

Pascale Chenevier

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,070
citations

430874

18
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

1757
citing authors

#	ARTICLE	IF	CITATIONS
1	Optoelectronic Switch and Memory Devices Based on Polymer-Functionalized Carbon Nanotube Transistors. <i>Advanced Materials</i> , 2006, 18, 2535-2540.	21.0	142
2	Mechanism of the Coupling of Diazonium to Single-Walled Carbon Nanotubes and Its Consequences. <i>Chemistry - A European Journal</i> , 2009, 15, 2101-2110.	3.3	115
3	Intrinsic current gain cutoff frequency of 30GHz with carbon nanotube transistors. <i>Applied Physics Letters</i> , 2007, 90, 233108.	3.3	102
4	A noble metal-free proton-exchange membrane fuel cell based on bio-inspired molecular catalysts. <i>Chemical Science</i> , 2015, 6, 2050-2053.	7.4	66
5	A Scalable Silicon Nanowires-Grown-On-Graphite Composite for High-Energy Lithium Batteries. <i>ACS Nano</i> , 2020, 14, 12006-12015.	14.6	66
6	High hydrostatic pressure small-angle X-ray scattering cell for protein solution studies featuring diamond windows and disposable sample cells. <i>Journal of Applied Crystallography</i> , 2008, 41, 167-175.	4.5	49
7	Hydrogenase enzymes: Application in biofuel cells and inspiration for the design of noble-metal free catalysts for H ₂ oxidation. <i>Comptes Rendus Chimie</i> , 2013, 16, 491-505.	0.5	46
8	Interaction of Cationic Colloids at the Surface of J774 Cells: A Kinetic Analysis. <i>Biophysical Journal</i> , 2000, 79, 1298-1309.	0.5	39
9	Effect of Size and Shape on Electrochemical Performance of Nano-Silicon-Based Lithium Battery. <i>Nanomaterials</i> , 2021, 11, 307.	4.1	34
10	Chicken Embryonic Stem Cells and Transgenic Strategies. <i>Cells Tissues Organs</i> , 1999, 165, 212-219.	2.3	33
11	Optimized network of multi-walled carbon nanotubes for chemical sensing. <i>Nanotechnology</i> , 2011, 22, 105501.	2.6	31
12	Carbon nanotube chemistry and assembly for electronic devices. <i>Comptes Rendus Physique</i> , 2009, 10, 330-347.	0.9	28
13	Noncovalent Integration of a Bioinspired Ni Catalyst to Graphene Acid for Reversible Electrocatalytic Hydrogen Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5805-5811.	8.0	28
14	Doping and Surface Effects of CuFeS ₂ Nanocrystals Used in Thermoelectric Nanocomposites. <i>ChemNanoMat</i> , 2018, 4, 982-991.	2.8	26
15	Scalable chemical synthesis of doped silicon nanowires for energy applications. <i>Nanoscale</i> , 2019, 11, 22504-22514.	5.6	25
16	Grafting of synthetic mannose receptor-ligands onto onion vectors for human dendritic cells targeting Electronic supplementary information (ESI) available: full experimental details. See http://www.rsc.org/suppdata/cc/b2/b206980f/ . <i>Chemical Communications</i> , 2002, , 2446-2447.	4.1	23
17	RGD-functionalized spherulites as targeted vectors captured by adherent cultured cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1593, 17-27.	4.1	20
18	An innovative large scale integration of silicon nanowire-based field effect transistors. <i>Solid-State Electronics</i> , 2018, 143, 97-102.	1.4	20

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19	Chemical Characterization of $\hat{I}\pm$ -Oxohydrazone Ligation on Colloids: A toward Grafting Molecular Addresses onto Biological Vectors. <i>Journal of the American Chemical Society</i> , 2003, 125, 16261-16270.	13.7	18
20	Carbon nanotubes/fluorinated polymers nanocomposite thin films for electrical contacts lubrication. <i>Surface Science</i> , 2007, 601, 3687-3692.	1.9	18
21	Toward full carbon interconnects: High conductivity of individual carbon nanotube to carbon nanotube regrowth junctions. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	16
22	Approaching Industrially Relevant Current Densities for Hydrogen Oxidation with a Bioinspired Molecular Catalytic Material. <i>Journal of the American Chemical Society</i> , 2021, 143, 18150-18158.	13.7	16
23	Labile Diazo Chemistry for Efficient Silencing of Metallic Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2011, 17, 1415-1418.	3.3	14
24	Impact of ionomer structuration on the performance of bio-inspired noble-metal-free fuel cell anodes. <i>Chem Catalysis</i> , 2021, 1, 88-105.	6.1	14
25	Conception and Realization of a Non-Cationic Non-Viral DNA Vector. <i>Current Medicinal Chemistry</i> , 2004, 11, 169-177.	2.4	13
26	A highly selective non-radical diazo coupling provides low cost semi-conducting carbon nanotubes. <i>Carbon</i> , 2014, 66, 246-258.	10.3	11
27	Fine tuning of optoelectronic properties of single-walled carbon nanotubes from conductors to semiconductors. <i>Carbon</i> , 2019, 153, 337-346.	10.3	10
28	Water-Splitting Artificial Leaf Based on a Triple-Junction Silicon Solar Cell: One-Step Fabrication through Photoinduced Deposition of Catalysts and Electrochemical Operando Monitoring. <i>Journal of the American Chemical Society</i> , 2022, 144, 9651-9660.	13.7	10
29	Directed assembly for carbon nanotube device fabrication. , 2006, , .		6
30	Nanocomposite thin films for surface protection in electrical contact applications. , 2007, , .		6
31	Aligned carbon nanotube based ultrasonic microtransducers for durability monitoring in civil engineering. <i>Nanotechnology</i> , 2011, 22, 395501.	2.6	6
32	Conductivity vs functionalization in single-walled carbon nanotube films. <i>SN Applied Sciences</i> , 2022, 4, 1.	2.9	6
33	How do H_{2} oxidation molecular catalysts assemble onto carbon nanotube electrodes? A crosstalk between electrochemical and multi-physical characterization techniques. <i>Chemical Science</i> , 2021, 12, 15916-15927.	7.4	5
34	Nanocomposite Thin Films for Surface Protection in Electrical Contact Applications. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2009, 32, 358-364.	1.3	4
35	Gram-scale carbon nanotubes as semiconducting material for highly versatile route of integration in plastic electronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 183-192.	1.8	2
36	Recent Advances in Molecular Electronics Based on Carbon Nanotubes. <i>Chimia</i> , 2010, 64, 414.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Multi-Walled Carbon Nanotube Based Sensors for Selective Detection of Chemical Pollutants. Key Engineering Materials, 2011, 495, 298-301.	0.4	1
38	Tuning Surface Chemistry and Self-Assembly to Increase Current Density in Bio-Inspired Hydrogen Fuel Cell Anodes with Ionomer. ECS Meeting Abstracts, 2020, MA2020-01, 1691-1691.	0.0	0
39	Silicon Nanowire-Graphite Composites As High Energy Anode Materials for Lithium Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 386-386.	0.0	0
40	Selection and Optimisation of Silicon Anodes for All-Solid-State Batteries. ECS Meeting Abstracts, 2022, MA2022-01, 408-408.	0.0	0