

Kadriye Ertekin

List of Publications by Year in descending order

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72
papers

1,513
citations

331259

21
h-index

360668

35
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73
all docs

73
docs citations

73
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of a newly synthesized fluorescent benzofuran derivative and usage as a selective fiber optic sensor for Fe(III). <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 450-456.	4.0	132
2	Ratiometric sensing of CO ₂ in ionic liquid modified ethyl cellulose matrix. <i>Talanta</i> , 2008, 76, 557-563.	2.9	73
3	Fiber optic pH sensing with long wavelength excitable Schiff bases in the pH range of 7.0–12.0. <i>Analytica Chimica Acta</i> , 2007, 588, 42-49.	2.6	66
4	Emission-based optical carbon dioxide sensing with HPTS in green chemistry reagents: room-temperature ionic liquids. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1225-1234.	1.9	62
5	Room temperature ionic liquids as optical sensor matrix materials for gaseous and dissolved CO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 295-301.	4.0	54
6	Fluorescence emission studies of an azlactone derivative embedded in polymer films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 137, 155-161.	2.0	53
7	Photocharacterization of a novel fluorescent Schiff Base and investigation of its utility as an optical Fe ³⁺ sensor in PVC matrix. <i>Dyes and Pigments</i> , 2007, 74, 730-735.	2.0	53
8	Photophysical and photochemical characteristics of an azlactone dye in sol-gel matrix; a new fluorescent pH indicator. <i>Dyes and Pigments</i> , 2003, 56, 125-133.	2.0	47
9	Characterization of a reservoir-type capillary optical microsensor for pCO ₂ measurements. <i>Talanta</i> , 2003, 59, 261-267.	2.9	45
10	Optical CO ₂ Sensing with Ionic Liquid Doped Electrospun Nanofibers. <i>Journal of Fluorescence</i> , 2011, 21, 607-613.	1.3	43
11	An ultra sensitive fluorescent nanosensor for detection of ionic copper. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 551-559.	2.0	36
12	Structural and luminescence properties of undoped, Nd ³⁺ and Er ³⁺ doped TiO ₂ nanoparticles synthesized by flame spray pyrolysis method. <i>Ceramics International</i> , 2016, 42, 10579-10586.	2.3	36
13	Photophysical and optical oxygen sensing properties of tris(bipyridine)ruthenium(II) in ionic liquid modified sol-gel matrix. <i>Materials Chemistry and Physics</i> , 2009, 113, 322-328.	2.0	35
14	Fluorescence emission studies of 4-(2-furylmethylene)-2-phenyl-5-oxazolone embedded in polymer thin film and detection of Fe ³⁺ ion. <i>Dyes and Pigments</i> , 2007, 72, 150-156.	2.0	34
15	Optical pH sensor based on spectral response of newly synthesized Schiff bases. <i>Dyes and Pigments</i> , 2004, 62, 35-41.	2.0	33
16	Copper ion sensing with fluorescent electrospun nanofibers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 177-185.	2.0	31
17	Enhanced stability of ruthenium complex in ionic liquid doped electrospun fibers. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 11-19.	4.0	28
18	Spectral characterization of a newly synthesized fluorescent semicarbazone derivative and its usage as a selective fiber optic sensor for copper(II). <i>Analytica Chimica Acta</i> , 2007, 584, 308-314.	2.6	27

