

# Wallace O Parker Jr

## List of Publications by Year in descending order

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51  
papers

1,504  
citations

304743

22  
h-index

315739

38  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1563  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie</i> , 2021, 133, 23082.                              | 2.0  | 6         |
| 2  | Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22900-22907. | 13.8 | 44        |
| 3  | Functional, Redox-Responsive Poly(phenylene sulfide)-Based Gels. <i>Macromolecules</i> , 2019, 52, 8256-8265.  | 4.8  | 13        |
| 4  | Infrared Fingerprint Engineering: A Molecular Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. <i>Angewandte Chemie</i> , 2019, 131, 17820-17824.  | 2.0  | 12        |
| 5  | Infrared Fingerprint Engineering: A Molecular Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17656-17660.                 | 13.8 | 57        |
| 6  | Insights into Polymerization of Vegetable Oil: Oligomerization of Oleic Acid. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 1181-1184.   | 1.9  | 4         |
| 7  | Chiral ionic liquids supported on natural sporopollenin microcapsules. <i>RSC Advances</i> , 2018, 8, 21174-21183.   | 3.6  | 35        |
| 8  | Synthesis and characterization of Si/Ga Eni Carbon Silicates. <i>Chinese Journal of Catalysis</i> , 2015, 36, 813-819.   | 14.0 | 6         |
| 9  | Stable Pervanadyl Cation Encapsulated in Silica: Frivolous Vanadium in the $H_{4}PVMo_{11}O_{40}$ Keggin. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24003-24015.   | 3.1  | 3         |
| 10 | Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. <i>Journal of Organometallic Chemistry</i> , 2015, 777, 57-66.                             | 1.8  | 18        |
| 11 | Flexible Structure of a Thermally Stable Hybrid Aluminosilicate Built with Only the Three-Ring Unit. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7458-7467.  | 3.1  | 10        |
| 12 | Hierarchical Hybrid Organic-Inorganic Materials with Tunable Textural Properties Obtained Using Zeolitic-Layered Precursor. <i>Journal of the American Chemical Society</i> , 2014, 136, 2511-2519.                  | 13.7 | 74        |
| 13 | On the thermal behaviour of the crystalline hybrid organic-inorganic aluminosilicate ECS-3. <i>Microporous and Mesoporous Materials</i> , 2013, 172, 200-205.  | 4.4  | 10        |
| 14 | Incorporation of germanium and boron in zeolite chabazite. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 164-170.   | 4.4  | 6         |
| 15 | A highly crystalline microporous hybrid organic-inorganic aluminosilicate resembling the AFI-type zeolite. <i>Chemical Communications</i> , 2012, 48, 7356.  | 4.1  | 33        |
| 16 | Aluminum in mesoporous silica-alumina. <i>Microporous and Mesoporous Materials</i> , 2012, 158, 235-240.   | 4.4  | 17        |
| 17 | Middle distillates from hydrocracking of FT waxes: Composition, characteristics and emission properties. <i>Catalysis Today</i> , 2010, 149, 40-46.  | 4.4  | 80        |
| 18 | Unexpected Destructive Dealumination of Zeolite Beta by Silylation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8459-8468.   | 3.1  | 20        |

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|----|---|------|-----------|
| 19 | A comprehensive two-dimensional gas chromatography coupled with quadrupole mass spectrometry approach for identification of C10 derivatives from decalin. <i>Journal of Chromatography A</i> , 2009, 1216, 2891-2899. | 3.7  | 16        |
| 20 | Crystalline hybrid organic-inorganic aluminosilicates. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 252-260.  | 4.4  | 39        |
| 21 | On the crystal structure solution and characterization of ECS-2, a novel microporous hybrid organic-inorganic material. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 965-968.                         | 1.5  | 2         |
| 22 | Cross-Link Density of a Dispersed Rubber Measured by $^{129}\text{Xe}$ Chemical Shift. <i>Macromolecules</i> , 2007, 40, 5787-5790.   | 4.8  | 26        |
| 23 | Synthesis, characterization and crystal structure of EMS-2 - a novel microporous stannosilicate. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 43-49.  | 4.4  | 6         |
| 24 | Ti Coordination in Titanium Silicalite-1. <i>Journal of the American Chemical Society</i> , 2006, 128, 1450-1451.   | 13.7 | 61        |
| 25 | Synthesis, characterization and adsorption capacities of microporous titanosilicate EMS-3. <i>Microporous and Mesoporous Materials</i> , 2006, 90, 153-161.   | 4.4  | 1         |
| 26 | Ethane-silica hybrid material with ordered hexagonal mesoporous structure. <i>Microporous and Mesoporous Materials</i> , 2006, 87, 185-191.   | 4.4  | 25        |
| 27 | Dynamic behaviour of azonia-spiro-alkanes within the MOR and MTW zeolite pore structures. <i>Journal of Molecular Catalysis A</i> , 2001, 166, 167-174.   | 4.8  | 5         |
| 28 | Synthesis and characterization of borosilicates with the EUO framework topology. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 191-201.   | 4.4  | 19        |
| 29 | Structural characterization of as-synthesized B- and Ti-containing MFI-type molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2000, 35-36, 387-403.   | 4.4  | 30        |
| 30 | NMR Spectroscopy Applied to Zeolite Catalysis: Progress and Prospects. <i>Comments on Inorganic Chemistry</i> , 2000, 22, 31-73.  | 5.2  | 16        |
| 31 | Characterization of $\gamma$ -alumina and borated alumina catalysts. <i>Applied Catalysis A: General</i> , 1999, 185, 137-152.  | 4.3  | 48        |
| 32 | Stability of Ti in MFI and Beta structures: a comparative study. <i>Microporous and Mesoporous Materials</i> , 1999, 30, 137-144.   | 4.4  | 94        |
| 33 | Zeolite synthesis in the presence of azonia-spiro compounds as structure-directing agents. <i>Microporous and Mesoporous Materials</i> , 1998, 24, 199-211.   | 4.4  | 32        |
| 34 | Interaction of phosphorus trichloride with zeolites. <i>Zeolites</i> , 1996, 16, 142-148.   | 0.5  | 17        |
| 35 | In-Situ $^{13}\text{C}$ NMR studies of 1-butene reactions on acid catalysts without magic angle spinning. <i>Studies in Surface Science and Catalysis</i> , 1995, 94, 568-573.  | 1.5  | 3         |
| 36 | Layered structure of ERB-1 microporous borosilicate precursor and its intercalation properties towards polar molecules. <i>Microporous Materials</i> , 1995, 4, 221-230.  | 1.6  | 214       |

