Andrzej Huczko

List of Publications by Year
in descending order

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55	2,226	257450	214800
papers	citations	24 h-index	47 g-index

60	60	60	2768
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene research and their outputs: Status and prospect. Journal of Science: Advanced Materials and Devices, 2020, 5, 10-29.	3.1	318
2	Large-scale synthesis and characterization of carbon spheres prepared by direct pyrolysis of hydrocarbons. Carbon, 2005, 43, 1944-1953.	10.3	276
3	Magical Allotropes of Carbon: Prospects and Applications. Critical Reviews in Solid State and Materials Sciences, 2016, 41, 257-317.	12.3	167
4	PHYSIOLOGICAL TESTING OF CARBON NANOTUBES: ARE THEY ASBESTOS-LIKE?. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 251-254.	0.6	124
5	Combustion Synthesis as a Novel Method for Production of 1-D SiC Nanostructures. Journal of Physical Chemistry B, 2005, 109, 16244-16251.	2.6	101
6	High temperature annealing effects on carbon spheres and their applications as anode materials in Li-ion secondary battery. Carbon, 2006, 44, 724-729.	10.3	85
7	Evolution of Graphene Oxide and Graphene: From Imagination to Industrialization. ChemNanoMat, 2018, 4, 598-620.	2.8	80
8	Arc plasma route to carbon-encapsulated magnetic nanoparticles for biomedical applications. Sensors and Actuators B: Chemical, 2005, 109, 81-85.	7.8	74
9	Synthesis of Novel Nanostructures by Metalâ˜Polytetrafluoroethene Thermolysis. Journal of Physical Chemistry B, 2003, 107, 2519-2524.	2.6	57
10	Nanocomposites of epoxy resin with graphene nanoplates and exfoliated graphite: Synthesis and electrical properties. Physica Status Solidi (B): Basic Research, 2014, 251, 2599-2602.	1.5	54
11	Carbon encapsulated magnetic nanoparticles for biomedical applications: Thermal stability studies. New Biotechnology, 2007, 24, 555-558.	2.7	53
12	Methods for the conversion of biomass waste into value-added carbon nanomaterials: Recent progress and applications. Progress in Energy and Combustion Science, 2022, 92, 101023.	31.2	53
13	Pulmonary Toxicity of 1â€Ð Nanocarbon Materials. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 141-145.	2.1	49
14	Facile electrochemical synthesis of few layered graphene from discharged battery electrode and its application for energy storage. Arabian Journal of Chemistry, 2017, 10, 556-565.	4.9	46
15	Fullerene Formation in Carbon Arc:Â Electrode Gap Dependence and Plasma Spectroscopy. Journal of Physical Chemistry A, 1997, 101, 1267-1269.	2.5	39
16	Hierarchical, nanoporous graphenic carbon materials through an instant, self-sustaining magnesiothermic reduction. Carbon, 2016, 96, 937-946.	10.3	37
17	Liquid rubber and silicon carbide nanofiber modified epoxy nanocomposites: Volume shrinkage, cure kinetics and properties. Composites Science and Technology, 2014, 102, 65-73.	7.8	36
18	Silicon carbide nanowires: synthesis and cathodoluminescence. Physica Status Solidi (B): Basic Research, 2009, 246, 2806-2808.	1.5	35

