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Biodesulfurization of dibenzothiophene by a newly isolated Rhodococcus erythropolis strain

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#	Paper	IF	Citations
133	Novel biosynthesis of (R)-ethyl-3-hydroxyglutarate with (R)-enantioselective hydrolysis of racemic ethyl 4-cyano-3-hydroxybutyate by Rhodococcus erythropolis. 2010 , 87, 1335-45		22
132	Study of the adsorption reactions of thiophene on Cu(I)/HY-Al2O3 by Fourier transform infrared and temperature-programmed desorption: adsorption, desorption, and sorbent regeneration mechanisms. 2011 , 27, 11999-2007		40
131	Adsorptive Removal of Thiophene by Cu-Modified Mesoporous Silica MCM-48 Derived from Direct Synthesis. <i>Energy & Derived Synthesis</i> .	4.1	48
130	Reconstruction of a genome-scale metabolic network of Rhodococcus erythropolis for desulfurization studies. 2011 , 7, 3122-31		27
129	Flux-based analysis of sulfur metabolism in desulfurizing strains of Rhodococcus erythropolis. 2011 , 315, 115-21		20
128	Toxicity evaluation of 2-hydroxybiphenyl and other compounds involved in studies of fossil fuels biodesulphurisation. <i>Bioresource Technology</i> , 2011 , 102, 9162-6	11	33
127	Novel organic solvent-responsive expression vectors for biocatalysis: application for development of an organic solvent-tolerant biodesulfurizing strain. <i>Bioresource Technology</i> , 2011 , 102, 9380-7	11	21
126	Enhanced biodesulfurization by expression of dibenzothiophene uptake genes in Rhodococcus erythropolis. 2011 , 27, 1965-1970		16
125	In situ XAS study on the mechanism of reactive adsorption desulfurization of oil product over Ni/ZnO. 2011 ,		14
124	Detection of horizontal gene transfers from phylogenetic comparisons. 2012 , 2012, 813015		6
123	Mechanistic investigations on the adsorption of thiophene over Zn3NiO4 bimetallic oxide cluster. 2012 , 258, 10148-10153		19
122	Production of ultra-low-sulfur gasoline: an equilibrium and kinetic analysis on adsorption of sulfur compounds over Ni/MMS sorbents. 2012 , 239-240, 370-80		32
121	H2S removal and bacterial structure along a full-scale biofilter bed packed with polyurethane foam in a landfill site. <i>Bioresource Technology</i> , 2013 , 147, 52-58	11	29
120	Biochemical methods of crude hydrocarbon desulfurization. 2013 , 3, 296-311		8
119	Bio-catalytic desulfurization of fossil fuels: a mini review. 2013 , 12, 9-23		52
118	Deep desulfurization of model gasoline by selective adsorption over Culle bimetal ion-exchanged Y zeolite. 2013 , 116, 52-62		82
117	A review on reactive adsorption for potential environmental applications. 2013, 19, 161-188		49

(2015-2013)

116	coexpression of a high sulfur peptide and directed evolution. <i>Fuel</i> , 2013 , 112, 385-390	31
115	Genetic analysis of benzothiophene biodesulfurization pathway of Gordonia terrae strain C-6. <i>PLoS ONE</i> , 2013 , 8, e84386	23
114	Membrane transport systems and the biodegradation potential and pathogenicity of genus Rhodococcus. 2014 , 5, 133	39
113	A novel Bacillus pumilus-related strain from tropical landfarm soil is capable of rapid dibenzothiophene degradation and biodesulfurization. 2014 , 14, 257	6
112	Biodesulfurization of a system containing synthetic fuel using Rhodococcus erythropolis ATCC 4277. 2014 , 174, 2079-85	15
111	Efficient adsorptive removal of dibenzothiophene by graphene oxide-based surface molecularly imprinted polymer. 2014 , 4, 1469-1475	52
110	Fructophilic behaviour of Gordonia alkanivorans strain 1B during dibenzothiophene desulfurization process. 2014 , 31, 73-9	24
109	Facile Route for Fuel Desulfurization Using Generated Superoxide Ion in Ionic Liquids. 2015 , 54, 12263-12269	20
108	Functional monomer screening and preparation of dibenzothiophene-imprinted polymers on the surface of carbon microsphere. 2015 , 146, 449-458	10
107	Stimulation of rhamnolipid biosurfactants production in AK6U by organosulfur compounds provided as sulfur sources. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015 , 7, 55-63	22
106	Biocatalytic desulfurization of thiophenic compounds and crude oil by newly isolated bacteria. 2015 , 6, 112	37
105	Designing recyclable Cu/ZrSBA-15 for efficient thiophene removal. 2015 , 217, 21-29	25
104	Photooxidative Extractive deep desulfurization of diesel using CuEe/TiO 2 and eutectic ionic liquid. <i>Fuel</i> , 2015 , 156, 54-62	46
103	Effect of metal ions and metal nanoparticles encapsulated in porous silica on biphenyl biodegradation by Rhodococcus erythropolis T902.1. 2015 , 75, 235-245	5
102	Desulfurization and denitrogenation of heavy gas oil by Rhodococcus erythropolis ATCC 4277. 2015 , 38, 1447-53	32
101	Ultrasound assisted biodesulfurization of liquid fuel using free and immobilized cells of Rhodococcus rhodochrous MTCC 3552: A mechanistic investigation. <i>Bioresource Technology</i> , 2015 , 11 187, 369-378	69
100	Designing a New Recombinant Indigenous Klebsiella oxytoca ISA4 by Cloning of dsz Genes. 2015 , 37, 2056-2063	6
99	Biosynthesis of 1,2-dihydroxydibenzofuran by magnetically immobilized cells of Escherichia coli expressing phenol hydroxylase in liquid-liquid biphasic systems. <i>Bioresource Technology</i> , 2015 , 197, 72-8 ¹¹	4

