

# Andrzej Sienkiewicz

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,695  
citations

279487

23  
h-index

288905

40  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron oxides semiconductors are efficient for solar water disinfection: A comparison with photo-Fenton processes at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 497-508.	10.8	176
2	Cerium oxide nanoparticles, combining antioxidant and UV shielding properties, prevent UV-induced cell damage and mutagenesis. <i>Nanoscale</i> , 2015, 7, 15643-15656.	2.8	140
3	Spectroscopic and Photophysical Properties of a Highly Derivatized C60 Fullerol. <i>Advanced Functional Materials</i> , 2006, 16, 120-128.	7.8	122
4	Synthesis, Characterization, and Photocatalytic Activities of Nanoparticulate N, S-Codoped TiO <sub>2</sub> Having Different Surface-to-Volume Ratios. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2717-2723.	1.5	99
5	Photocatalytic hydrogen generation from a visible-light responsive metal-organic framework system: the impact of nickel phosphide nanoparticles. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2476-2481.	5.2	94
6	A novel synthetic approach of cerium oxide nanoparticles with improved biomedical activity. <i>Scientific Reports</i> , 2017, 7, 4636.	1.6	84
7	Controlled growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires in arrays of open nanofluidic channels. <i>Scientific Reports</i> , 2016, 6, 19834.	1.6	81
8	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , 2020, 30, 2004615.	7.8	65
9	Towards electron spin resonance of mechanically exfoliated graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2558-2561.	0.7	57
10	Stiffness Alterations of Single Cells Induced by UV in the Presence of NanoTiO <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2007, 41, 5149-5153.	4.6	51
11	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. <i>ACS Photonics</i> , 2019, 6, 967-975.	3.2	49
12	Light-responsive polymer nanoreactors: a source of reactive oxygen species on demand. <i>Nanoscale</i> , 2013, 5, 217-224.	2.8	45
13	Neutral Aminyl Radicals Derived from Azoimidazolium Dyes. <i>Journal of the American Chemical Society</i> , 2016, 138, 15126-15129.	6.6	40
14	Synthesis of Organic Super-Electron-Donors by Reaction of Nitrous Oxide with N-Heterocyclic Olefins. <i>Journal of the American Chemical Society</i> , 2019, 141, 17112-17116.	6.6	39
15	Multi-Frequency High-Field EPR Study of Iron Centers in Malarial Pigments. <i>Journal of the American Chemical Society</i> , 2006, 128, 4534-4535.	6.6	37
16	Defects and localization in chemically-derived graphene. <i>Physical Review B</i> , 2012, 86, .	1.1	36
17	Size dependence of the magnetic response of graphite oxide and graphene flakes – an electron spin resonance study. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2958-2961.	0.7	35
18	SET processes in Lewis acid-base reactions: the tritylation of N-heterocyclic carbenes. <i>Chemical Science</i> , 2020, 11, 7615-7618.	3.7	35

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19	Three-Dimensionally Enlarged Photoelectrodes by a Protogenetic Inclusion of Vertically Aligned Carbon Nanotubes into $\text{CH}_3\text{NH}_3\text{PbBr}_3$ Single Crystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13549-13556.	1.5	31
20	Synthesis of aminyl biradicals by base-induced $\text{Csp}^3$ - $\text{Csp}^3$ coupling of cationic azo dyes. <i>Chemical Science</i> , 2019, 10, 5719-5724.	3.7	30
21	Upconversion Particle as a Local Luminescent Brownian Probe: A Photonic Force Microscopy Study. <i>ACS Photonics</i> , 2014, 1, 1251-1257.	3.2	27
22	Upconversion fluorescence imaging of HeLa cells using ROS generating $\text{SiO}_2$ -coated lanthanide-doped $\text{NaYF}_4$ nanoconstructs. <i>RSC Advances</i> , 2017, 7, 30262-30273.	1.7	27
23	Dielectric resonator-based resonant structure for sensitive ESR measurements at high-hydrostatic pressures. <i>Journal of Magnetic Resonance</i> , 2005, 177, 261-273.	1.2	25
24	Kilogram-Scale Crystallography of Halide Perovskites for Gamma Rays Dose Rate Measurements. <i>Advanced Science</i> , 2021, 8, 2001882.	5.6	21
25	Unusually Long-Lived Photocharges in Helical Organic Semiconductor Nanostructures. <i>ACS Nano</i> , 2018, 12, 9116-9125.	7.3	19
26	Polymer phase of the tetrakis(dimethylamino)ethylene- $\text{C}_{60}$ organic ferromagnet. <i>Physical Review B</i> , 2003, 68, .	1.1	18
27	Radiation detection and energy conversion in nuclear reactor environments by hybrid photovoltaic perovskites. <i>Energy Conversion and Management</i> , 2020, 205, 112423.	4.4	18
28	Morphology and Photoluminescence of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Deposits on Nonplanar, Strongly Curved Substrates. <i>ACS Photonics</i> , 2018, 5, 1476-1485.	3.2	16
29	Central nervous system and systemic oxidative stress interplay with inflammation in a bile duct ligation rat model of type C hepatic encephalopathy. <i>Free Radical Biology and Medicine</i> , 2022, 178, 295-307.	1.3	14
30	Photocatalytic and phototoxic properties of $\text{TiO}_2$ -based nanofilaments: ESR and AFM assays. <i>Nanotoxicology</i> , 2012, 6, 813-824.	1.6	13
31	Solar water purification with photocatalytic nanocomposite filter based on $\text{TiO}_2$ nanowires and carbon nanotubes. <i>Npj Clean Water</i> , 2022, 5, .	3.1	13
32	Differential Response of the Photoluminescence and Photocurrent of Polycrystalline $\text{CH}_3\text{NH}_3\text{PbI}_3$ and $\text{CH}_3\text{NH}_3\text{PbBr}_3$ to the Exposure to Oxygen and Nitrogen. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2007-2017.	2.0	11
33	Loading and release of internally self-assembled emulsions embedded in a magnetic hydrogel. <i>Applied Physics Letters</i> , 2014, 104, 043701.	1.5	10
34	Homo- and Heterodinuclear Iron Clathrochelate Complexes with Functional Groups in the Ligand Periphery. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3118-3125.	1.0	10
35	Highly Substituted $\text{1,2,3}$ -triazolines: Solid State Emitters with Electrofluorochromic Behavior. <i>Chemistry - A European Journal</i> , 2019, 25, 6718-6721.	1.7	10
36	Tuning the $\text{1,2,3}$ -triazolines: A Combined Computational and Experimental Study. <i>Chemistry - A European Journal</i> , 2021, 27, 11983-11988.	1.7	10