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19	Design of oxygen sensing nanomaterial: synthesis, encapsulation of phenylacetylide substituted Pd(II) and Pt(II) meso-tetraphenylporphyrins into poly(1-trimethylsilyl-1-propyne) nanofibers and influence of silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 9967-9977.	1.7	27
20	Sub-nanomolar sensing of ionic mercury with polymeric electrospun nanofibers. <i>Materials Chemistry and Physics</i> , 2012, 133, 547-552.	2.0	25
21	Emission based fiber optic pH sensing with Schiff bases bearing dimethylamino groups. <i>Dyes and Pigments</i> , 2008, 76, 133-141.	2.0	24
22	Spectroscopic probing of acid-base properties and photocharacterization of phthalocyanines in organic solvents and polymer matrices. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 205-213.	2.0	22
23	Tuning oxygen sensitivity of ruthenium complex exploiting silver nanoparticles. <i>Journal of Luminescence</i> , 2014, 155, 191-197.	1.5	22
24	Glucose sensing employing fluorescent pH indicator: 4-[(- ,dimethylamino)benzylidene]-2-phenyloxazole-5-one. <i>Dyes and Pigments</i> , 2005, 67, 133-138.	2.0	21
25	Lifetime-Based Oxygen Sensing Properties of palladium(II) and platinum(II) meso-tetrakis(4-phenylethynyl)phenylporphyrin. <i>Journal of Fluorescence</i> , 2017, 27, 861-868.	1.3	21
26	Determination of p values of azlactone dyes in non-aqueous media. <i>Dyes and Pigments</i> , 2005, 65, 33-38.	2.0	20
27	A Long Wavelength Excitable Fluorophore; Chloro Phenyl Imino Propenyl Aniline (CPIPA) for Selective Sensing of Hg (II). <i>Journal of Fluorescence</i> , 2010, 20, 533-540.	1.3	20
28	Production, characterization, and luminescent properties of Eu $^{3+}$ doped yttrium niobate-tantalate films. <i>Journal of Advanced Ceramics</i> , 2017, 6, 33-42.	8.9	20
29	Fiber optic sodium and potassium sensing by using a newly synthesized squaraine dye in PVC matrix. <i>Talanta</i> , 2002, 58, 719-727.	2.9	19
30	Emission based sub-nanomolar silver sensing with electrospun nanofibers. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 205-213.	4.0	19
31	Selective sensing of Fe $^{3+}$ at pico-molar level with ethyl cellulose based electrospun nanofibers. <i>Reactive and Functional Polymers</i> , 2013, 73, 674-682.	2.0	19
32	Photocharacterization of Novel Ruthenium Dyes and Their Utilities as Oxygen Sensing Materials in Presence of Perfluorochemicals. <i>Journal of Fluorescence</i> , 2008, 18, 269-276.	1.3	17
33	Multi-disciplinary earthquake researches in Western Turkey: Hints to select sites to study geochemical transients associated to seismicity. <i>Acta Geophysica</i> , 2010, 58, 767-813.	1.0	17
34	Significant sensitivity and stability enhancement of tetraphenylporphyrin-based optical oxygen sensing material in presence of perfluorochemicals. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 431-439.	0.4	15
35	Sol-gel synthesized Sr $_{4}$ Al $_{14}$ O $_{25}$:Eu $^{2+}$ /Dy $^{3+}$ blue-green phosphorous as oxygen sensing materials. <i>Optical Materials</i> , 2016, 62, 285-296.	1.7	15
36	Structural and luminescent properties of Er $^{3+}$ and Tb $^{3+}$ -doped sol-gel-based bioactive glass powders and electrospun nanofibers. <i>Journal of Materials Science</i> , 2021, 56, 14487-14504.	1.7	15

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37	Emission based oxygen sensing approach with tris(2,2'-bipyridyl)ruthenium(II)chloride in green chemistry reagents: room temperature ionic liquids. <i>Mikrochimica Acta</i> , 2008, 161, 209-216.	2.5	14
38	Synthesis and spectral characterization of Sr ₄ Al ₁₄ O ₂₅ :Eu ²⁺ /Dy ³⁺ blue-green phosphorous powders by sol-gel method. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 611-617.	1.9	14
39	Determination of pK _a values of clinically important perfluorochemicals in nonaqueous media. <i>Journal of Analytical Chemistry</i> , 2008, 63, 1051-1056.	0.4	13
40	Tuning pH sensitivities of zinc phthalocyanines in ionic liquid modified matrices. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 236-244.	4.0	13
41	Determination of Hg(II) at sub-nanomolar levels: A comparative study with nanofibrous materials and continuous thin films. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 244-250.	4.0	13
42	Enhanced optical oxygen sensing using a newly synthesized ruthenium complex together with oxygen carriers. <i>Talanta</i> , 2003, 61, 573-579.	2.9	12
43	Photostability studies of thermomesomorphic derivatives of 2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione. <i>Dyes and Pigments</i> , 2004, 60, 103-110.	2.0	11
44	Enhanced emission based optical carbon dioxide sensing in presence of perfluorochemicals (PFCs). <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 672-677.	4.0	11
45	Silver and proton driven fluorescent multiple-mode molecular logic gates employing phthalocyanines. <i>Materials Chemistry and Physics</i> , 2010, 121, 425-431.	2.0	11
46	Dissolved Carbon Dioxide Sensing with Phenyl-Linked Carbazole Oxazolones in Ionic Liquid and Ethyl Cellulose Moieties. <i>Spectroscopy Letters</i> , 2012, 45, 74-83.	0.5	11
47	Hyperporphyrin effect on oxygen sensitivity of free meso-tetraphenylporphyrins. <i>Dyes and Pigments</i> , 2017, 144, 102-109.	2.0	11
48	Photoluminescence and decay characteristics of cerium, gallium and vanadium - containing borate-based bioactive glass powders for bioimaging applications. <i>Ceramics International</i> , 2021, 47, 3797-3807.	2.3	11
49	Luminescent properties of scintillator nanophosphors produced by flame spray pyrolysis. <i>Journal of Luminescence</i> , 2017, 187, 304-312.	1.5	10
50	Improvement of the O ₂ detection: Substituent's effect on Pd(II) meso-tetraphenylporphyrin probes. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 316-324.	4.0	10
51	Investigation of Spectral Interactions between a SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ Phosphor and Nano-Scale TiO ₂ . <i>Journal of Fluorescence</i> , 2020, 30, 839-847.	1.3	10
52	A novel fluorescent nano-scale sensor for detection of trace amounts of Ca (II) ions. <i>Journal of Luminescence</i> , 2014, 147, 265-272.	1.5	9
53	Enhancing optical properties of Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ by cost-effective silica-based photonic crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10267-10278.	1.1	9
54	Fluorescent Probes for Silver Detection Employing Phthalocyanines in Polymer Matrices. <i>Sensor Letters</i> , 2010, 8, 336-343.	0.4	9

