

# Hendry Izaac Elim

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,955  
citations

218592

26  
h-index

161767

54  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydro thermal synthesis and electrochemical characterization of (V <sub>1</sub> /2Sb <sub>1</sub> /2Sn) <sub>4</sub> O <sub>4</sub> and (Fe <sub>1</sub> /2Sb <sub>1</sub> /2Sn) <sub>4</sub> O <sub>4</sub> as energy storage materials. AIP Conference Proceedings, 2021, , .	0.3	2
2	Physical healing system of herbal medicine based Galoba fruits (Zingiberaceae sp.): A feeling side of âœ1 medicine with 7 spiritsâœ. AIP Conference Proceedings, 2021, , .	0.3	1
3	Stamec-Gravitism: A Simple Theoretical Study to Inspire a Prototype Fabrication for Mobile Perpetual Electricity Generator. Science Nature, 2021, 3, 257-274.	0.5	1
4	Large nonlinear absorption in single aggregate of silver nanoparticles observed with z-scan imaging technique. AIP Advances, 2021, 11, 115015.	0.6	3
5	Unique Physical Behavior with Two Main Integrated Types of Chemical Substances of Herbal Medicine based Insulin Leaf (Tithonia diversifolia (Hemsley) A. Gray (Asteraceae)): A Healthy Simple Natural Drink. Science Nature, 2021, 4, 304-317.	0.5	1
6	Integrated 8 Wisdom Compounds Interaction in Multitasking Healing System: Confinement Energy in 4D Frequency Interconnection. Science Nature, 2021, 4, 326-337.	0.5	1
7	Multifunctional Nanowires and Hierarchical 3D Nanostructures of Material Composites for Energy Storage. Journal of Physics: Conference Series, 2020, 1463, 012036.	0.3	3
8	Control System of Multitasking Interactions between Society 5.0 and Industry 5.0: A Conceptual Introduction & Its Applications. Journal of Physics: Conference Series, 2020, 1463, 012035.	0.3	16
9	Image Processing and Optical-Electricity Property of Traditional Medicine Products from Kian Sand Worm (Siphonosoma ur - pulau ). Science Nature, 2020, 2, 148-156.	0.5	2
10	Flexible Thin Battery with Fast and Sensitive Voltage Control by a Simple Mechanical Bending: No Energy without Working. Science Nature, 2020, 2, 157-166.	0.5	3
11	Is Your Brain Strong Enough to Solve Hard Problems? : Brain Vitamins as a Simple Example for Multitasking Nanotechnology Scientis. Science Nature, 2020, 3, 244-256.	0.5	3
12	From Molecular Electronics System (MES) to Advanced Nanotechnology: A Progress of Frontier Development. Nano Progress, 2020, 2, .	0.2	3
13	Refractive Index Border Associated with Nonlinear Optical Properties in Superhybrid Transparent TiO <sub>2</sub> Nanoparticles-Polymer: Great Potential for Ultrafast Optical Waveguide in Optical Communication. Science Nature, 2020, 3, 282-289.	0.5	1
14	Advancing Frontier Nanophysics in Time of Analytical Chemistry: Who to educate first?. Science Nature, 2020, 3, 275-281.	0.5	1
15	Correlation study on temperature dependent conductivity and line profile along the LLTO/LFP-C cross section for all solid-state Lithium-ion batteries. Solid State Ionics, 2019, 341, 115032.	1.3	16
16	Pseudocapacitive Charge Storage in Thin Nanobelts. Advanced Fiber Materials, 2019, 1, 205-213.	7.9	41
17	Multitasking Herbal Nanomedicine. Nanoscale Reports, 2019, 2, 22-30.	0.5	4
18	Aspect-ratio Dependence of Optical Nonlinearities on Resonance with Longitudinal Surface Plasmon in Au Nanorods: Unique Character versus Common Behavior. Science Nature, 2019, 1, 001-007.	0.5	3

