

Guang Yang

List of Publications by Year in descending order

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85
papers

2,248
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218381

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docs citations

85
times ranked

2181
citing authors

#	ARTICLE	IF	CITATIONS
1	Extensive Interspecific Gene Flow Shaped Complex Evolutionary History and Underestimated Species Diversity in Rapidly Radiated Dolphins. <i>Journal of Mammalian Evolution</i> , 2022, 29, 353-367.	1.0	6
2	Fluorescence-Phosphorescence Manipulation and Atom Probe Observation of Fully Inorganic Silver Quantum Clusters: Imitating from and Behaving beyond Organic Hosts. <i>Advanced Optical Materials</i> , 2022, 10, 2101632.	3.6	7
3	Divergence of Tbx4 hindlimb enhancer HLEA underlies the hindlimb loss during cetacean evolution. <i>Genomics</i> , 2022, 114, 110292.	1.3	1
4	Energy-saving glasses based on sodium tungsten bronze-like (Na ₅ W ₁₄ O ₄₄) functional units: Facile synthesis, NIR-shielding performance, and formation mechanism. <i>Ceramics International</i> , 2022, 48, 21141-21150.	2.3	4
5	Doping Sodium Tungsten Bronze-Like (Na ₅ W ₁₄ O ₄₄) Near-Infrared Shielding Functional Units in Bulk Borosilicate Glasses for Energy-Saving Window Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32206-32217.	4.0	10
6	Native point defects and oxygen migration of rare earth zirconate and stannate pyrochlores. <i>Journal of Materials Science and Technology</i> , 2021, 73, 23-30.	5.6	22
7	Microstructured SHG patterns on Sm ₂ O ₃ -doped borophosphate niobium glasses by laser-induced thermal poling. <i>Ceramics International</i> , 2021, 47, 10123-10129.	2.3	2
8	Corrosion resistance of non-stoichiometric gadolinium zirconate fabricated by laser-enhanced chemical vapor deposition. <i>Journal of Advanced Ceramics</i> , 2021, 10, 520-528.	8.9	25
9	Corrosion resistance of nonstoichiometric gadolinium zirconate coatings against CaO-MgO-Al ₂ O ₃ -SiO ₂ silicate. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3687-3695.	2.8	7
10	Sodium tungsten bronze (Na WO ₃)-doped near-infrared-shielding bulk glasses for energy-saving applications. <i>Journal of Materials Science and Technology</i> , 2021, 89, 150-157.	5.6	22
11	Effect of halogen on imprinting gradient refractive index microstructure in GeS ₂ -Ga ₂ S ₃ -NaX (X=F, Cl) glasses. <i>Ceramics International</i> , 2021, 47, 28511-28520.	2.3	4
12	Alkali metal tungsten bronze-doped energy-saving glasses for near-infrared shielding applications. <i>Ceramics International</i> , 2021, 47, 31122-31129.	2.3	12
13	First-Principles Study of Intrinsic Point Defects and Optical Properties of SmNiO ₃ . <i>Journal of Physical Chemistry A</i> , 2021, 125, 356-365.	1.1	11
14	Effect of TGO evolution and element diffusion on the life span of YSZ/Pt-Al and YSZ/NiCrAlY coatings at high temperature. <i>Ceramics International</i> , 2020, 46, 813-823.	2.3	23
15	Recent progress in thermal/environmental barrier coatings and their corrosion resistance. <i>Rare Metals</i> , 2020, 39, 498-512.	3.6	58
16	High-temperature mechanical and thermal properties of Ca _x Sr _{1-x} ZrO ₃ solid solutions. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1992-2000.	1.9	17
17	Ultralow voltage imprinting in GeS ₂ -Ga ₂ S ₃ -AgI glasses for visible to middle-infrared diffraction gratings. <i>Ceramics International</i> , 2020, 46, 9030-9039.	2.3	6
18	Facile synthesis, formation mechanism and thermochromic properties of W-doped VO ₂ (M) nanoparticles for smart window applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13396-13404.	2.7	44

