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Monitoring petroleum fuel adulteration: A review of analytical methods

DOI: 10.1016/j.trac.2017.04.011

TrAC - Trends in Analytical Chemistry, 2017, 92, 1-11.

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#	Paper	IF	Citations
56	Trends of non-destructive analytical methods for identification of biodiesel feedstock in diesel-biodiesel blend according to European Commission Directive 2012/0288/EC and detecting diesel-biodiesel blend adulteration: A brief review. <i>Talanta</i> , 2018 , 180, 239-247	6.2	20
55	Screen-printed electrodes for quality control of liquid (Bio)fuels. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 210-220	14.6	11
54	Identification of volatiles from heated tobacco biomass using direct thermogravimetric analysisMass spectrometry and target factor analysis. <i>Thermochimica Acta</i> , 2018 , 668, 132-141	2.9	5
53	Analysis of biodiesel-diesel blends using ultrafast gas chromatography (UFGC) and chemometric methods: Extending ASTM D7798 to biodiesel. <i>Fuel</i> , 2018 , 231, 264-270	7.1	6
52	Rapid and Simultaneous Prediction of Eight Diesel Quality Parameters through ATR-FTIR Analysis. <i>Journal of Analytical Methods in Chemistry</i> , 2018 , 2018, 1795624	2	14
51	Hand-Held Refractometer-Based Measurement and Excess Permittivity Analysis Method for Detection of Diesel Oils Adulterated by Kerosene in Field Conditions. <i>Sensors</i> , 2018 , 18,	3.8	12
50	DNA Barcode Quantification As a Robust Tool for Measuring Mixing Ratios in Two-Component Systems.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 5062-5068	4.1	
49	Assessment of acute toxicity and cytotoxicity of fluorescent markers produced by cardanol and glycerol, which are industrial waste, to different biological models. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9193-9202	5.1	2
48	Determination of kerosene as an adulterant in diesel through chromatography and high-resolution mass spectrometry. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4
47	Gasoline Quality Sensor Based on Tilted Fiber Bragg Gratings. <i>Photonics</i> , 2019 , 6, 51	2.2	9
46	Detection of kerosene adulteration in automobile fuel with a novel metal clad planar waveguide. <i>Optics and Laser Technology</i> , 2019 , 119, 105589	4.2	5
45	Monitoring automobile fuel adulteration using ultrasound technique for environmental issues. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 150, 107004	4.6	6
44	Thermovolumetric and thermogravimetric analysis of diesel S10. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1507-1514	4.1	2
43	Graphene-oxide-coated fiber Bragg grating sensor for ethanol detection in petrol. <i>Measurement Science and Technology</i> , 2020 , 31, 025109	2	9
42	Treatment of diesel-contaminated soil using thermal water vapor arc plasma. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 43-54	5.1	5
41	Fuels and fuel additives from furfural derivatives via etherification and formation of methylfurans. <i>Fuel Processing Technology</i> , 2020 , 200, 106308	7.2	25
40	An experimental investigation of the physio-chemical properties of locally refined diesel oil. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 15, 100200	3.9	5