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19	The Discovery of NEW Golobe and Its Amazing Healing System. Science Nature, 2019, 2, 066-070.	0.5	5
20	Nanochip Medicine: Physical Chemistry Engineering. Science Nature, 2019, 2, 086-089.	0.5	4
21	Pangi Leaf ( <i>Pangium edule</i> Reinw) Herbal Medicine: A Marvelous Candidate for the Prominent HIV Herbal Medicine. Science Nature, 2019, 2, 097-104.	0.5	4
22	Customary Law Associated with Five Integrated Aspects in Developing Traditional Coastal and Marine Protections for Improving Social People Life and Natural Products in Aru Islands Region of Maluku Province, Indonesia. Science Nature, 2019, 2, 105-113.	0.5	3
23	A Frontier 2D Nanobattery: Improving Challenges (Hotumese) and Development. Science Nature, 2019, 2, 114-121.	0.5	6
24	The Observation of Fast, Long Term, and Stable Performance of Toxic Absorption in Herbal Blessing Product Based on Galoba Maluku ( <i>Zingiberaceae</i> Fruits). Science Nature, 2019, 2, 122-127.	0.5	4
25	Heavenly Small Islands Simple Technology & Its Cultural Economy Impacts in Maluku, Indonesia: a New Proposed Multitasking Philosophy in Diversity (MPD). Science Nature, 2019, 2, 192-207.	0.5	4
26	Basic Universe of Molecular Electronics System (MES): Introduction and its Applications in Harvesting Daily Life. Science Nature, 2019, 2, 232-238.	0.5	3
27	Unique Physical and Chemical Properties of Kian Sand Worm ( <i>Siphonosoma ur-pulau</i> ) Traditional Medicine: Electrical, Optical and Chemical Response of Edible Powder with Different Sizes. Biochemistry and Modern Applications, 2019, , 51-55.	0.0	2
28	A Novel Simple Technique to Study Mie Scattering Imaging with Photon Counts: Introduction and Its Applications. Jurnal Aplikasi Multidisiplinari Filsafat Dan Sains (JAMFAS), 2019, 1, 030-036.	0.2	0
29	Studies on spinel cobaltites, $MCo_2O_4$ ( $M = Mn, Zn, Fe, Ni$ and $Co$ ) and their functional properties. Ceramics International, 2018, 44, 4630-4639.	2.3	57
30	Chemical Bonding Character of Love Herbal Medicine: A Prominent Medicine Candidate for Preventing HIV Virus. Nanotechnology & Applications, 2018, 1, 1-5.	0.3	6
31	Electronics Physical System of Large Antioxidant Structure in Herbal Medicine based <i>Zingiberaceae</i> Fruit: Understanding and Application. Nanotechnology & Applications, 2018, 1, 1-4.	0.3	6
32	Unique Chemical Bonding Behavior of Love Herbal Medicine and Its Ability as a Chemotherapy Drug. Journal of Nanomedicine & Nanotechnology, 2018, 09, .	1.1	3
33	Scientific Breakthrough Based on Natural Creation: 1 Diamond with 7 Eyes. , 2018, 1, .		2
34	Length Dependence of Ultrafast Optical Nonlinearities in Vertically Aligned Multiwalled Carbon Nanotube Films. Journal of Physical Chemistry C, 2016, 120, 17733-17738.	1.5	11
35	From Rubbish to a Large Scale Industry: A Simple Fabrication of Superfiber with Multitasking Applications. Journal of Environmental Science and Engineering B, 2015, 4, .	0.0	0
36	A Novel Preparation of High-Refractive-Index and Highly Transparent Polymer Nanohybrid Composites. Applied Physics Express, 2011, 4, 092601.	1.1	27

