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Grafting of Diallyldimethylammonium chloride on Graphene Oxide by RAFT Polymerization for modification of Nanocomposite Polysulfone Membranes Using in Water Treatment

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ACCEPTED MANUSCRIPT

Grafting of Diallyldimethylammonium chloride on Graphene Oxide by RAFT

Polymerization for modification of Nanocomposite Polysulfone Membranes

Using in Water Treatment

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Abbreviation

RAFT Reversible Addition Fragmentation chain Transfer

GO Graphene Oxide

PDADMAC Poly(diallyldimethylammonium chloride)

PSf Polysulfone

GO-PDADMAC Graphene Oxide-Poly(diallyldimethylammonium chloride)

CA Contact angle

DMF N,N-dimethylformamide BPB 2-bromopropinyl bromide

FRR Flux recovery ratio PWF Pure water flux

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