98	Isolation and classification of a soil actinomycete capable of sulphur-specific biotransformation of dibenzothiophene, benzothiophene and thianthrene. <i>Journal of Applied Microbiology</i> , 2015 , 118, 62-74 4-7	15
97	Biodesulfurization: a mini review about the immediate search for the future technology. 2015 , 17, 29-37	89
96	Kinetic model for microbial growth and desulphurisation with Enterobacter sp. 2015, 37, 375-81	4
95	Biocatalytic Desulfurization Capabilities of a Mixed Culture during Non-Destructive Utilization of Recalcitrant Organosulfur Compounds. 2016 , 7, 266	18
94	Biological devulcanization of ground natural rubber by Gordonia desulfuricans DSM 44462(T) strain. 2016 , 100, 8931-42	16
93	Biodesulfurization of diesel fuels [Past, present and future perspectives. 2016 , 110, 163-180	109
92	Fuel desulfurization/denitrification via adsorption or extraction: A complementary approach to oxidative treatments. 2016 , 38, 2290-2298	3
91	Enhancement of dibenzothiophene biodesulfurization by weakening the feedback inhibition effects based on a systematic understanding of the biodesulfurization mechanism by Gordonia sp. through the potential BSIpathway. 2016 , 6, 82872-82881	10
90	Mesoporous graphitic carbon nitride as photo-catalyst for oxidative desulfurization with oxygen. 2016 , 85, 5-8	27
89	Porous Carbon Microspheres: An Excellent Support To Prepare Surface Molecularly Imprinted Polymers for Selective Removal of Dibenzothiophene in Fuel Oil. 2016 , 55, 1710-1719	29
88	Green Carboxylic Acid-Based Deep Eutectic Solvents as Solvents for Extractive Desulfurization. Energy & Carboxylic Acid-Based Deep Eutectic Solvents as Solvents for Extractive Desulfurization. 4.1	107
87	Physical insight into ultrasound-assisted biodesulfurization using free and immobilized cells of Rhodococcus rhodochrous MTCC 3552. <i>Chemical Engineering Journal</i> , 2016 , 295, 254-267	38
86	Biodegradation of dibenzothiophene and its application in the production of clean coal. 2016 , 152, 325-342	34
85	Engineering synthetic bacterial consortia for enhanced desulfurization and revalorization of oil sulfur compounds. 2016 , 35, 46-54	58
84	Oxidative desulfurization of model fuels with pure nano-TiO2 as catalyst directly without UV irradiation. <i>Fuel</i> , 2016 , 167, 9-16	57
83	Isolation and characterization of Pseudomonas sp. NAF1 and its application in biodegradation of crude oil. 2016 , 75, 1	13
82	Surface molecularly imprinted polymers grafted on ordered mesoporous carbon nanospheres for fuel desulfurization. 2016 , 6, 12504-12513	25
81	Cation Enion double hydrolysis derived mesoporous mixed oxides for reactive adsorption desulfurization. 2017 , 238, 36-45	11

(2018-2017)