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37	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , 2021, 11, 17159.	1.6	10
38	La@C <sub>82</sub> as a spin-active filling of SWCNTs: ESR study of magnetic and photophysical properties. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2042-2046.	0.7	8
39	Long-Lived Photocharges in Supramolecular Polymers of Low-Band-Gap Chromophores. <i>Chemistry - A European Journal</i> , 2020, 26, 9506-9517.	1.7	8
40	Multi-Functional Magnetic Photoluminescent Photocatalytic Polystyrene-Based Micro- and Nano-Fibers Obtained by Electrospinning. <i>Fibers</i> , 2014, 2, 75-91.	1.8	7
41	Single potassium niobate nano/microsized particles as local mechano-optical Brownian probes. <i>Nanoscale</i> , 2016, 8, 6810-6819.	2.8	7
42	Magnetic resonance in MnTe at high hydrostatic pressures. <i>Physica Status Solidi A</i> , 1978, 47, K169-K171.	1.7	6
43	EPR investigation of ordering effects in Hg <sub>1-x</sub> Mn <sub>x</sub> Te. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 91, K73.	0.7	6
44	High-Pressure Synthesis of Rare-Earth Borate-Nitrate Crystals for Second Harmonic Generation. <i>Inorganic Chemistry</i> , 2021, 60, 286-291.	1.9	6
45	High hydrostatic pressure ESR manostats. <i>High Pressure Research</i> , 1990, 5, 877-879.	0.4	4
46	Pressure-induced transformation of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : the role of the noble-gas pressure transmitting media. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 361-370.	0.5	4
47	Chromophore of an Enhanced Green Fluorescent Protein Can Play a Photoprotective Role Due to Photobleaching. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8565.	1.8	4
48	Co <sup>2+</sup> ions in ZnS <sub>x</sub> Se <sub>1-x</sub> :Co - ESR and Optical Studies. <i>Acta Physica Polonica A</i> , 1998, 94, 593-596.	0.2	4
49	Spin-lattice coefficients of Eu <sup>2+</sup> in CdF <sub>2</sub> . <i>Physica Status Solidi (B): Basic Research</i> , 1975, 72, K121.	0.7	3
50	Structure and Reactivity of Polynuclear Divalent Lanthanide Disiloxanediolate Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 7436-7447.	1.9	3
51	Light-induced charge transfer at the CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /TiO <sub>2</sub> interface—a low-temperature photo-electron paramagnetic resonance assay. <i>JPhys Photonics</i> , 2020, 2, 014007.	2.2	2
52	Singlet oxygen generation by C[ <sub>60</sub> ] and C[ <sub>70</sub> ]—an ESR study. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	1
53	On the Tunneling Among Shallow and Deep Centers in ZnS. <i>Acta Physica Polonica A</i> , 1991, 79, 251-254.	0.2	1
54	A Mesoionic Diselenolene Anion and the Corresponding Radical Dianion. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	1

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55	The Luminescence and EPR Characterisation of Neutron Transmutation Doped Gallium Phosphide. Acta Physica Polonica A, 1991, 79, 259-262.	0.2	0
56	Reversible wavelength-dependent photo-bleaching in free-standing polycrystalline films of MAPbI <sub>3</sub> monitored under the intense visible light flux. , 0, , .		0