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37	Rayleigh scattering study and particle density determination of a high refractive index TiO <sub>2</sub> nanohybrid polymer. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4470.	1.3	10
38	Size- and concentration-dependent of Rayleigh scattering properties of titanium dioxide nanohybrid polymer. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
39	Refractive Index Control and Rayleigh Scattering Properties of Transparent TiO <sub>2</sub> Nanohybrid Polymer. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10143-10148.	1.2	69
40	Nonlinear Optical Transmission Properties of C <sub>60</sub> Dyads Consisting of a Light-Harvesting Diphenylaminofluorene Antenna. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9561-9564.	1.2	23
41	Intensity-dependent enhancement of saturable absorption in PbS@Au nanohybrid composites: Evidence for resonant energy transfer by Auger recombination. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	22
42	AgInSe <sub>2</sub> nanorods: A semiconducting material for saturable absorber. <i>Applied Physics Letters</i> , 2007, 90, 033106.	1.5	32
43	Effect of liquid crystal concentration on the lasing properties of dye-doped holographic polymer-dispersed liquid crystal transmission gratings. <i>Applied Physics Letters</i> , 2007, 90, 011109.	1.5	25
44	Large nonlinear optical properties of ternary quantum dots and nanorods. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
45	Optical limiting phenomena of carbon nanoparticles prepared by laser ablation in liquids. <i>Journal of Physics: Conference Series</i> , 2007, 59, 289-292.	0.3	15
46	New Insights on the Nanoparticle Growth Mechanism in the Citrate Reduction of Gold(III) Salt: Formation of the Au Nanowire Intermediate and Its Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6281-6287.	1.5	263
47	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorencarbonyl methano[60]fullerene pentads. <i>Journal of Materials Chemistry</i> , 2007, 17, 1826.	6.7	30
48	Study of the optical limiting properties of carbon-encapsulated magnetic nanoparticles. <i>Chemical Physics Letters</i> , 2007, 444, 113-117.	1.2	14
49	Electronic and optical properties of nitrogen-doped multiwalled carbon nanotubes. <i>Physical Review B</i> , 2006, 73, .	1.1	173
50	One-pot synthesis and third-order nonlinear optical properties of AgInS <sub>2</sub> nanocrystals. <i>Chemical Communications</i> , 2006, , 4276.	2.2	92
51	Gain narrowing and random lasing from dye-doped polymer-dispersed liquid crystals with nanoscale liquid crystal droplets. <i>Applied Physics Letters</i> , 2006, 89, 011111.	1.5	63
52	Rational Synthesis, Self-Assembly, and Optical Properties of PbS@Au Heterogeneous Nanostructures via Preferential Deposition. <i>Journal of the American Chemical Society</i> , 2006, 128, 11921-11926.	6.6	240
53	Observation of saturable and reverse-saturable absorption at longitudinal surface plasmon resonance in gold nanorods. <i>Applied Physics Letters</i> , 2006, 88, 083107.	1.5	235
54	Modified carbon nanotubes as broadband optical limiting nanomaterials. <i>Journal of Materials Research</i> , 2006, 21, 2758-2766.	1.2	61