80	medium composition and evaluation of low-cost alternative media. 2017 , 92, 2376-2382		11
79	Desulfurization of gasoline using acrylonitrile electrospun nanofibers and lead nanoparticles. 2017 , 14, 1489-1496		3
78	Insights into DBT biodegradation by a native Rhodococcus strain and its sulphur removal efficacy for two Indian coals and calcined pet coke. 2017 , 120, 124-134		22
77	Enhancement of oxidative desulfurization performance over amorphous titania by doping MIL-101(Cr). 2017 , 254, 114-120		12
76	Binary Isotherm Modeling for Simultaneous Desulfurization and Denitrogenation of Model Fuel by Zinc Loaded Activated Carbon. 2017 , 15,		3
75	Biodesulphurization of gasoline by Rhodococcus erythropolis supported on polyvinyl alcohol. <i>Letters in Applied Microbiology</i> , 2017 , 64, 370-378	2.9	9
74	Reactive Adsorption Desulfurization on Cu/ZnO Adsorbent: Effect of ZnO Polarity Ratio on Selective Hydrogenation. <i>Energy & Energy & 2017</i> , 31, 9930-9938	4.1	9
73	Biodesulphurization of thiophene as a sulphur model compound in crude oils by Pseudomonas aeruginosa supported on polyethylene. 2017 , 24, 371-379		6
72	Investigation of metal-exchanged mesoporous Y zeolites for the adsorptive desulfurization of liquid fuels. 2017 , 201, 359-369		119
71	Biodesulfurization of Sour Crude Oil. 2017 , 11, 104		7
70	Biological treatment of toxic refinery spent sulfidic caustic at low dilution by sulfur-oxidizing fungi. 2018 , 6, 2762-2767		13
69	Fabrication and evaluation of hollow surface molecularly imprinted polymer for rapid and selective adsorption of dibenzothiophene. <i>Chemical Engineering Journal</i> , 2018 , 345, 414-424	14.7	47
68	Characterization of Truncated dsz Operon Responsible for Dibenzothiophene Biodesulfurization in Rhodococcus sp. FUM94. 2018 , 184, 885-896		5
67	High removal of thiophene from model gasoline by porous MIL-101(Cr)/SA hybrid membrane 2018 , 8, 41003-41011		O
66	New Cu2O-SiO2 Composite Aerogel-like Desulfurization Adsorbents with Different Molar Ratio of Si/Cu Based on Ecomplexation. <i>Energy & Description</i> 2018, 32, 13004-13014	4.1	12
65	Electric Field Assisted Technology for Improving the Screening and Application of a Thiophene-Biodegrading Strain. <i>Energy & Energy</i> 2018, 32, 12495-12500	4.1	1
64	Enhancement of BDS Efficiency. 2018 , 753-894		
63	Challenges and Opportunities. 2018 , 973-1117		

62 Microbial Attack of Organosulfur Compounds. **2018**, 375-458

61	Enzymology and Genetics of Biodesulfurization Process. 2018 , 459-520	
60	Factors Affecting the Biodesulfurization Process. 2018 , 521-637	
59	Kinetics of Batch Biodesulfurization Process. 2018 , 639-752	
58	Biotransfromation of Dibenzothiophene by Resting Cells of a Newly Isolated Serratia marscens Sp. Strain Originated from Industrial Wastewater. 2018 , 09,	1
57	Thermophilic biodesulfurization and its application in oil desulfurization. 2018 , 102, 9089-9103	34
56	Synergetic Effect of Cobalt-Incorporated Acid-Activated GAC for Adsorptive Desulfurization of DBT under Mild Conditions. 2018 , 63, 2975-2985	10
55	Ordered mesoporous Cu-ZnO-Al2O3 adsorbents for reactive adsorption desulfurization with enhanced sulfur saturation capacity. 2018 , 39, 1543-1551	21
54	An overview of conventional and alternative technologies for the production of ultra-low-sulfur fuels. 2019 , 35, 669-705	32
53	Devulcanization of natural rubber vulcanizates by Bacillus cereus TISTR 2651. 2019 , 13, 877-888	18
52	Simulation-based protein engineering of FMN oxidoreductase (DszD). 2019 , 5, e02193	2
51	Adsorptive desulfurization of liquid hydrocarbons using zeolite-based sorbents: a comprehensive review. 2019 , 4, 1357-1386	40
50	Heterogeneous oxidative desulfurization catalysed by titanium grafted mesoporous silica nanoparticles containing tethered hydrophobic ionic liquid: A dual activation mechanism. 2019 , 587, 117241	8
49	Intensified desulfurization of simulated crude diesel containing thiophene using ultrasound and ultraviolet irradiation. 2019 , 58, 104612	9
48	A Comprehensive Review on Catalytic Oxidative Desulfurization of Liquid Fuel Oil. 2019, 9, 229	83
47	Enzymatic Desulfurization of Crude Oil and Its Fractions: A Mini Review on the Recent Progresses and Challenges. 2019 , 44, 5181-5193	9
46	Investigations in enhancement biodesulfurization of model compounds by ultrasound pre-oxidation. 2019 , 54, 110-120	22
45	Biodesulfurization of high sulfur coal from Shanxi: Optimization of the desulfurization parameters of three kinds of bacteria. 2020 , 42, 2297-2315	8

