Peter N Njoki

List of Publications by Year in Descending Order

43 papers	3,745 citations	26 h-index	46 g-index
46 ext. papers	3,926 ext. citations	6.5 avg, IF	4.68 L-index

#	Paper	IF	Citations
43	Cultivating Success through Undergraduate Research Experience in a Historically Black College and University. *Journal of Chemical Education*, **2022**, 99, 307-316	2.4	0
42	Microwave-Assisted synthesis of Anisotropic copper–silver nanoparticles. *Materials Chemistry and Physics*, **2020**, 241, 122348	4.4	10
41	Remote Teaching of General Chemistry for Nonscience Majors during COVID-19. *Journal of Chemical Education*, **2020**, 97, 3158-3162	2.4	7
40	Transformation of Silver Nanoparticles in Phosphate Anions: An Experiment for High School Students. *Journal of Chemical Education*, **2019**, 96, 546-552	2.4	4
39	The Surface Composition of Au/Ag Core/Alloy Nanoparticles Influences the Methanol Oxidation Reaction. *ACS Applied Nano Materials*, **2018**, 1, 5640-5645	5.6	16
38	Growth Characteristics and Optical Properties of Core/Alloy Nanoparticles Fabricated via the Layer-by-Layer Hydrothermal Route. *Chemistry of Materials*, **2013**, 25, 3105-3113	9.6	12
37	Exploiting core-shell and core-alloy interfaces for asymmetric growth of nanoparticles. *Chemical Communications*, **2012**, 48, 10449-51	5.8	9
36	Attenuating surface plasmon resonance via core/alloy architectures. *Chemical Communications*, **2011**, 47, 10079-81	5.8	11
35	Nanoengineered PtCo and PtNi Catalysts for Oxygen Reduction Reaction: An Assessment of the Structural and Electrocatalytic Properties. *Journal of Physical Chemistry C*, **2011**, 115, 1682-1694	3.8	157
34	Processing Core/Alloy/Shell Nanoparticles: Tunable Optical Properties and Evidence for Self-Limiting Alloy Growth. *Journal of Physical Chemistry C*, **2011**, 115, 9933-9942	3.8	27
33	Enhanced Oxygen Reduction Activity of Platinum Monolayer on Gold Nanoparticles. *Journal of Physical Chemistry Letters*, **2011**, 2, 67-72	6.4	71
32	Layer-by-layer processing and optical properties of core/alloy nanostructures. *Journal of the American Chemical Society*, **2011**, 133, 5224-7	16.4	23
31	Nanostructured catalysts in fuel cells. *Nanotechnology*, **2010**, 21, 062001	3.4	152
30	Nanoscale Alloying, Phase-Segregation, and Core–Shell Evolution of Gold–Platinum Nanoparticles and Their Electrocatalytic Effect on Oxygen Reduction Reaction. *Chemistry of Materials*, **2010**, 22, 4282-4294	9.6	184
29	Aggregative growth in the size-controlled growth of monodispersed gold nanoparticles. *Langmuir*, **2010**, 26, 13622-9	4	62
28	Thermal Treatment of PtNiCo Electrocatalysts: Effects of Nanoscale Strain and Structure on the Activity and Stability for the Oxygen Reduction Reaction. *Journal of Physical Chemistry C*, **2010**, 114, 17580-17590	3.8	84
27	Nano-engineered PtVFe catalysts in proton exchange membrane fuel cells: Electrocatalytic performance. *Electrochimica Acta*, **2010**, 55, 8230-8236	6.7	24

