

Hannes C Schniepp

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49 papers	14,034 citations	22 h-index	52 g-index
52 ext. papers	14,907 ext. citations	7.4 avg, IF	5.94 L-index

#	Paper	IF	Citations
49	Raman spectra of graphite oxide and functionalized graphene sheets. <i>Nano Letters</i> , 2008 , 8, 36-41	11.5	3540
48	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. <i>Chemistry of Materials</i> , 2007 , 19, 4396-4404	9.6	2986
47	Functionalized single graphene sheets derived from splitting graphite oxide. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8535-9	3.4	2925
46	Functionalized graphene sheets for polymer nanocomposites. <i>Nature Nanotechnology</i> , 2008 , 3, 327-31	28.7	2899
45	Methods of graphite exfoliation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24992		389
44	Bending properties of single functionalized graphene sheets probed by atomic force microscopy. <i>ACS Nano</i> , 2008 , 2, 2577-84	16.7	167
43	Large scale thermal exfoliation and functionalization of boron nitride. <i>Small</i> , 2014 , 10, 2352-5	11	148
42	Spontaneous emission of europium ions embedded in dielectric nanospheres. <i>Physical Review Letters</i> , 2002 , 89, 257403	7.4	114
41	Shear-induced self-assembly of native silk proteins into fibrils studied by atomic force microscopy. <i>Biomacromolecules</i> , 2012 , 13, 676-82	6.9	105
40	In Situ Reduction of Graphene Oxide in Polymers. <i>Macromolecules</i> , 2011 , 44, 9821-9829	5.5	87
39	Stabilization of graphene sheets by a structured benzene/hexafluorobenzene mixed solvent. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5018-21	16.4	67
38	AFM-based mechanical characterization of single nanofibres. <i>Nanoscale</i> , 2016 , 8, 8414-26	7.7	42
37	Self-healing of surfactant surface micelles on millisecond time scales. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12378-9	16.4	36
36	Tuning of structural color using a dielectric actuator and multifunctional compliant electrodes. <i>Applied Optics</i> , 2010 , 49, 6689-96	0.2	35
35	Surfactant aggregates at rough solid-liquid interfaces. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8708-13	3.4	34
34	Characterization of graphene oxide: Variations in reported approaches. <i>Carbon</i> , 2019 , 154, 510-521	10.4	32
33	Inhibition and promotion of copper corrosion by CTAB in a microreactor system. <i>Langmuir</i> , 2008 , 24, 14269-75	4	31

32	Silk Reconstitution Disrupts Fibroin Self-Assembly. <i>Biomacromolecules</i> , 2015 , 16, 2796-804	6.9	30
31	Orientational order of molecular assemblies on inorganic crystals. <i>Physical Review Letters</i> , 2006 , 96, 018304	3.1	27
30	Spontaneous emission in nanoscopic dielectric particles. <i>Optics Letters</i> , 2003 , 28, 1736-8	3	27
29	Strength of Recluse Spider Silk Originates from Nanofibrils. <i>ACS Macro Letters</i> , 2018 , 7, 1364-1370	6.6	27
28	Enhancing polyimide's water barrier properties through addition of functionalized graphene oxide. <i>Polymer</i> , 2016 , 93, 23-29	3.9	26
27	Charge-Driven Selective Adsorption of Sodium Dodecyl Sulfate on Graphene Oxide Visualized by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20080-20085	3.8	21
26	Surface oxide net charge of a titanium alloy: comparison between effects of treatment with heat or radiofrequency plasma glow discharge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 173-81	6	21
25	Orientational Order of Molecular Assemblies on Rough Surfaces. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14902-14906	3.8	21
24	Measurement of the interfacial attraction between graphene oxide sheets and the polymer in a nanocomposite. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 3739-3743	2.9	18
23	Polymer crystallinity and the ductile to brittle transition. <i>Polymer</i> , 2018 , 158, 72-76	3.9	18
22	Toughness-enhancing metastructure in the recluse spider's looped ribbon silk. <i>Materials Horizons</i> , 2017 , 4, 377-382	14.4	17
21	Atomic Force Spectroscopy Using Colloidal Tips Functionalized with Dried Crude Oil: A Versatile Tool to Investigate Oil/Mineral Interactions. <i>Energy & Fuels</i> , 2016 , 30, 9193-9202	4.1	16
20	Brown recluse spider's nanometer scale ribbons of stiff extensible silk. <i>Advanced Materials</i> , 2013 , 25, 7028-32	24	16
19	Graphene Oxide's Reduction of Hydrolytic Degradation in Polyamide-11. <i>Polymer</i> , 2017 , 126, 248-258	3.9	15
18	Effects of coating a titanium alloy with fibronectin on the expression of osteoblast gene markers in the MC3T3 osteoprogenitor cell line. <i>International Journal of Oral and Maxillofacial Implants</i> , 2012 , 27, 1081-90	2.8	14
17	High-throughput optical thickness and size characterization of 2D materials. <i>Nanoscale</i> , 2018 , 10, 14441-14447	1.4	13
16	Tip-induced orientational order of surfactant micelles on gold. <i>Langmuir</i> , 2008 , 24, 626-31	4	11
15	High-Purity Boron Nitride Nanotubes via High-Yield Hydrocarbon Solvent Processing. <i>Chemistry of Materials</i> , 2019 , 31, 8351-8357	9.6	10

14	Nanofibrils as Building Blocks of Silk Fibers: Critical Review of the Experimental Evidence. <i>Jom</i> , 2019 , 71, 1248-1263	2.1	9
13	Protein Paper from Exfoliated Eri Silk Nanofibers. <i>Biomacromolecules</i> , 2020 , 21, 1303-1314	6.9	7
12	Using atomic force spectroscopy to study oil/mineral interactions at reservoir temperatures and pressures. <i>Fuel</i> , 2020 , 259, 116194	7.1	7
11	Direct Measurement of the Interfacial Attractions between Functionalized Graphene and Polymers in Nanocomposites 2010 ,		5
10	Boron Nitride Nanotube Impurity Detection and Purity Verification. <i>Chemistry of Materials</i> , 2020 , 32, 9090-9097	9.6	5
9	Assessing graphene oxide/polymer interfacial interactions by way of peeling test. <i>Surface Innovations</i> , 2016 , 4, 158-166	1.9	5
8	Surface-Initiated Passing-through Zwitterionic Polymer Brushes for Salt-Selective and Antifouling Materials. <i>Macromolecules</i> , 2020 , 53, 10278-10288	5.5	3
7	Peeling in Biological and Bioinspired Adhesive Systems. <i>Jom</i> , 2020 , 72, 1509-1522	2.1	2
6	Advanced Manufacturing for Biomaterials and Biological Materials, Part I. <i>Jom</i> , 2020 , 72, 1151-1153	2.1	2
5	PHONON-INDUCED ANISOTROPIC DISPERSION FORCES ON A METALLIC SUBSTRATE. <i>Nano LIFE</i> , 2012 , 02, 1240001	0.9	2
4	Silk Protein Paper with In Situ Synthesized Silver Nanoparticles. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000357	5.5	2
3	Protein-Based Structural Materials. <i>Jom</i> , 2019 , 71, 1245-1247	2.1	0
2	Advanced Manufacturing for Biomaterials and Biological Materials, Part II. <i>Jom</i> , 2020 , 72, 1432-1434	2.1	
1	Spider Silk: Brown Recluse Spider's Nanometer Scale Ribbons of Stiff Extensible Silk (Adv. Mater. 48/2013). <i>Advanced Materials</i> , 2013 , 25, 7027-7027	24	