39	Determination of biodiesel and used cooking oil in automotive diesel/green diesel fuels through high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1629, 461512	4.5	2
38	Estimating fuel adulteration in automobiles using robust optical fiber sensors. <i>Microprocessors and Microsystems</i> , 2020 , 79, 103289	2.4	5
37	Why Aren't Embedded Fuel-Quality Sensors in Our Cars?. <i>IEEE Potentials</i> , 2020 , 39, 43-47	1	
36	Characteristics and thermal behavior of fresh and waste oil blends as supplement in diesel engines. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 16, 100266	3.9	3
35	Fuel Quality Monitoring by Color Detection. 2020 ,		2
34	Studying the stability of Solvent Red 19 and 23 as excise duty components under the influence of controlled factors. <i>Fuel Processing Technology</i> , 2020 , 206, 106465	7.2	0
33	Paper spray mass spectrometry for discriminating the quality of commercial gasolines. <i>Analytical Methods</i> , 2020 , 12, 1926-1934	3.2	2
32	Defining a waste vegetable oil-biodiesel based diesel substitute blend fuel by response surface optimization of density and calorific value. <i>Fuel</i> , 2021 , 283, 118978	7.1	9
31	Detection of Gasoline Adulteration Using Modified Distillation Curves and Artificial Neural Network. <i>Chemical Engineering and Technology</i> , 2021 , 44, 527-534	2	3
30	Five-lump kinetic approach on biofuel production from refined rubber seed oil over Cu/ZSM-5 catalyst via catalytic cracking reaction. <i>Renewable Energy</i> , 2021 , 171, 1445-1453	8.1	1
29	An experimental and modeling study of autoignition characteristics of two real low-octane gasoline fuels in a heated rapid compression machine at elevated pressures. <i>Fuel</i> , 2021 , 295, 120645	7.1	2
28	Utilization of a triple hexagonal split ring resonator (SRR) based metamaterial sensor for the improved detection of fuel adulteration. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 24258-24272	2.1	3
27	Odor-Based Nanomechanical Discrimination of Fuel Oils Using a Single Type of Designed Nanoparticles with Nonlinear Viscoelasticity. <i>ACS Omega</i> , 2021 , 6, 23389-23398	3.9	0
26	A hybrid structured PCF for fuel adulteration detection in terahertz regime. <i>Sensing and Bio-Sensing Research</i> , 2021 , 33, 100438	3.3	3
25	Analyses of used engine oils via atomic spectroscopy - Influence of sample pre-treatment and machine learning for engine type classification and lifetime assessment. <i>Talanta</i> , 2021 , 232, 122431	6.2	2
24	Fast Pyrolysis as a Valorization Mechanism for Banana Rachis and Low-Density Polyethylene Waste. <i>Chemical Engineering and Technology</i> , 2021 , 44, 2092	2	
23	Design and numerical analysis of an extremely sensitive PCF-based sensor for detecting kerosene adulteration in petrol and diesel. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 5419-5430	6.1	38
22	Data fusion of middle-resolution NMR spectroscopy and low-field relaxometry using the Common Dimensions Analysis (ComDim) to monitor diesel fuel adulteration. <i>Talanta</i> , 2022 , 236, 122838	6.2	0

21	Rapid Detection of Variability and Adulteration of Diesel Oils. 2018 ,		1
20	Application of Technology in Mitigating Refined Petroleum Shortages in the Nigerian Downstream Petroleum Supply Industry. <i>International Journal of Business and Applied Social Science</i> , 1-13	0	
19	Detection of Fuel Adulteration Using Wave Optical with Machine Learning Algorithms. <i>Computer Systems Science and Engineering</i> , 2022 , 41, 19-33	3.9	
18	Comparative Analyses of Physicochemical Properties of Artisanal Refined Gasoline and Regular Automotive Gasoline. <i>Frontiers in Chemistry</i> , 2020 , 8, 753	5	
17	Gas chromatography. 2022 , 145-245		0
16	Novel automatic model construction method for the rapid characterization of petroleum properties from near-infrared spectroscopy. <i>Fuel</i> , 2022 , 316, 123101	7.1	2
15	Compound specific stable isotope analysis of aromatics in diesel fuel to identify potential cocktailing.. <i>Forensic Science International</i> , 2022 , 334, 111244	2.6	0
14	A heptagonal PCF-based oil sensor to detect fuel adulteration using terahertz spectrum. <i>Sensing and Bio-Sensing Research</i> , 2022 , 36, 100485	3.3	2
13	Study of cyclic cataluminescence virtual sensor array for gasoline quality monitoring. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131901	8.5	0
12	Development and Sensitivity Analysis of rGO-TiO ₂ Coated eFBG Sensor for the Detection of Ethanol in Petrochemicals. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	1
11	On-site colorimetric detection of adulterated gasoline using highly reflective 1D photonic crystal sensors based on photo-crosslinked polymer/titania hybrids. 2022 , 371, 132488		0
10	Recent Advances in Nanomechanical Membrane-Type Surface Stress Sensors towards Artificial Olfaction. 2022 , 12, 762		3
9	The Influence of Extractant Composition on the Asphaltenes Extracted from Asphalt. 2022 , 12, 1600		0
8	Stainless Steel Foil-Based Label-Free Modular Thin-Film Electrochemical Detector for Solvent Identification. 2022 , 13, 2256		0
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6	Instant identification of Hydrocarbon spill types using laser-induced fluorescence and associated hyperspectral imaging.		0
5	Chemical (bio)sensors. 2023 , 91-98		0
4	Instant identification of hydrocarbon spill types using laser-induced fluorescence and associated hyperspectral imaging. 2023 , 55,		0

- 3 A new colorimetric paper-based detection of furfural vapor as a fuel marker. **2023**, 214, 111210 o
- 2 Petroleum-Based Indian Reference Materials (BND). **2023**, 1-19 o
- 1 A digital image colorimetry approach for identifying fuel types in downstream petroleum sector. **2023**, 15, 1443-1452 o