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55	Polyoxy-Derivatized Perylene diimide as Selective Fluorescent Ag (I) Chemosensor. <i>Journal of Fluorescence</i> , 2016, 26, 2311-2320.	1.3	8
56	Boosting optical performance of polymer embedded phosphors using iodine-free and iodine-decorated sol-gel synthesized $\text{I}^{\pm}\text{-Fe}_2\text{O}_3$. <i>Optical Materials</i> , 2019, 95, 109238.	1.7	7
57	Manipulation of brightness and decay kinetics of LuAG: Ce ³⁺ and YAG: Ce ³⁺ by simple metal oxides in polymeric matrices. <i>Optics and Laser Technology</i> , 2021, 142, 107226.	2.2	7
58	Investigation of light induced interactions between ZnO nano-particles and red emitting phosphor blends of Eu ²⁺ /Dy ³⁺ doped strontium aluminate and Eu ²⁺ doped Ca- I^{\pm} -Sialon. <i>Journal of Luminescence</i> , 2021, 238, 118236.	1.5	7
59	An Ion Chromatography Method for the Determination of Major Anions In Geothermal Water Samples. <i>Geostandards and Geoanalytical Research</i> , 2010, 34, 67-77.	1.7	6
60	Manipulating spectral properties of the Hg (II) sensitive carbazole-oxadiazole derivative by silver nanoparticles: Two different sensing mechanisms for the same probe. <i>Optical Materials</i> , 2021, 115, 111030.	1.7	5
61	Enhanced CO ₂ Sensing with Ionic Liquid Modified Electrospun Nanofibers: Effect of Ionic Liquid Type. <i>Sensor Letters</i> , 2013, 11, 1591-1599.	0.4	5
62	Potassium Sensing by Using a Newly Synthesized Squaraine Dye in Sol-Gel Matrix. <i>Journal of Fluorescence</i> , 2002, 12, 263-268.	1.3	4
63	pH-Driven Fluorescent Switch Behavior of Azometine Dyes in Solid Matrix Materials. <i>Spectroscopy Letters</i> , 2010, 43, 500-512.	0.5	3
64	Suppression of interfering ions by using ionic liquid and micelle moieties in spectrofluorimetric analysis of manganese. <i>Turkish Journal of Chemistry</i> , 2016, 40, 373-384.	0.5	3
65	Synthesis, characterization and oxygen sensitivity of cyclophosphazene equipped-iridium (III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118490.	2.0	3
66	Sol-gel synthesis, characterization, and photoluminescence properties of sub-micron Gd ₂ O ₂ SO ₄ powders. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 457-463.	1.1	2
67	Investigation of optical and electrochemical properties as well as metal ion sensitivities of different number of crown ether appended phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 682-690.	0.4	1
68	Emission Based Sensing of Subnanomolar Dissolved Carbon Dioxide Exploiting Electrospun Nanofibers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 197-206.	1.8	1
69	Manipulation of pH induced sensitivity of a fluorescent probe in presence of silver nanoparticles. <i>Journal of Luminescence</i> , 2015, 168, 228-235.	1.5	1
70	Enhanced Luminescence Based Response towards pH in Highly Acidic Environments by the Silver Nanoparticles and Ionic Liquids. <i>Journal of Fluorescence</i> , 2019, 29, 549-567.	1.3	1
71	Oxygen Sensing Properties of Embedded Amphiphilic Ruthenium(II) Derivatives in Presence of Silver Nanoparticles. <i>Sensor Letters</i> , 2015, 13, 802-812.	0.4	1
72	Enhancement of optical properties of Lu ₃ Al ₅ O ₁₂ :Ce ³⁺ and Ca- I^{\pm} -SiAlON:Eu ²⁺ by quinine sulphate. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	1.1	0