Maruthapandi Moorthy

List of Publications by Year
in descending order

25	820	471371	580701
papers	citations	17 h-index	25 g-index

25	25	25	771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polydopamine decorated carbon dots nanocomposite as an effective adsorbent for phenolic compounds. Journal of Applied Polymer Science, 2022, 139, 51769.	1.3	3
2	Antimicrobial Activities of Conducting Polymers and Their Composites. Macromol, 2022, 2, 78-99.	2.4	24
3	Cellulose Nanocrystals (CNC)-Based Functional Materials for Supercapacitor Applications. Nanomaterials, 2022, 12, 1828.	1.9	15
4	Green Synthesis of Multifunctional Carbon Dots with Antibacterial Activities. Nanomaterials, 2021, 11, 369.	1.9	69
5	Photocatalytic Degradation of Organic Dyes and Antimicrobial Activities by Polyanilineâ€“Nitrogen-Doped Carbon Dot Nanocomposite. Nanomaterials, 2021, 11, 1128.	1.9	31
6	Antibacterial and In Vivo Studies of a Green, One-Pot Preparation of Copper/Zinc Oxide Nanoparticle-Coated Bandages. Membranes, 2021, 11, 462.	1.4	11
7	Facile ultrasonic preparation of a polypyrrole membrane as an absorbent for efficient oil-water separation and as an antimicrobial agent. Ultrasonics Sonochemistry, 2021, 78, 105746.	3.8	10
8	Microbial inhibition and biosensing with multifunctional carbon dots: Progress and perspectives. Biotechnology Advances, 2021, 53, 107843.	6.0	24
9	Effective degradation of cellulose by Microwave irradiation in alkaline solution. Cellulose, 2021, 28, 11275-11285.	2.4	6
10	Sonochemical preparation of polyaniline@TiO2 and polyaniline@SiO2 for the removal of anionic and cationic dyes. Ultrasonics Sonochemistry, 2020, 62, 104864.	3.8	33
11	Antimicrobial Activities of Zn-Doped CuO Microparticles Decorated on Polydopamine against Sensitive and Antibiotic-Resistant Bacteria. ACS Applied Polymer Materials, 2020, 2, 5878-5888.	2.0	38
12	Antimicrobial Properties of the Polyaniline Composites against Pseudomonas aeruginosa and Klebsiella pneumoniae. Journal of Functional Biomaterials, 2020, 11, 59.	1.8	14
13	Applications of N-Doped Carbon Dots as Antimicrobial Agents, Antibiotic Carriers, and Selective Fluorescent Probes for Nitro Explosives. ACS Applied Bio Materials, 2020, 3, 8023-8031.	2.3	86
14	Antimicrobial Properties of Polyaniline and Polypyrrole Decorated with Zinc-Doped Copper Oxide Microparticles. Polymers, 2020, 12, 1286.	2.0	38
15	Nitrogen-Enriched Porous Benzimidazole-Linked Polymeric Network for the Adsorption of La (III), Ce (III), and Nd (III). Journal of Physical Chemistry C, 2020, 124, 6206-6214.	1.5	13
16	Silica-Supported Nitrogen-Enriched Porous Benzimidazole-Linked and Triazine-Based Polymers for the Adsorption of CO₂. Langmuir, 2020, 36, 4280-4288.	1.6	8
17	Antibacterial activities of microwave-assisted synthesized polypyrrole/chitosan and poly (pyrrole-N-(1-naphthyl) ethylenediamine) stimulated by C-dots. Carbohydrate Polymers, 2020, 243, 116474.	5.1	36
18	A Short Report on the Polymerization of Pyrrole and Its Copolymers by Sonochemical Synthesis of Fluorescent Carbon Dots. Polymers, 2019, 11, 1240.	2.0	21

#	Article	IF	Citations
19	Kinetic, isotherm and mechanism studies of organic dye adsorption on poly(4,4â€²-oxybisbenzenamine) and copolymer of poly(4,4â€²-oxybisbenzenamine-pyrrole) macro-nanoparticles synthesized by multifunctional carbon dots. New Journal of Chemistry, 2019, 43, 1926-1935.	1.4	39
20	Carbon-Dot Initiated Synthesis of Polypyrrole and Polypyrrole@CuO Micro/Nanoparticles with Enhanced Antibacterial Activity. ACS Applied Polymer Materials, 2019, 1, 1181-1186.	2.0	72
21	Antibacterial Activity against Methicillin-Resistant Staphylococcus aureus of Colloidal Polydopamine Prepared by Carbon Dot Stimulated Polymerization of Dopamine. Nanomaterials, 2019, 9, 1731.	1.9	36
22	Novel polymerization of aniline and pyrrole by carbon dots. New Journal of Chemistry, 2018, 42, 535-540.	1.4	47
23	Fabrication of poly (4,4â€²-oxybisbenzenamine) and its conjugated copolymers initiated by easily accessible carbon dots. European Polymer Journal, 2018, 109, 153-161.	2.6	17
24	Kinetics, Isotherm, and Thermodynamic Studies of Methylene Blue Adsorption on Polyaniline and Polypyrrole Macroâ€“Nanoparticles Synthesized by C-Dot-Initiated Polymerization. ACS Omega, 2018, 3, 7196-7203.	1.6	94
25	Carbon Dot Initiated Synthesis of Poly(4,4â€²-diaminodiphenylmethane) and Its Methylene Blue Adsorption. ACS Omega, 2018, 3, 7061-7068.	1.6	35