

Article

Water Purification and Electrochemical Oxidation: Meeting Different Targets with BDD and MMO Anodes

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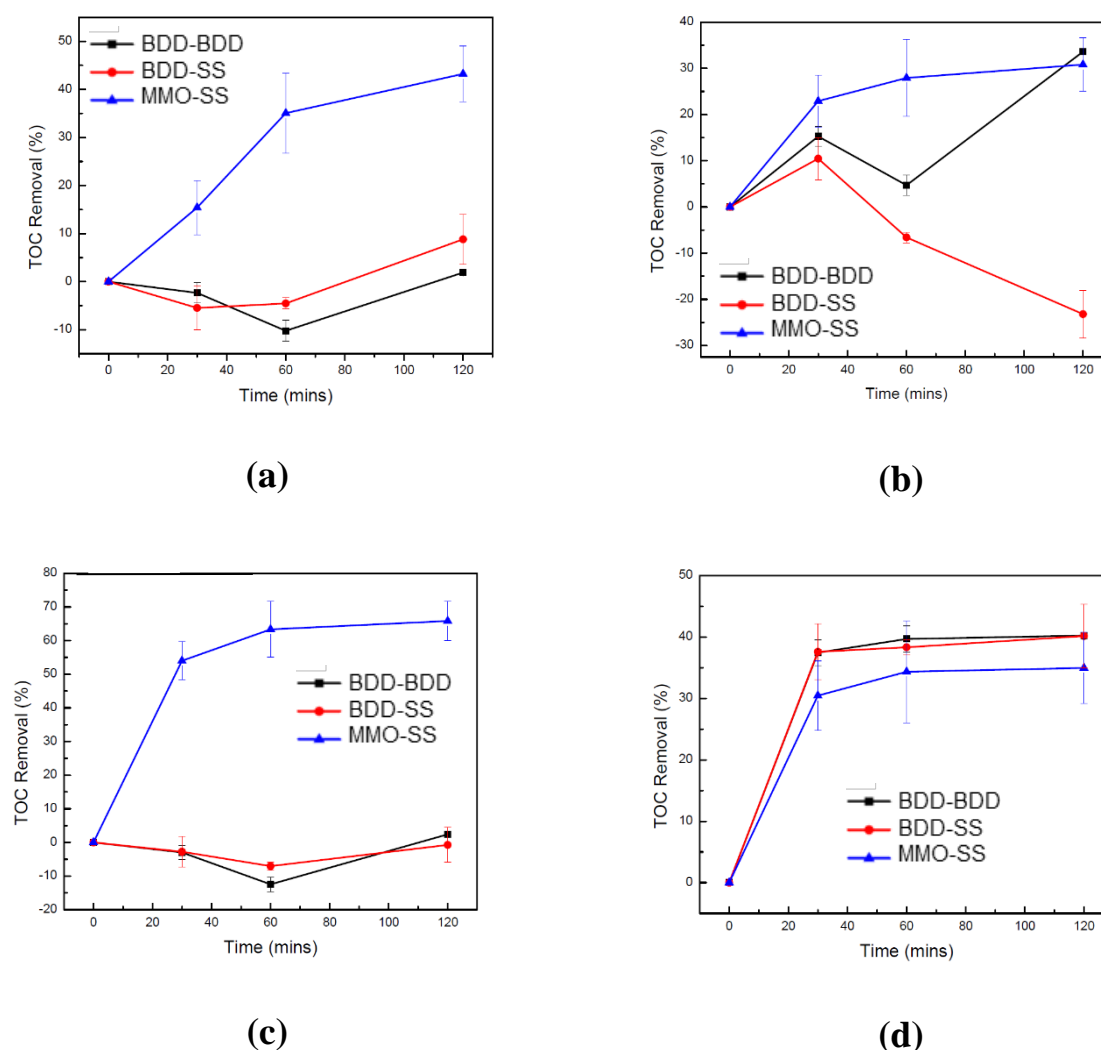


Figure S1. TOC Removal using BDD-BDD, BDD-SS, and MMO-SS electrode setups. (a) pH 6.5; current density: 10 mA cm⁻² (b) pH 6.5; current density: 20 mA cm⁻² (c) pH 8.5; current density: 10 mA cm⁻² (d) pH 8.5; current density: 20 mA cm⁻².

