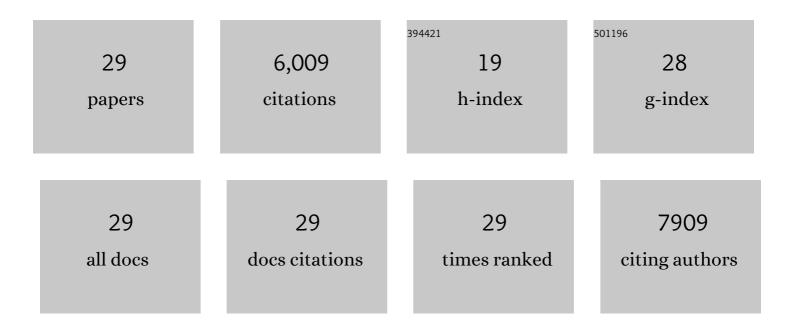
Sambhu Bhadra

List of Publications by Year in descending order

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SAMBHII RHADDA

#	Article	IF	CITATIONS
1	Recent advances in graphene based polymer composites. Progress in Polymer Science, 2010, 35, 1350-1375.	24.7	2,949
2	Progress in preparation, processing and applications of polyaniline. Progress in Polymer Science, 2009, 34, 783-810.	24.7	1,619
3	Electrochemical synthesis of polyaniline and its comparison with chemically synthesized polyaniline. Journal of Applied Polymer Science, 2007, 104, 1900-1904.	2.6	162
4	Determination of crystal structure of polyaniline and substituted polyanilines through powder X-ray diffraction analysis. Polymer Testing, 2008, 27, 851-857.	4.8	155
5	Polyaniline by new miniemulsion polymerization and the effect of reducing agent on conductivity. Synthetic Metals, 2006, 156, 1148-1154.	3.9	133
6	Effect of dopant type on the properties of polyaniline. Journal of Applied Polymer Science, 2009, 112, 3135-3140.	2.6	131
7	Improvement of conductivity of electrochemically synthesized polyaniline. Journal of Applied Polymer Science, 2008, 108, 57-64.	2.6	112
8	Extrinsic and intrinsic structural change during heat treatment of polyaniline. Polymer Degradation and Stability, 2008, 93, 1094-1099.	5.8	96
9	Dielectric properties and EMI shielding efficiency of polyaniline and ethylene 1-octene based semi-conducting composites. Current Applied Physics, 2009, 9, 396-403.	2.4	82
10	Effect of aromatic substitution in aniline on the properties of polyaniline. European Polymer Journal, 2008, 44, 1763-1770.	5.4	78
11	Effect of different reaction parameters on the conductivity and dielectric properties of polyaniline synthesized electrochemically and modeling of conductivity against reaction parameters through regression analysis. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2046-2059.	2.1	75
12	Degradation and stability of polyaniline on exposure to electron beam irradiation (structure–property relationship). Polymer Degradation and Stability, 2007, 92, 1824-1832.	5.8	70
13	Dual functionality of PTSA as electrolyte and dopant in the electrochemical synthesis of polyaniline, and its effect on electrical properties. Polymer International, 2007, 56, 919-927.	3.1	59
14	Preparation of nanosize polyaniline by solidâ€state polymerization and determination of crystal structure. Polymer International, 2009, 58, 1173-1180.	3.1	50
15	Semiconductive composites from ethylene 1â€octene copolymer and polyaniline coated nylon 6: Studies on mechanical, thermal, processability, electrical, and EMI shielding properties. Polymer Engineering and Science, 2008, 48, 995-1006.	3.1	47
16	In situ preparation of polyaniline coated fumed and precipitated silica fillers and their composites with nitrile rubber (Investigation on structure-property relationship). European Polymer Journal, 2007, 43, 4332-4343.	5.4	38
17	Glass–rubber transition temperature of polyaniline: Experimental and molecular dynamic simulation. Synthetic Metals, 2009, 159, 1141-1146.	3.9	37
18	Synthesis of water soluble sulfonated polyaniline and determination of crystal structure. Journal of Applied Polymer Science, 2010, 117, 2025-2035.	2.6	37

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#	Article	IF	CITATIONS
19	Synthesis of higher soluble nanostructured polyaniline by vaporâ€phase polymerization and determination of its crystal structure. Journal of Applied Polymer Science, 2009, 114, 331-340.	2.6	20
20	Mechanical, dynamic mechanical, morphological, thermal behavior and processability of polyaniline and ethylene 1â€octene based semiâ€conducting composites. Journal of Applied Polymer Science, 2008, 107, 2486-2493.	2.6	15
21	New hyperbranched polymers for membranes of highâ€ŧemperature polymer electrolyte membrane fuel cells: Determination of the crystal structure and freeâ€volume size. Journal of Applied Polymer Science, 2011, 121, 923-929.	2.6	12
22	Possibility of artocarpus heterophyllus latex as an alternative source for natural rubber. Polymer Testing, 2019, 79, 106066.	4.8	12
23	Thermal oxidation of graphite as the first step for graphene preparation: effect of heating temperature and time. Journal of Materials Science, 2021, 56, 3675-3691.	3.7	10
24	Rheological properties, shearâ€dependent electrical resistance, and settling phenomena of polyaniline in ECO solution. Journal of Applied Polymer Science, 2009, 114, 238-245.	2.6	4
25	Tailor-made one-part epoxy resin for tire compound to improve ride and handling and reduce rolling resistance. Materials Today: Proceedings, 2022, , .	1.8	2
26	A novel economically viable method of preparation of graphene-rubber masterbatch for its application in tyre compound. Materials Today: Proceedings, 2022, 62, 7113-7117.	1.8	2
27	Suitability of different biomaterials for the application in tire. SN Applied Sciences, 2019, 1, 1.	2.9	1
28	Efficiency of different methods of oxidation of graphite: a key route of graphene preparation. Graphene and 2D Materials Technologies, 2021, 6, 1-11.	1.3	1
29	Identification of glycerol as a novel accelerator for sulphur vulcanization of unsaturated rubbers. Journal of Elastomers and Plastics, 2022, 54, 319-338.	1.5	0