

# Kefa Karimu Onchoke

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

314  
citations

1163117

8  
h-index

888059

17  
g-index

30  
all docs

30  
docs citations

30  
times ranked

298  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Determination of Hexavalent Chromium (Cr(VI)) Concentrations via Ion Chromatography and UV-Vis Spectrophotometry in Samples Collected from Nacogdoches Wastewater Treatment Plant, East Texas (USA). <i>Advances in Environmental Chemistry</i> , 2016, 2016, 1-10. | 1.8 | 89        |
| 2  | Structure and Vibrational Spectra of Mononitrated Benzo[a]pyrenes. <i>Journal of Physical Chemistry A</i> , 2006, 110, 76-84.   | 2.5 | 39        |
| 3  | DENSITY FUNCTIONAL THEORETICAL STUDY OF NITRATED POLYCYCLIC AROMATIC HYDROCARBONS. <i>Polycyclic Aromatic Compounds</i> , 2004, 24, 37-64.  | 2.6 | 33        |
| 4  | Structural characterization and evaluation of municipal wastewater sludge (biosolids) from two rural wastewater treatment plants in East Texas, USA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 514-524.             | 3.9 | 20        |
| 5  | Optical Spectroscopic Studies of Mononitrated Benzo[a]pyrenes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12558-12565.   | 2.5 | 19        |
| 6  | DFT/TD-DFT investigation of optical absorption spectra, electron affinities, and ionization potentials of mono-nitrated benzantrhones. <i>Computational and Theoretical Chemistry</i> , 2011, 963, 40-50.   | 2.5 | 19        |
| 7  | A DFT study of the vibrational spectra of 1-, and 2-nitrotriphenylene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 579-587.  | 3.9 | 12        |
| 8  | Evaluation of the performance of a rural municipal wastewater treatment plant in Nacogdoches, East Texas (USA). <i>Chemistry and Ecology</i> , 2015, 31, 567-582.   | 1.6 | 9         |
| 9  | DENSITY FUNCTIONAL THEORETICAL STUDY OF MONO-NITRATED FLUORANTHENES. <i>Polycyclic Aromatic Compounds</i> , 2008, 28, 193-212.  | 2.6 | 8         |
| 10 | Structure–mutagenicity relationships and energies of 1-, and 2-nitrotriphenylenes. <i>Computational and Theoretical Chemistry</i> , 2009, 899, 79-85.   | 1.5 | 7         |
| 11 | Vibrational and electronic spectra of 9,10-dihydrobenzo(a)pyren-7(8H)-one and 7,8,9,10-tetrahydrobenzo(a)pyrene: An experimental and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 162-171.         | 3.9 | 7         |
| 12 | Experimental and theoretical study of vibrational spectra of 3-nitrofluoranthene. <i>Journal of Molecular Structure</i> , 2011, 999, 22-28.   | 3.6 | 7         |
| 13 | Evaluation and analysis of perlite and municipal wastewater sludge (biosolids) from three wastewater treatment plants in East Texas, USA. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 121.  | 2.7 | 7         |
| 14 | Vibrational and electronic spectra of 2-nitrobenzantrhene: An experimental and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 402-414.  | 3.9 | 6         |
| 15 | <sup>13</sup> C NMR chemical shift assignments of nitrated benzo[a]pyrenes based on two-dimensional techniques and DFT/GIAO calculations. <i>Results in Chemistry</i> , 2021, 3, 100099.  | 2.0 | 6         |
| 16 | A TD-DFT study of the absorption spectra of mono-nitrated fluoranthenes. <i>Computational and Theoretical Chemistry</i> , 2014, 1042, 23-34.  | 2.5 | 5         |
| 17 | A DFT Study of Vibrational Spectra and Mutagenicity Predictions of Mononitrated Fluoranthenes. <i>Polycyclic Aromatic Compounds</i> , 2013, 33, 473-500.  | 2.6 | 4         |
| 18 | Vibrational Spectroscopic Studies of Nitrated Polycyclic Aromatic Hydrocarbons (NPAHs): A Review (1960-2019). <i>Vibrational Spectroscopy</i> , 2020, 109, 103072.  | 2.2 | 4         |

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|----|---|--------|-----------|
| 19 | Electrochemical Characteristics of Benzanthrone Studied via Cyclic Voltammetry: Charge Transfer Redox Processes. <i>Analytical Chemistry Letters</i> , 2019, 9, 128-142.  | 1.0    | 3         |
| 20 | Evaluating bioavailability of elements in municipal wastewater sludge (Biosolids) from three rural wastewater treatment plants in East Texas (USA) by a sequential extraction procedure. <i>Results in Chemistry</i> , 2021, 3, 100211. | 2.0    | 3         |
| 21 | Data on ion composition and X-ray diffraction patterns of biosolids from wastewater treatment plants in Lufkin and Nacogdoches, Texas, USA. <i>Data in Brief</i> , 2018, 20, 880-888.   | 1.0    | 2         |
| 22 | Comprehensive structural and compositional investigation of Maya pottery sherds from Lake Petzaj, Guatemala, Central America. <i>Journal of Archaeological Science: Reports</i> , 2021, 36, 102767.                                     | 0.5    | 2         |
| 23 | Influence of Composted Wastewater Sludge (CWS) on Lead and Copper Uptake by Radish ( <i>Raphanus</i> ). <i>Journal of Environmental Science and Technology</i> , 2021, 14, 1078-1084.   | 0.7843 | 1         |
| 24 | Polycyclic Aromatic Hydrocarbons in Soil Samples from Diboll, East Texas (USA). <i>Analytical Chemistry Letters</i> , 2019, 9, 273-290.   | 1.0    | 1         |
| 25 | Data on GC/MS elution profile, <sup>1</sup> H and <sup>13</sup> C NMR spectra of 1-, 3-, and 6-Nitrobenzo[a]pyrenes. <i>Data in Brief</i> , 2020, 28, 104995.   | 1.0    | 1         |
| 26 | Structural and compositional data of maya pottery samples from Lake Petzaj, Guatemala: Central America. <i>Data in Brief</i> , 2021, 35, 106886.  | 1.0    | 0         |
| 27 | Student Success in Five Concepts: A Six-Year Study in an Introductory Chemistry Course for Non-Science Majors. <i>World Journal of Chemical Education</i> , 2021, 9, 46-49.   | 0.3    | 0         |
| 28 | SYNTHESIS OF 2-, AND 3-NITROBENZANTHRONE VIA DIRECT NITRATION OF BENZANTHRONE WITH NITRIC ACID/ACETIC ACID. <i>Texas Journal of Science</i> , 2019, 71, .   | 0.2    | 0         |