(2021-2020)

44	A new simple protocol for the synthesis of nanohybrid catalyst for oxidative desulfurization of dibenzothiophene. 2020 , 27, 4104-4114		8
43	Desulfurization of Gasoline Fuel via Photocatalytic Oxidation/Adsorption Using NaX Zeolite-Based under Mild Conditions: Process Optimization by Central Composite Design. 2020 , 93, 973-982		6
42	Sequential desulfurization of thiol compounds containing liquid fuels: Adsorption over Ni-doped carbon beads followed by biodegradation using environmentally isolated Bacillus zhangzhouensis. <i>Fuel</i> , 2020 , 277, 118208	7.1	4
41	Reaction Mechanism and Determinants for Efficient Catalysis by DszB, a Key Enzyme for Crude Oil Bio-desulfurization. 2020 , 10, 9545-9554		17
40	The bacterial 4S pathway han economical alternative for crude oil desulphurization that reduces CO2 emissions. 2020 , 22, 7604-7621		2
39	Diesel-born organosulfur compounds stimulate community re-structuring in a diesel-biodesulfurizing consortium. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 28, e00572	5.3	3
38	Oxidative Bio-Desulfurization by Nanostructured Peroxidase Mediator System. 2020 , 10, 313		7
37	Aminoperoxide adducts expand the catalytic repertoire of flavin monooxygenases. 2020 , 16, 556-563		26
36	COD removal from industrial spent caustic wastewater: A review. 2020 , 8, 103678		22
35	Elevated c-di-GMP levels promote biofilm formation and biodesulfurization capacity of Rhodococcus erythropolis. 2021 , 14, 923-937		2
34	Biodesulfurization of refractory sulfur compounds in petro-diesel by a novel hydrocarbon tolerable strain Paenibacillus glucanolyticus HN4. 2021 , 28, 8102-8116		8
33	Formation and use of anaerobic consortia for the biotransformation of sulfur-containing extracts from pre-oxidized crude oil and oil fractions. <i>Bioresource Technology</i> , 2021 , 319, 124248	11	5
32	Synthesis of amorphous mesoporous TiO2-SiO2 and its excellent catalytic performance in oxidative desulfurization. <i>Inorganic Chemistry Communication</i> , 2021 , 123, 108336	3.1	4
31	Combining co-culturing of Paenibacillus strains and Vitreoscilla hemoglobin expression as a strategy to improve biodesulfurization. <i>Letters in Applied Microbiology</i> , 2021 , 72, 484-494	2.9	2
30	Experimental study and mass transfer modelling for extractive desulfurization of diesel with ionic liquid in microreactors. <i>Chemical Engineering Journal</i> , 2021 , 413, 127419	14.7	11
29	Density functional theory study of thiophene desulfurization and conversion of desulfurization products on the Ni(111) surface and Ni55 cluster: implication for the mechanism of reactive adsorption desulfurization over Ni/ZnO catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 1615-1625	5.5	4
28	The devil is in the details: The chemical basis and mechanistic versatility of flavoprotein monooxygenases. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 698, 108732	4.1	15
27	Characterization and genomic analysis of 135, a promising dibenzothiophene-degrading strain. Biotechnology Reports (Amsterdam, Netherlands), 2021, 29, e00591	5.3	0