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19	Imprinting gradient refractive index micro-structure in GeS ₂ -Ga ₂ S ₃ -KCl glass for broadband diffraction grating. <i>Optical Materials</i> , 2020, 101, 109766.	1.7	7
20	Preparation and corrosion resistance of nonstoichiometric lanthanum zirconate coatings. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3122-3128.	2.8	8
21	Correlation between ultrabroadband near-infrared emission and Yb ³⁺ /Ni ²⁺ dopants distribution in highly transparent germanate glass-ceramics containing zinc gallogermanate nanospinels. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1619-1627.	1.9	4
22	Colorful Wall-Bricks with Superhydrophobic Surfaces for Enhanced Smart Indoor Humidity Control. <i>ACS Omega</i> , 2019, 4, 13896-13901.	1.6	6
23	Predicting the onset temperature (T _g) of Ge-Se glass transition: a feature selection based two-stage support vector regression method. <i>Science Bulletin</i> , 2019, 64, 1195-1203.	4.3	41
24	Insights into body size variation in cetaceans from the evolution of body-size-related genes. <i>BMC Evolutionary Biology</i> , 2019, 19, 157.	3.2	10
25	Bioinspired Ant-Nest-Like Hierarchical Porous Material Using CaCl ₂ as Additive for Smart Indoor Humidity Control. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7139-7145.	1.8	11
26	Mixed alkali effects in Er ³⁺ -doped borate glasses: Influence on physical, mechanical, and photoluminescence properties. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4562-4572.	1.9	4
27	Fabrication of gadolinium zirconate films by laser CVD. <i>Ceramics International</i> , 2019, 45, 4926-4933.	2.3	11
28	Theoretical investigation of anisotropic mechanical and thermal properties of A ₃ B ₃ O ₉ (A = Sr, Ba; B = Ti, Zr, Hf) perovskites. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3527-3540.	1.9	57
29	Oxidation behavior of Hf-modified platinum aluminide coatings during thermal cycling. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 34-39.	1.8	8
30	Diffusion behaviour of Pt in platinum aluminide coatings during thermal cycles. <i>International Journal of Materials Research</i> , 2018, 109, 3-9.	0.1	5
31	Effect of Pt content on initial TGO formation and available Al reserve of Pt-Al coatings during thermal cycling. <i>Surface and Coatings Technology</i> , 2018, 337, 82-89.	2.2	15
32	Improved resistance of lanthanum zirconate coatings to calcium-magnesium-alumina-silicate corrosion through composition tailoring. <i>Ceramics International</i> , 2018, 44, 13908-13915.	2.3	20
33	Molecular Footprints of Aquatic Adaptation Including Bone Mass Changes in Cetaceans. <i>Genome Biology and Evolution</i> , 2018, 10, 967-975.	1.1	23
34	Preparation of lanthanum zirconate films with a widely controllable La/Zr ratio by LCVD. <i>Ceramics International</i> , 2018, 44, 10621-10627.	2.3	12
35	Influence of composition on molten sulfate-vanadate salt corrosion resistance of lanthanum zirconate coatings. <i>Ceramics International</i> , 2018, 44, 22911-22918.	2.3	10
36	Effect of cobalt content on high-temperature tribological properties of TiC-Co coatings. <i>Ceramics International</i> , 2018, 44, 14186-14194.	2.3	30