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55	Multiwalled carbon nanotubes for all-optical switching. , 2006, , .		0
56	Titania-PMMA nanohybrids of enhanced nanocrystallinity. Journal of Electroceramics, 2006, 16, 431-439.	0.8	30
57	Carrier concentration dependence of optical Kerr nonlinearity in indium tin oxide films. Applied Physics B: Lasers and Optics, 2006, 82, 439-442.	1.1	31
58	Multiwalled Carbon Nanotubes Beaded with ZnO Nanoparticles for Ultrafast Nonlinear Optical Switching. Advanced Materials, 2006, 18, 587-592.	11.1	219
59	Optical-limiting-based materials of mono-functional, multi-functional and supramolecular C60-containing polymers. Thin Solid Films, 2005, 477, 63-72.	0.8	28
60	Gold and silver coated carbon nanotubes: An improved broad-band optical limiter. Chemical Physics Letters, 2005, 409, 85-88.	1.2	104
61	Formation of new organometallic W/Cu/S clusters from reactions of $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_7(\text{MeCN})_9](\text{PF}_6)_4$ with donor ligands. Crystal structures and optical limiting properties of $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_3(\text{Py})_6](\text{PF}_6)_2$ , $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_3\text{Br}(\text{PPh}_3)_3](\text{PF}_6)$ , and $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_4(\text{Pv})\text{Cl}(\text{dppm})_2](\text{PF}_6)_2$ . Journal of Organometallic Chemistry, 2005, 690, 4027-4035.	0.8	18
62	Nonlinear Optical Behavior of Transparent Nanohybrids of Nanocrystalline $\text{TiO}_2$ in Poly(methyl methacrylate) Prepared by In Situ Sol-Gel Polymerization Technique. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 367-370.	0.1	0
63	TRANSPARENT $\text{TiO}_2$ -PMMA NANOHYBRIDS OF HIGH NANOCRYSTALLINITY AND ENHANCED NONLINEAR OPTICAL PROPERTIES. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 281-297.	1.1	9
64	OPTICAL LIMITING STUDIES OF NEW CARBON NANOCOMPOSITES AND AMORPHOUS $\text{Si}_x\text{N}_y$ OR AMORPHOUS $\text{SiC}$ COATED MULTI-WALLED CARBON NANOTUBES. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 275-289.	1.1	3
65	<title>Solvent effect and wavelength effect of laser-synthesized carbon nanoparticle colloids on optical limiting</title>. , 2004, , .		1
66	Formation, structure and nonlinear optical properties of carbon nanoparticles synthesized by pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2004, 79, 1079-1082.	1.1	16
67	Syntheses, Crystal Structures and Optical Limiting Properties of Three Novel Organometallic Tungsten-Copper-Sulfur Clusters: $[\text{PPh}_4][(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3(\text{CuCN})_2]$ , $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_2(\text{PPh}_3)(\eta^1\text{-CN})_2]$ and $[\text{PPh}_4][\{(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_2(\text{CN})(\text{Py})\}_2(\eta^1\text{-CN})]$ . European Journal of Inorganic Chemistry, 2004, 2004, 86-92.	1.0	33
68	Optical limiting properties of amorphous $\text{Si}_x\text{N}_y$ and $\text{SiC}$ coated carbon nanotubes. Chemical Physics Letters, 2004, 383, 72-75.	1.2	32
69	Carbon nanoparticles based nonlinear optical liquid. Carbon, 2004, 42, 2735-2737.	5.4	91
70	Controlling the crystallinity and nonlinear optical properties of transparent $\text{TiO}_2$ -PMMA nanohybrids. Journal of Materials Chemistry, 2004, 14, 2978-2987.	6.7	144
71	Preparation of carbon nanoparticles with strong optical limiting properties by laser ablation in water. Journal of Applied Physics, 2004, 95, 1455-1459.	1.1	100
72	Excitonic nonlinear absorption in CdS nanocrystals studied using Z-scan technique. Journal of Applied Physics, 2004, 95, 6381-6386.	1.1	79

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73	Ultrafast absorptive and refractive nonlinearities in multiwalled carbon nanotube films. Applied Physics Letters, 2004, 85, 1799-1801.	1.5	70
74	Nonlinear optical properties of mono-functional 1,2-dihydro-1,2-methanofullerene[60]-61-carboxylic acid/polymer composites. Chemical Physics Letters, 2003, 369, 281-286.	1.2	22
75	Transparent nanohybrids of nanocrystalline TiO <sub>2</sub> in PMMA with unique nonlinear optical behavior. Journal of Materials Chemistry, 2003, 13, 1475.	6.7	144
76	Nonlinear Optics and Optical Limiting Properties of Multifunctional Fullerenol/Polymer Composite. Journal of Nonlinear Optical Physics and Materials, 2003, 12, 175-186.	1.1	15
77	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO <sub>2</sub> nanocomposites. Applied Physics Letters, 2003, 82, 2691-2693.	1.5	109
78	Photophysical and Nonlinear-Optical Properties of a New Polymer: 4-Hydroxylated Pyridyl Para-phenylene. Journal of Physical Chemistry B, 2003, 107, 11043-11047.	1.2	24
79	Dynamic mechanical behavior and optical limiting property of multifunctional fullerenol/polymer composite. Chemical Physics Letters, 2002, 366, 224-230.	1.2	12
80	Polymer-TiO <sub>2</sub> / hybrid nanocomposites for all-optical switching. , 0, , .		0