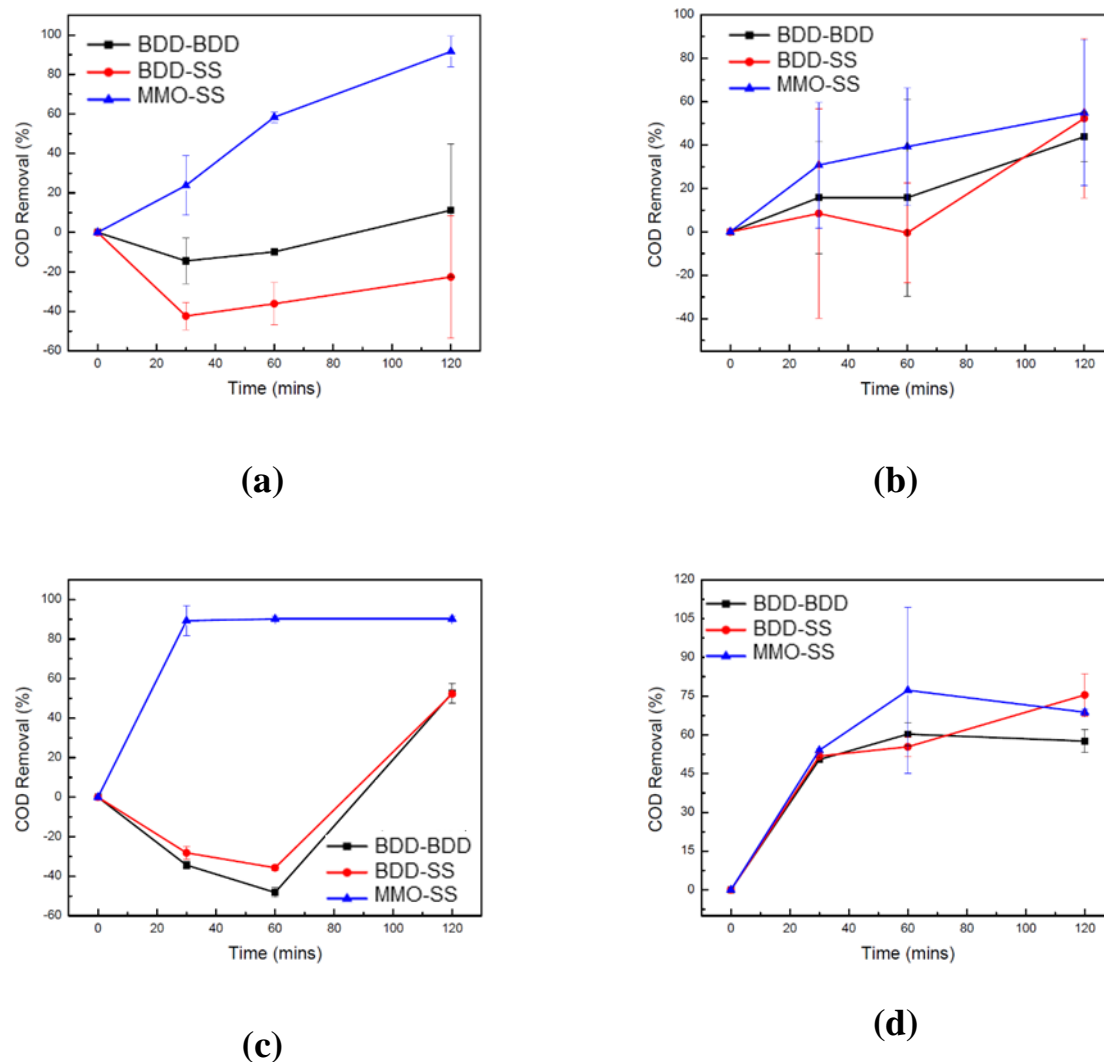


Figure S2. COD removal COD using BDD-BDD, BDD-SS, and MMO-SS electrode setups. (a) pH 6.5; current density: 10 mA cm⁻² (b) pH 6.5; current density: 20 mA cm⁻² (c) pH 8.5; current density: 10 mA cm⁻² d) pH 8.5; current density: 20 mA cm⁻².

Table S1. Summary of TOC and COD removal results for each electrode configuration and the two pHs.

Electrode setup	pH	j (mA cm ⁻²)	TOC removal (%)	COD removal (%)
BDD-BDD	6.5	10	2.4	-17.7
BDD-SS			-0.7	3.8
MMO-SS			65.8	91.6
BDD-BDD		20	~40	~58
BDD-SS			~40	~75
MMO-SS			~35	~69
BDD-BDD	8.5	10	1.9	43.8
BDD-SS			8.8	52.8
MMO-SS			43.2	~55
BDD-BDD		20	~53	~63
BDD-SS			~1	~52
MMO-SS				

MMO-SS	8.5	20	~14	~90
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