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19	Combustion synthesis route to carbon-encapsulated iron nanoparticles. Diamond and Related Materials, 2007, 16, 225-228.	3.9	34
20	Fullerene and nanotube synthesis. plasma spectroscopy studies. Journal of Physics and Chemistry of Solids, 1997, 58, 1679-1683.	4.0	27
21	Magnetic nanoparticles of Fe and Ndâ€“Feâ€“B alloy encapsulated in carbon shells for drug delivery systems: Study of the structure and interaction with the living cells. Journal of Alloys and Compounds, 2006, 423, 87-91.	5.5	27
22	A systematic study of ceramic nanostructures generated by arc discharge. Chemical Physics Letters, 2002, 365, 457-463.	2.6	26
23	Preparation of silicon carbide SiC-based nanopowders by the aerosol-assisted synthesis and the DC thermal plasma synthesis methods. Materials Research Bulletin, 2015, 63, 164-172.	5.2	25
24	A time efficient reduction strategy for bulk production of reduced graphene oxide using selenium powder as a reducing agent. Journal of Materials Science, 2016, 51, 6156-6165.	3.7	25
25	Influence of Fe and Co/Ni on Carbon Arc Plasma and Formation of Fullerenes and Nanotubes. Journal of Physical Chemistry A, 2000, 104, 10708-10712.	2.5	24
26	Fast and efficient combustion synthesis route to produce novel nanocarbons. Physica Status Solidi (B): Basic Research, 2012, 249, 2373-2377.	1.5	23
27	Combustion Reactions of Poly(Carbon Monofluoride), (CF)n, with Different Reductants and Characterization of the Products. Propellants, Explosives, Pyrotechnics, 2007, 32, 149-154.	1.6	21
28	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. Polymers for Advanced Technologies, 2015, 26, 142-146.	3.2	21
29	Hollow Cathode Plasma Synthesis of Carbon Nanofiber Arrays at Low Temperature. Journal of Physical Chemistry B, 2002, 106, 1534-1536.	2.6	20
30	Fast combustion synthesis and characterization of YAG:Ce³⁺ garnet nanopowders. Physica Status Solidi (B): Basic Research, 2013, 250, 2702-2708.	1.5	20
31	Ultra-fast efficient synthesis of one-dimensional nanostructures. Physica Status Solidi (B): Basic Research, 2011, 248, 2704-2707.	1.5	19
32	Surface properties of carbons obtained from hexachlorobenzene and hexachloroethane by combustion synthesis. Carbon, 2007, 45, 103-109.	10.3	16
33	Electrically and thermally conductive thin elastic polymer foils containing SiC nanofibers. Composites Science and Technology, 2017, 146, 20-25.	7.8	13
34	Hydrogen activated axial inter-conversion in SiC nanowires. Journal of Solid State Chemistry, 2009, 182, 602-607.	2.9	12
35	FTIR Studies of Silicon Carbide 1D-Nanostructures. Materials Science Forum, 2015, 821-823, 261-264.	0.3	12
36	Ultrafast self-catalytic growth of silicon carbide nanowires. Journal of Materials Research, 2011, 26, 3065-3071.	2.6	11

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37	Selfâ€propagating highâ€temperature fast reduction of magnesium oxalate to novel nanocarbons. Physica Status Solidi (B): Basic Research, 2016, 253, 2486-2491.	1.5	11
38	Plasma decomposition of carbon dioxide. AICHE Journal, 1984, 30, 811-815.	3.6	9
39	Surface chemical composition of SiC-cored nanowires investigated at room and elevated temperatures in ultra-high vacuum. Vacuum, 2012, 86, 1974-1978.	3.5	8
40	Combustion synthesis of Si-related crystalline nanostructures. Journal of Crystal Growth, 2014, 401, 445-448.	1.5	8
41	Facile and fast combustion synthesis and characterization of novel carbon nanostructures. Physica Status Solidi (B): Basic Research, 2014, 251, 2563-2568.	1.5	8
42	Efficient one-pot combustion synthesis of few-layered graphene. Physica Status Solidi (B): Basic Research, 2015, 252, 2412-2417.	1.5	8
43	Toward green chemistry: A new approach to the synthesis of semiconducting SiC nanowires. Physica Status Solidi (B): Basic Research, 2013, 250, 2713-2716.	1.5	6
44	Structural and photocatalytic properties of silicon carbide powder and nanowires modified by gold nanoparticles. Research on Chemical Intermediates, 2019, 45, 4081-4100.	2.7	6
45	Spontaneous formation and characterization of silicon carbide nanowires produced via thermolysis. Physica Status Solidi (B): Basic Research, 2011, 248, 2708-2711.	1.5	5
46	SiC Nanofibres Produced by the Combustion Synthesis as the Nanocomposites Fillers. Macromolecular Symposia, 2013, 327, 94-98.	0.7	3
47	Grapheneâ€Like Carbon Nanostructures From Combustion Synthesis. Physica Status Solidi (B): Basic Research, 2018, 255, 1800194.	1.5	2
48	Novel nanocarbons via facile one-pot combustion synthesis. Diamond and Related Materials, 2022, 121, 108746.	3.9	1
49	Combustion Synthesis as a Novel Method for Production of 1-D SiC Nanostructures.. ChemInform, 2005, 36, no.	0.0	0
50	Formation and Characterization of Carbon and Ceramic Nanostructures. , 2011, , 1-43.		0
51	Growth and characterization of thin Siâ€“C films in RF plasma and optical emission spectroscopy. Physica Status Solidi (B): Basic Research, 2012, 249, 2576-2580.	1.5	0
52	Preparation of SiC_w-ZTA Composites by Two-Step Sintering or Spark Plasma Sintering. Solid State Phenomena, 2015, 226, 59-64.	0.3	0
53	High-Energy-Synthesized Carbon-Related Nanomaterials. , 2016, , 159-186.		0
54	Self-Propagating High-Temperature Synthesis (SHS): A Simple Route to Carbon-Related Nanomaterials. Springer Proceedings in Physics, 2016, , 559-578.	0.2	0

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55	Plasma Gasification of Surrogate and Real Waste Plastics. , 2000, , 155-165.		0