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37	Genomic organization and adaptive evolution of IGHC genes in marine mammals. <i>Molecular Immunology</i> , 2018, 99, 75-81.	1.0	29
38	Synthesis of nanocrystallized zirconium carbide based on an aqueous solution-derived precursor. <i>RSC Advances</i> , 2017, 7, 22722-22727.	1.7	18
39	The onset temperature (T_g) of As ₁ Se ₁ glasses transition prediction: A comparison of topological and regression analysis methods. <i>Computational Materials Science</i> , 2017, 140, 315-321.	1.4	46
40	Study on crystallization behaviors of As ₂ Se ₂ Bi chalcogenide glasses. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5512-5520.	1.9	9
41	Fabrication of columnar structured lanthanum zirconate films by laser CVD. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4232-4239.	1.9	11
42	Microstructural Evolution of NiCoCrAlHFYSi and NiCoCrAlTaY Coatings Deposited by AC-HVAF and APS. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1758-1775.	1.6	19
43	Genetic basis of brain size evolution in cetaceans: insights from adaptive evolution of seven primary microcephaly (MCPH) genes. <i>BMC Evolutionary Biology</i> , 2017, 17, 206.	3.2	12
44	Effects of Pb on Thermal Stability and Crystallization Kinetics of GeS ₂ Se ₂ Sb ₂ S ₃ Pb Glasses. <i>International Journal of Applied Glass Science</i> , 2016, 7, 337-344.	1.0	3
45	Accurate Second Harmonic Generation Microimprinting in Glassy Oxide Materials. <i>Advanced Optical Materials</i> , 2016, 4, 929-935.	3.6	24
46	Effect of physical aging on fracture behavior of Te ₂ As ₃ Se ₅ glass fibers. <i>Ceramics International</i> , 2015, 41, 4487-4491.	2.3	7
47	The position of tree shrews in the mammalian tree: Comparing multi- ϵ gene analyses with phylogenomic results leaves monophyly of Euarchonta doubtful. <i>Integrative Zoology</i> , 2015, 10, 186-198.	1.3	33
48	The loss of taste genes in cetaceans. <i>BMC Evolutionary Biology</i> , 2014, 14, 218.	3.2	43
49	Synthesis and Characterization of Polybenzobisoxazole Polymers Containing Trifluoromethyl or Sulfone Groups. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 412-427.	0.4	4
50	High performance crosslinked system based on reaction of benzoxazine with benzoxazole. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1514-1518.	2.5	19
51	Characterization of hairless (Hr) and FGF5 genes provides insights into the molecular basis of hair loss in cetaceans. <i>BMC Evolutionary Biology</i> , 2013, 13, 34.	3.2	51
52	⁷⁷ Se solid-state NMR of As ₂ Se ₃ , As ₄ Se ₄ and As ₄ Se ₃ crystals: a combined experimental and computational study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6284.	1.3	15
53	Synthesis and copolymerization of benzoxazines with low-dielectric constants and high thermal stability. <i>RSC Advances</i> , 2013, 3, 5261.	1.7	48
54	Physical properties of the Ge _x Se _{1-x} glasses in the 0.42 range in correlation with their structure. <i>Journal of Non-Crystalline Solids</i> , 2013, 377, 54-59.	1.5	58