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|----|--|-----|-----------|
| 37 | Spectroscopic studies of LaHY-FAU catalyst deactivation in the alkylation of isobutane with 1-butene. <i>Applied Catalysis A: General</i> , 1995, 124, 107-119.  | 4.3 | 65        |
| 38 | Aluminum complexes in partially hydrolyzed aqueous AlCl <sub>3</sub> solutions used to prepare pillared clay catalysts. <i>Applied Catalysis A: General</i> , 1995, 121, L7-L11.   | 4.3 | 7         |
| 39 | Ionic diffusivity and conductivity of plasticized polymer electrolytes: PMFG-NMR and complex impedance studies. <i>Solid State Ionics</i> , 1995, 82, 179-192.   | 2.7 | 62        |
| 40 | Hydrolysis of sodium-2-acrylamido-2-methylpropanesulfonate copolymers at elevated temperature in aqueous solution via <sup>13</sup> C n.m.r. spectroscopy. <i>Polymer</i> , 1993, 34, 4913-4918.   | 3.8 | 69        |
| 41 | Study of micellar solutions and microemulsions of an alkyl oligoglucoside via NMR spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 72, 275-284.   | 4.7 | 22        |
| 42 | Acidic microemulsions of dodecane/p-dodecyl-benzenesulfonic acid/water/mineral acid part 1. HLB acidity and phase behavior. <i>Colloids and Surfaces</i> , 1990, 48, 13-20.  | 0.9 | 4         |
| 43 | Electrochemical behavior of "Costa-type" organocobalt coenzyme B12 models. <i>Inorganica Chimica Acta</i> , 1990, 168, 127-138.  | 2.4 | 11        |
| 44 | Acidic microemulsions of dodecane/ p-dodecylbenzenesulfonic acid/water/HCl part 2. structure by proton NMR self-diffusion and relaxation studies. <i>Colloids and Surfaces</i> , 1990, 48, 21-28.  | 0.9 | 6         |
| 45 | Electrochemical synthesis of Costa-type cobalt complexes. <i>Organometallics</i> , 1989, 8, 2377-2381.   | 2.3 | 17        |
| 46 | Unusually long-lived cobalt(II) and cobalt(I) species identified during electrochemical reduction of neopentyl B12 costa-type models. <i>Organometallics</i> , 1988, 7, 1672-1674.   | 2.3 | 6         |
| 47 | NMR studies of Costa-type organocobalt compounds. Structural characterization of several 1,5,6-trimethylbenzimidazole complexes. <i>Inorganic Chemistry</i> , 1988, 27, 2170-2180.   | 4.0 | 37        |
| 48 | The principal components of synthetic vitamin B'12. <i>Inorganic Chemistry</i> , 1986, 25, 127-129.  | 4.0 | 7         |
| 49 | Structures, hydrogen NMR spectra, and ligand-exchange properties of Costa-type organocobalt B12 models with P-donor ligands. <i>Inorganic Chemistry</i> , 1986, 25, 1303-1309.   | 4.0 | 21        |
| 50 | Structures, NMR spectra, and ligand-exchange properties of Costa-type organocobalt B12 models with N-donor ligands. <i>Inorganic Chemistry</i> , 1986, 25, 3489-3497.  | 4.0 | 23        |
| 51 | Comparative structural and ligand-exchange properties of organocobalt B12 models. Improved synthetic procedures for Costa models and the structures of two pyridine complexes with methyl and neopentyl ligands. <i>Inorganic Chemistry</i> , 1985, 24, 3908-3913. | 4.0 | 45        |