent dependent selectivity of fluorescent chemosensors derived from coumarin for biologically relevant DNA structures and anions. Sensors and Actuators B: Chemical, 2020, 305, 127316.	4.0	13
7	A highly sensitive and selective fluorescent turn-on chemosensor bearing a 7-diethylaminocoumarin moiety for the detection of cyanide in organic and aqueous solutions. New Journal of Chemistry, 2020, 44, 19155-19165.	1.4	19
8	The novel sensitive and selective chemosensors for determination of multiple analytes. Dyes and Pigments, 2020, 183, 108701.	2.0	9
9	Indole based push-pull dyes bearing azo and dimethine: Synthesis, spectroscopic, NLO, anion affinity properties and thermal characterization. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 402, 112818.	2.0	13
10	A new mechanism for selective recognition of cyanide in organic and aqueous solution. European Journal of Organic Chemistry, 2020, 2020, 4681-4692.	1.2	20
11	Novel highly functionalized 1,4-naphthoquinone 2-iminothiazole hybrids: Synthesis, photophysical properties, crystal structure, DFT studies, and anti(myco)bacterial/antifungal activity. Journal of Molecular Structure, 2019, 1196, 536-546.	1.8	20
12	Novel benzildihydrazone based Schiff bases: Syntheses, characterization, thermal properties, theoretical DFT calculations and biological activity studies. Journal of Molecular Structure, 2019, 1184, 271-280.	1.8	11
13	A chemodosimeter approach for selective colorimetric and fluorimetric cyanide detection using coumarin based fluorescent dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111916.	2.0	21
14	Coumarin-based benzilmonohydrazone as a new proton-sensitive fluorescencedye: synthesis and investigation of photophysical and acidochromic properties. Turkish Journal of Chemistry, 2019, 43, 1086-1097.	0.5	2
15	Novel fluorescent coumarin-thiophene-derived Schiff bases: Synthesis, effects of substituents, photophysical properties, DFT calculations, and biological activities. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 368, 296-306.	2.0	30
16	The syntheses, molecular structure analyses and DFT studies on new benzil monohydrazone based Schiff bases. Journal of Molecular Structure, 2018, 1162, 37-44.	1.8	6
17	New platinum (II) and palladium (II) complexes of coumarin-thiazole Schiff base with a fluorescent chemosensor properties: Synthesis, spectroscopic characterization, X-ray structure determination, in vitro anticancer activity on various human carcinoma cell lines and computational studies. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 428-439.	1.7	60
18	A novel and synthetically facile coumarin-thiophene-derived Schiff base for selective fluorescent detection of cyanide anions in aqueous solution: Synthesis, anion interactions, theoretical study and DNA-binding properties. Tetrahedron, 2018, 74, 6897-6906.	1.0	42

#	Article	IF	Citations
19	Proton Sensitive Functional Organic Fluorescent Dyes Based on Coumarinâ€imidazo[1,2â€a]pyrimidine; Syntheses, Photophysical Properties, and Investigation of Protonation Ability. European Journal of Organic Chemistry, 2018, 2018, 5921-5934.	1.2	20
20	Novel 1,4-naphthoquinone N-aroylthioureas: Syntheses, crystal structure, anion recognition properties, DFT studies and determination of acid dissociation constants. Journal of Molecular Liquids, 2018, 269, 920-932.	2.3	21
21	H-bond stabilization of a tautomeric coumarin-pyrazole-pyridine triad generates a PET driven, reversible and reusable fluorescent chemosensor for anion detection. Dyes and Pigments, 2017, 141, 493-500.	2.0	26
22	Coumarin-indole conjugate donor-acceptor system: Synthesis, photophysical properties, anion sensing ability, theoretical and biological activity studies of two coumarin-indole based push-pull dyes. Journal of Molecular Structure, 2017, 1147, 364-379.	1.8	24
23	Efficient one-pot three-component method for the synthesis of highly fluorescent coumarin-containing 3,5-disubstituted-2,6-dicyanoaniline derivatives under microwave irradiation. Synthetic Communications, 2017, 47, 2174-2188.	1.1	12
24	8-Hydroxyquinoline based push-pull azo dye: Novel colorimetric chemosensor for anion detection. Journal of Molecular Structure, 2017, 1149, 499-509.	1.8	24
25	A highly selective and sensitive chemosensor derived coumarinâ€“thiazole for colorimetric and fluorimetric detection of CNâ^' ion in DMSO and aqueous solution: synthesis, sensing ability, Pd(II)/Pt(II) complexes and theoretical studies. Tetrahedron, 2016, 72, 5843-5852.	1.0	50
26	A fluorescent coumarin-thiophene hybrid as a ratiometric chemosensor for anions: Synthesis, photophysics, anion sensing and orbital interactions. Journal of Molecular Structure, 2016, 1108, 269-277.	1.8	34
27	Synthesis, spectroscopic, thermal and electrochemical studies on thiazolyl azo based disperse dyes bearing coumarin. Journal of Molecular Structure, 2016, 1108, 521-532.	1.8	31
28	Arylstyrylimidazo[1,2-a]pyridine-based donorâ€“acceptor acidochromic fluorophores: Synthesis, photophysical, thermal and biological properties. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 310, 113-121.	2.0	9
29	An experimental and theoretical study toward the synthesis, structure and thermal decomposition of some phenyl tetrazoles. Journal of Thermal Analysis and Calorimetry, 2015, 119, 2321-2328.	2.0	1