Timur Nikitin

List of Publications by Year in descending order

35 papers	781 citations	623734 14 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	1211 citing authors

#	Article	IF	Citations
1	Laser Writing of Eutectic Galliumâ€“Indium Alloy Grapheneâ€Oxide Electrodes and Semitransparent Conductors. Advanced Materials Technologies, 2022, 7, 2101238.	5.8	6
2	Laserâ€Assisted Rapid Fabrication of Largeâ€Scale Graphene Oxide Transparent Conductors. Advanced Materials Interfaces, 2022, 9, .	3.7	6
3	Micro-Raman Spectroscopy and X-ray Diffraction Analyses of the Core and Shell Compartments of an Iron-Rich Fulgurite. Molecules, 2022, 27, 3053.	3.8	1
4	Laser Writing of Eutectic Galliumâ€“Indium Alloy Grapheneâ€Oxide Electrodes and Semitransparent Conductors (Adv. Mater. Technol. 5/2022). Advanced Materials Technologies, 2022, 7, .	5.8	0
5	2,4,6-Trinitro-N-(m-tolyl)aniline: A New Polymorphic Material Exhibiting Different Colors. Crystal Growth and Design, 2021, 21, 7269-7284.	3.0	6
6	Structural, spectroscopic, and photochemical study of ethyl propiolate isolated in cryogenic argon and nitrogen matrices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118670.	3.9	3
7	Matrix isolation study of methyl propiolate in argon and nitrogen matrices. Chemical Physics Letters, 2020, 749, 137427.	2.6	1
8	Propiolic Acid in Solid Nitrogen: NIR- and UV-Induced cis â†' trans Isomerization and Matrix-Site-Dependent trans â†' cis Tunneling. Journal of Physical Chemistry A, 2019, 123, 1581-1593.	2.5	7
9	Strong impact of LiNbO3 fillers on local electromechanical and electrochemical properties of P(VDF-TrFe) polymer disclosed via scanning probe microscopy. Applied Surface Science, 2019, 470, 1093-1100.	6.1	7
10	Light induced reactions in cryogenic matrices (highlights 2017â€“2018). Photochemistry, 2019, , 28-69.	0.2	2
11	Self-assembled diphenylalanine peptide microtubes covered by reduced graphene oxide/spiky nickel nanocomposite: An integrated nanobiomaterial for multifunctional applications. Materials and Design, 2018, 142, 149-157.	7.0	11
12	Pyroelectric effect and polarization instability in self-assembled diphenylalanine microtubes. Applied Physics Letters, 2016, 109, .	3.3	49
13	Low-temperature photoluminescence in self-assembled diphenylalanine microtubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1658-1662.	2.1	40
14	Optical and Structural Properties of Si Nanocrystals in SiO2 Films. Nanomaterials, 2015, 5, 614-655.	4.1	42
15	Continuous-Wave Laser Annealing of a Si/SiO₂ Superlattice: Effect of the Ambient Atmosphere and Exposure Period. Science of Advanced Materials, 2014, 6, 1000-1010.	0.7	3
16	Photocatalytic Properties of WO₃/TiO₂ Core/Shell Nanofibers prepared by Electrospinning and Atomic Layer Deposition. Chemical Vapor Deposition, 2013, 19, 149-155.	1.3	62
17	Programming nanostructured soft biological surfaces by atomic layer deposition. Nanotechnology, 2013, 24, 245701.	2.6	27
18	Giant Raman gain in annealed silicon-rich silicon oxide films: Measurements at 785 nm. Applied Physics Letters, 2013, 103, 151110.	3.3	10

#	Article	IF	Citations
19	Surface fingerprints of individual silicon nanocrystals in laser-annealed Si/SiO2 superlattice: Evidence of nanoeruptions of laser-pressurized silicon. Journal of Applied Physics, 2012, 111, 124302.	2.5	3
20	Giant Raman gain in silicon nanocrystals. Nature Communications, 2012, 3, 1220.	12.8	91
21	Optical and structural properties of SiOx films grown by molecular beam deposition: Effect of the Si concentration and annealing temperature. Journal of Applied Physics, 2012, 112, .	2.5	24
22	Characterization of ion-irradiation-induced defects in multi-walled carbon nanotubes. New Journal of Physics, 2011, 13, 073004.	2.9	55
23	Controlled Synthesis of Single-Walled Carbon Nanotubes in an Aerosol Reactor. Journal of Physical Chemistry C, 2011, 115, 7309-7318.	3.1	40
24	Thermal study on electrospun polyvinylpyrrolidone/ammonium metatungstate nanofibers: optimising the annealing conditions for obtaining WO3 nanofibers. Journal of Thermal Analysis and Calorimetry, 2011, 105, 73-81.	3.6	95
25	Optical and structural properties of siliconâ€rich silicon oxide films: Comparison of ion implantation and molecular beam deposition methods. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2176-2181.	1.8	11
26	Ion irradiation of multiâ€walled boron nitride nanotubes. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1256-1259.	0.8	17
27	Continuous-wave laser annealing of Si-rich oxide: A microscopic picture of macroscopic Siî—¸SiO2 phase separation. Journal of Applied Physics, 2010, 108, .	2.5	15
28	Analysis of the Size Distribution of Single-Walled Carbon Nanotubes Using Optical Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 1143-1148.	4.6	62
29	Optical memory of silicon nanocrystals with submicron spatial resolution and very high thermal stability. Applied Physics Letters, 2009, 94, 173116.	3.3	11
30	Light-emission mechanism of thermally annealed silicon-rich silicon oxide revisited: What is the role of silicon nanocrystals?. Applied Physics Letters, 2009, 94, 043115.	3.3	27
31	Ion irradiation of carbon nanotubes encapsulating cobalt crystals. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2618-2621.	2.7	11
32	Free-standing SiO2 films containing Si nanocrystals directly suitable for transmission electron microscopy. Microelectronics Journal, 2008, 39, 518-522.	2.0	12
33	Optical properties of silicon nanocrystals in silica: Results from spectral filtering effect, m-line technique, and x-ray photoelectron spectroscopy. Journal of Applied Physics, 2008, 104, .	2.5	21
34	Light induced reactions in cryogenic matrices (highlights 2015â€“2016). Photochemistry, 0, , 22-67.	0.2	1
35	Matrix Isolation Study of Fumaric and Maleic Acids in Solid Nitrogen. Journal of Physical Chemistry A, 0, , .	2.5	2