

# Elif AkhÃ¼seyin Yildiz

## List of Publications by Year in descending order

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33  
papers

675  
citations

623734

14  
h-index

580821

25  
g-index

36  
all docs

36  
docs citations

36  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect assisted nonlinear absorption and optical limiting in amorphous TlGaS <sub>2</sub> (1-x)Se <sub>2</sub> (x) (0 ≤ x ≤ 1) thin films. <i>Journal of Luminescence</i> , 2022, 241, 118540.	3.1	13
2	Amino-functionalized nitrogen-doped graphene quantum dots and silver-graphene based nanocomposites: Ultrafast charge transfer and a proof-of-concept study for bioimaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113741.	3.9	10
3	Colorimetric probe and optical behaviours of new azomethine derivatives of sulfonamide. <i>Journal of Molecular Structure</i> , 2022, 1253, 132239.	3.6	11
4	Enhanced nonlinear absorption and optical limiting of transparent, electrospun graphite filled polymer composite nanofibers in near IR region. <i>Journal of Materials Science</i> , 2022, 57, 1058-1068.	3.7	18
5	Morphology, defects and polymer concentration related nonlinear absorption and optical limiting properties of electrospun polyamide 6 nanofibers. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	8
6	Naked-eye colorimetric anion probing and fluorescent switching features of conjugated Schiff Bases derived from 4-(Trifluoromethyl) benzenesulfonamide. <i>Journal of Luminescence</i> , 2022, 247, 118849.	3.1	5
7	Tuning the energy bandgap and nonlinear absorption coefficients of WO <sub>x</sub> / ZrO <sub>2</sub> nanocomposite thin films with the role of weight and doping concentration. <i>Journal of Luminescence</i> , 2022, 247, 118869.	3.1	8
8	Understanding electrooxidation mechanism of anticancer drugs utilizing ultrafast pump probe spectroscopy. <i>Journal of Molecular Structure</i> , 2022, 1262, 133071.	3.6	1
9	Nonlinear optical performance and optical limiting of germanate glasses modified with PbF <sub>2</sub> and B <sub>2</sub> O <sub>3</sub> induced by nanosecond pulsed laser. <i>Journal of Non-Crystalline Solids</i> , 2022, 590, 121704.	3.1	10
10	Radical-Enhanced Intersystem Crossing in a Bay-Substituted Perylene Bisimide-TEMPO Dyad and the Electron Spin Polarization Dynamics upon Photoexcitation**. <i>ChemPhysChem</i> , 2021, 22, 55-68.	2.1	23
11	Enhanced nonlinear absorption coefficient and low optical limiting threshold of NiO nanocomposite films. <i>Optik</i> , 2021, 227, 165975.	2.9	16
12	Pushing the limits in photosensitizer-catalyst interaction via a short cyanide bridge for water oxidation. <i>Cell Reports Physical Science</i> , 2021, 2, 100319.	5.6	7
13	Ultrafast Electron/Energy Transfer and Intersystem Crossing Mechanisms in BODIPY-Porphyrin Compounds. <i>Processes</i> , 2021, 9, 312.	2.8	3
14	Tuning the linear and nonlinear optical absorption properties of ZnS/hydrochar nanocomposites by concentration of nanoparticles. <i>Optical Materials</i> , 2021, 113, 110849.	3.6	10
15	Enhancement of Nonlinear Absorption in Defect Controlled ZnO Polycrystalline Thin Films by Means of Co-Doping. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000539.	1.5	15
16	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. <i>Chemistry - A European Journal</i> , 2021, 27, 8966-8976.	3.3	9
17	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. <i>Chemistry - A European Journal</i> , 2021, 27, 8890-8890.	3.3	0
18	Thermally Induced Phase Transition and Defect-Assisted Nonlinear Absorption and Optical Limiting in Nanorod Morphology V <sub>2</sub> O <sub>5</sub> Thin Films. <i>Advanced Engineering Materials</i> , 2021, 23, 2100468.	3.5	19

#	ARTICLE	IF	CITATIONS
19	Great enhancement of two photon absorption cross section value by intramolecular charge transfer in newly synthesized triphenylamine-BODIPY derivative. <i>Dyes and Pigments</i> , 2021, 193, 109522.	3.7	8
20	Defect assisted optical limiting performance of hexagonal boron nitride nanosheets in aqueous suspension and PMMA nanocomposite films. <i>Optical Materials</i> , 2021, 121, 111630.	3.6	14
21	Efficient Intersystem Crossing in the Tröger's Base Derived From 4-Amino-1,8-naphthalimide and Application as a Potent Photodynamic Therapy Reagent. <i>Chemistry - A European Journal</i> , 2020, 26, 3591-3599.	3.3	32
22	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. <i>Angewandte Chemie</i> , 2020, 132, 4111-4119.	2.0	12
23	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4082-4090.	13.8	30
24	Effect of Cr/Sb doping and annealing on nonlinear absorption coefficients of SnO <sub>2</sub> /PMMA nanocomposite films. <i>Materials Chemistry and Physics</i> , 2020, 255, 123596.	4.0	21
25	Anthryl-Appended Platinum(II) Schiff Base Complexes: Exceptionally Small Stokes Shift, Triplet Excited States Equilibrium, and Application in Triplet-Triplet Annihilation Upconversion. <i>Inorganic Chemistry</i> , 2020, 59, 14731-14745.	4.0	23
26	InnenrÄ¼cktitelbild: A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue ( <i>Angew. Chem.</i> 10/2020). <i>Angewandte Chemie</i> , 2020, 132, 4211-4211.	2.0	1
27	Strategies towards enhancing the efficiency of BODIPY dyes in dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 148-157.	3.9	13
28	The effect of molecular structure and ultrafast electron injection dynamics on the efficiency of BODIPY sensitized solar cells. <i>Optical Materials</i> , 2019, 91, 50-57.	3.6	6
29	A Noble-Metal-Free Heterogeneous Photosensitizer-Relay Catalyst Triad That Catalyzes Water Oxidation under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17173-17177.	13.8	32
30	Efficient Radical-Enhanced Intersystem Crossing in an NDI-TEMPO Dyad: Photophysics, Electron Spin Polarization, and Application in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, 18663-18675.	3.3	73
31	Radical-Enhanced Intersystem Crossing in New Bodipy Derivatives and Application for Efficient Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2017, 139, 7831-7842.	13.7	152
32	Intersystem crossing and triplet excited state properties of thionated naphthalenediimide derivatives. <i>Journal of Luminescence</i> , 2017, 192, 211-217.	3.1	36
33	Enhancement of two photon absorption properties and intersystem crossing by charge transfer in pentaaryl boron-dipyrromethene (BODIPY) derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13546-13553.	2.8	35