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55	A New Benzoxazine Containing Benzoxazole-Functionalized Polyhedral Oligomeric Silsesquioxane and the Corresponding Polybenzoxazine Nanocomposites. <i>Macromolecules</i> , 2013, 46, 2696-2704.	2.2	115
56	Electrochemic and Photophysics Properties of Pyridine-Based Electron Transmission Material. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 826-840.	0.4	1
57	Bajji genomes reveal low genetic variability and new insights into secondary aquatic adaptations. <i>Nature Communications</i> , 2013, 4, 2708.	5.8	93
58	Effect of Physical Aging Conditions on the Mechanical Properties of $\text{Te}_2\text{As}_3\text{Se}_5$ (TAS) Glass Fibers. <i>Journal of the American Ceramic Society</i> , 2013, 96, 464-468.	1.0	5
59	Positive selection at the ASPM gene coincides with brain size enlargements in cetaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4433-4440.	1.2	28
60	Broadband near-infrared emission of chromium-doped sulfide glass-ceramics containing $\text{Ga}_{25}\text{S}_{30}$ nanocrystals. <i>Optics Letters</i> , 2012, 37, 5043.	1.7	21
61	Fragile-strong behavior in the $\text{As}_x\text{Se}_{1-x}$ glass forming system in relation to structural dimensionality. <i>Physical Review B</i> , 2012, 85, 044202.	1.1	59
62	Preparation and properties of novel low dielectric constant benzoxazole-based polybenzoxazine. <i>Journal of Polymer Science Part A</i> , 2012, 50, 5115-5123.	2.5	66
63	Adaptive evolution and functional constraint at TLR4 during the secondary aquatic adaptation and diversification of cetaceans. <i>BMC Evolutionary Biology</i> , 2012, 12, 39.	3.2	65
64	Thermal Poling of Optical Glasses: Mechanisms and Second-Order Optical Properties. <i>International Journal of Applied Glass Science</i> , 2012, 3, 309-320.	1.0	72
65	Millisecond kinetics of photo-darkening/bleaching in $x\text{Ge}_{45}\text{Se}_{55-(1-x)}\text{As}_{45}\text{Se}_{55}$ chalcogenide amorphous films. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	6
66	A LA-ICP-MS sulphide calibration standard based on a chalcogenide glass. <i>Mineralogical Magazine</i> , 2011, 75, 279-287.	0.6	17
67	Role of rigidity and temperature in the kinetics of photodarkening in $\text{Ge}_x\text{As}_{(45-x)}\text{Se}_{55}$ thin films. <i>Optics Express</i> , 2011, 19, 13158.	1.7	28
68	Phylogenomic analyses and improved resolution of Cetartiodactyla. <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 255-264.	1.2	84
69	Developing a series of conservative anchor markers and their application to phylogenomics of Laurasiatherian mammals. <i>Molecular Ecology Resources</i> , 2011, 11, 134-140.	2.2	9
70	Viscosity of As_2Se_3 Glass During the Fiber Drawing Process. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2408-2411.	1.9	14
71	Self-Reversible Photodarkening of the Mixed $\text{GeS}_2\text{-SbSI}$ Glasses. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1657-1660.	1.9	4
72	Whale phylogeny and rapid radiation events revealed using novel retroposed elements and their flanking sequences. <i>BMC Evolutionary Biology</i> , 2011, 11, 314.	3.2	24

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73	Luminescence Behaviors of Ce ³⁺ Ions in Chalcogenide Glasses. Journal of the American Ceramic Society, 2010, 93, 614-617.	1.9	19
74	Correlation between structure and physical properties of chalcogenide glasses in the $As_{x-1}S_{1-x}$ system. Physical Review B, 2010, 82, .	1.1	117
75	Seven new dolphin mitochondrial genomes and a time-calibrated phylogeny of whales. BMC Evolutionary Biology, 2009, 9, 20.	3.2	106
76	Micro-crystallization of the infrared transmitting chalcogenide glass in GeSe ₂ -As ₂ Se ₃ -PbSe system. Ceramics International, 2009, 35, 83-86.	2.3	27
77	Effects of thermal treatment on broadband near-infrared emission from Bi-doped chalcogenide glasses. Journal of the European Ceramic Society, 2008, 28, 3189-3191.	2.8	16
78	Third-order nonlinearities in GeSe ₂ -In ₂ Se ₃ -CsI glasses for telecommunications applications. Optical Materials, 2008, 31, 75-78.	1.7	19
79	Formation and Properties of the Novel GeSe ₂ -In ₂ Se ₃ -CsI Chalcogenide Glasses. Journal of the American Ceramic Society, 2008, 91, 902-905.	1.9	33
80	Luminescence of Dy ³⁺ -doped Ge _x Ga ₅ Se _(95-x) glasses. Journal of Non-Crystalline Solids, 2008, 354, 1294-1297.	1.5	5
81	In-situ measurement of reversible photodarkening in ion-conducting chalcogenide glass. Optics Express, 2008, 16, 1466.	1.7	28
82	A photo-stable chalcogenide glass. Optics Express, 2008, 16, 10565.	1.7	64
83	Class Formation and Properties of Chalcogenides in a GeSe ₂ -As ₂ Se ₃ -PbSe System. Journal of the American Ceramic Society, 2007, 90, 1500-1503.	1.9	24
84	Effects of Melting Temperature on the Broadband Infrared Luminescence of Bi-Doped and Bi/Dy Co-Doped Chalcogenide Glasses. Journal of the American Ceramic Society, 2007, 90, 3670-3672.	1.9	37
85	Molecular phylogenetics of river dolphins and the baiji mitochondrial genome. Molecular Phylogenetics and Evolution, 2005, 37, 743-750.	1.2	31