26	Oil biodesulfurization: A review of applied analytical techniques. <i>Journal of Chromatography B:</i> Analytical Technologies in the Biomedical and Life Sciences, 2021 , 1171, 122602	3.2	7
25	Oxidative desulfurization of dibenzothiophene by magnetically recoverable polyoxometalate-based nanocatalyst: Optimization by response surface methodology. <i>Molecular Catalysis</i> , 2021 , 509, 111611	3.3	2
24	Science and Technology Progress on the Desulfurization Process of Crude Oil. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 1066-1081	1.2	1
23	Bacterial flavoprotein monooxygenase YxeK salvages toxic S-(2-succino)-adducts via oxygenolytic C-S bond cleavage. <i>FEBS Journal</i> , 2021 ,	5.7	O
22	Efficient catalyst development for deep aerobic photocatalytic oxidative desulfurization: recent advances, confines, and outlooks. <i>Catalysis Reviews - Science and Engineering</i> , 1-46	12.6	25
21	Differential desulfurization of dibenzothiophene by newly identified MTCC strains: Influence of Operon Array. <i>PLoS ONE</i> , 2018 , 13, e0192536	3.7	19
20	Ni/ZnO Nano Sorbent for Reactive Adsorption Desulfurization of Refinery Oil Streams. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2016 , 216-239	0.2	3
19	Estudo das condills de crescimento do Rhodococcus erythropolis ATCC 1277.		
18	Simulation-Based protein engineering of R. erythropolis NADH-FMN Oxidoreductase.		
17	Successive bacterial desulfurization and regeneration of liquid fuel over Ni-doped carbon beads using a single Enterococcus faecium strain isolated from an industrial wastewater. <i>Fuel</i> , 2022 , 309, 1222	.89 ¹	O
16	Enhancing the biodesulfurization capacity of Rhodococcus sp. FUM94 in a biphasic system through optimization of operational factors <i>Journal of Applied Microbiology</i> , 2022 ,	4.7	2
15		T'/	
	Investigation of Different Metal Modified Y Zeolite Towards the Ultra-Deep Removal of Thiophene in Coke Oven Gas. SSRN Electronic Journal,	1	
14	in Coke Oven Gas. SSRN Electronic Journal, Sequential Approach to Liquid Fuel Desulfurization through Rhodococcus erythropolis Assisted		2
	in Coke Oven Gas. SSRN Electronic Journal, Sequential Approach to Liquid Fuel Desulfurization through Rhodococcus erythropolis Assisted	1	2
14	in Coke Oven Gas. SSRN Electronic Journal, Sequential Approach to Liquid Fuel Desulfurization through Rhodococcus erythropolis Assisted Molybdenum Modified Euryale ferox Biomass. Energy & amp; Fuels, 2022, 36, 1614-1625 Deep oxidative desulfurization via rGO-immobilized tin oxide nanocatalyst: Experimental and theoretical perspectives. Advanced Powder Technology, 2022, 33, 103499 Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using	4.1	
14	in Coke Oven Gas. SSRN Electronic Journal, Sequential Approach to Liquid Fuel Desulfurization through Rhodococcus erythropolis Assisted Molybdenum Modified Euryale ferox Biomass. Energy & amp; Fuels, 2022, 36, 1614-1625 Deep oxidative desulfurization via rGO-immobilized tin oxide nanocatalyst: Experimental and theoretical perspectives. Advanced Powder Technology, 2022, 33, 103499 Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using	4.1	1
14 13	in Coke Oven Gas. SSRN Electronic Journal, Sequential Approach to Liquid Fuel Desulfurization through Rhodococcus erythropolis Assisted Molybdenum Modified Euryale ferox Biomass. Energy & amp; Fuels, 2022, 36, 1614-1625 Deep oxidative desulfurization via rGO-immobilized tin oxide nanocatalyst: Experimental and theoretical perspectives. Advanced Powder Technology, 2022, 33, 103499 Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using mesoporous Ag3VO4. Chemical Engineering Journal, 2022, 441, 136063 Global trends in technologies and nanomaterials for removal of sulfur organic compounds: Clean energy and green environment. Journal of Molecular Liquids, 2022, 119340 Desulfurization mechanism of an excellent Cu/ZnO sorbent for ultra-deep removal of thiophene in	1 4.1 4.6 14.7	1

8 Microbial biodesulfurization. **2022**, 333-351

7	Intermolecular interactions induced desulfurization/denitrification of oil with deep eutectic solvents. 2022 , 120159	
6	Formulation of heterometallic ZIF-8@Cu/Ni/ZnO@CNTs heterostructure photocatalyst for Ultra-Deep desulphurization of coal and fuels. 2023 , 453, 139846	O
5	A review of advanced methods for ultra-deep desulfurization under mild conditions and the absence of hydrogen. 2023 , 11, 108997	О
4	Application of green synthesis nanocomposite adsorbents in the adsorption desulfurization of dibenzothiophene in model oil. 1-16	O
3	Enhanced BiVO4 photocatalytic and photoelectrocatalytic oxidative desulfurization performance via electrodeposited copper oxide nanoparticles. 2023 , 129,	O
2	Biodesulfurization Processes for the Removal of Sulfur from Diesel Oil: A Perspective Report. 2023 , 16, 2738	О
1	Bio-catalytic degradation of dibenzothiophene (DBT) in petroleum distillate (diesel) by Pseudomonas spp 2023 , 13,	0

1