26	Nanostructured PtVFe catalysts: Electrocatalytic performance in proton exchange membrane fuel cells. *Electrochemistry Communications*, **2009**, 11, 1139-1141	5.1	39
25	Interparticle chiral recognition of enantiomers: a nanoparticle-based regulation strategy. *Analytical Chemistry*, **2009**, 81, 689-98	7.8	77
24	Fuel cell technology: nano-engineered multimetallic catalysts. *Energy and Environmental Science*, **2008**, 1, 454	35.4	133
23	Gold and magnetic oxide/gold core/shell nanoparticles as bio-functional nanoprobes. *Nanotechnology*, **2008**, 19, 305102	3.4	72
22	Interparticle interactions in glutathione mediated assembly of gold nanoparticles. *Langmuir*, **2008**, 24, 8857-63	4	133
21	Combinatorial Assessment of the Activity-Composition Correlation for Several Alloy Nanoparticle Catalysts. *Industrial & Engineering Chemistry Research*, **2008**, 47, 4675-4682	3.9	5
20	Core/Shell Nanoparticles as Electrocatalysts for Fuel Cell Reactions. *Advanced Materials*, **2008**, 20, 4342-4347	14	215
19	Size Determination of Nanoparticles Based on Tapping-Mode Atomic Force Microscopy Measurements. *Journal of Scanning Probe Microscopy*, **2008**, 3, 1-8		7
18	Assembly of gold nanoparticles mediated by multifunctional fullerenes. *Langmuir*, **2007**, 23, 10715-24	4	30
17	Gold-Based Nanoparticle Catalysts for Fuel Cell Reactions **2007**, 289-307		8
16	Size Correlation of Optical and Spectroscopic Properties for Gold Nanoparticles. *Journal of Physical Chemistry C*, **2007**, 111, 14664-14669	3.8	464
15	Nanocrystal and surface alloy properties of bimetallic Gold-Platinum nanoparticles. *Nanoscale Research Letters*, **2007**, 2, 12-16	5	72
14	Synergistic activity of gold-platinum alloy nanoparticle catalysts. *Catalysis Today*, **2007**, 122, 378-385	5.3	198
13	Fabrication of magnetic core@shell Fe oxide@Au nanoparticles for interfacial bioactivity and bio-separation. *Langmuir*, **2007**, 23, 9050-6	4	302
12	Homocysteine-mediated reactivity and assembly of gold nanoparticles. *Langmuir*, **2007**, 23, 826-33	4	127
11	Formation of gold nanoparticles catalyzed by platinum nanoparticles: assessment of the catalytic mechanism. *Journal of Physical Chemistry B*, **2006**, 110, 22503-9	3.4	23
10	Ternary alloy nanoparticles with controllable sizes and composition and electrocatalytic activity. *Journal of Materials Chemistry*, **2006**, 16, 1665		89
9	Characterization of carbon-supported AuPt nanoparticles for electrocatalytic methanol oxidation reaction. *Langmuir*, **2006**, 22, 2892-8	4	250

8	Activity-composition correlation of AuPt alloy nanoparticle catalysts in electrocatalytic reduction of oxygen. *Electrochemistry Communications*, **2006**, 8, 581-587	5.1	180
7	Phase Properties of Carbon-Supported Gold–Platinum Nanoparticles with Different Bimetallic Compositions. *Chemistry of Materials*, **2005**, 17, 3086-3091	9.6	219
6	Platinum-catalyzed synthesis of water-soluble gold-platinum nanoparticles. *Langmuir*, **2005**, 21, 1623-8	4	50
5	Electrocatalytic oxidation of methanol: carbon-supported gold–platinum nanoparticle catalysts prepared by two-phase protocol. *Catalysis Today*, **2005**, 99, 291-297	5.3	129
4	Synthesis of Bimetallic AuPt Nanoparticles in Aqueous Solution and Electrocatalytic Activity. *Materials Research Society Symposia Proceedings*, **2005**, 900, 1		0
3	Electrocatalytic reduction of oxygen: Gold and gold-platinum nanoparticle catalysts prepared by two-phase protocol **2004**, 37, 217-223		69
2	A Thermogravimetric Study of Alakanethiolate Monolayer-Capped Gold Nanoparticle Catalysts. *Materials Research Society Symposia Proceedings*, **2003**, 789, 45		
1	The Primarily Undergraduate Nanomaterials Cooperative: A New Model for Supporting Collaborative Research at Small Institutions on a National Scale. *ACS Nanoscience Au*,		