

George R Rossman

List of Publications by Year in descending order

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248
papers

14,297
citations

19636

61
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25770

108
g-index

253
all docs

253
docs citations

253
times ranked

8270
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The atomic arrangement and electronic interactions in vonsenite at 295, 100, and 90 K. <i>American Mineralogist</i> , 2022, 107, 92-99. | 0.9 | 0 |
| 2 | Coupled hydrogen and fluorine incorporation in garnet: New constraints from FTIR, ERDA, SIMS, and EPMA. <i>American Mineralogist</i> , 2022, 107, 587-602. | 0.9 | 6 |
| 3 | Electrically Tunable and Dramatically Enhanced Valleyâ€Polarized Emission of Monolayer WS ₂ at Room Temperature with Plasmonic Archimedes Spiral Nanostructures. <i>Advanced Materials</i> , 2022, 34, e2104863. | 11.1 | 24 |
| 4 | New minerals in type A inclusions from Allende and clues to processes in the early solar system: Paqueite, Ca ₃ TiSi ₂ (Al,Ti,Si) ₃ O ₁₄ , and burnettite, Ca ₆ AlSi ₆ O ₂₄ . <i>Meteoritics and Planetary Science</i> , 2022, 57, 1300-1324. | 0.7 | 4 |
| 5 | Response to Comment on â€œDiscovery of davemaoite, CaSiO ₃ -perovskite, as a mineral from the lower mantleâ€: <i>Science</i> , 2022, 376, eabo2029. | 6.0 | 3 |
| 6 | Tunable intraband optical conductivity and polarization-dependent epsilon-near-zero behavior in black phosphorus. <i>Science Advances</i> , 2021, 7, . | 4.7 | 40 |
| 7 | Characterizing Hydration of the Ocean Crust Using Shortwave Infrared Microimaging Spectroscopy of ICDP Oman Drilling Project Cores. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022676. | 1.4 | 1 |
| 8 | Discovery of davemaoite, CaSiO ₃ -perovskite, as a mineral from the lower mantle. <i>Science</i> , 2021, 374, 891-894. | 6.0 | 39 |
| 9 | Direct growth of mm-size twisted bilayer graphene by plasma-enhanced chemical vapor deposition. <i>Carbon</i> , 2020, 156, 212-224. | 5.4 | 34 |
| 10 | Nearly 90% Circularly Polarized Emission in Monolayer WS ₂ Single Crystals by Chemical Vapor Deposition. <i>ACS Nano</i> , 2020, 14, 1350-1359. | 7.3 | 39 |
| 11 | The Nature of the Mn(III) Color Centers in Elbaite Tourmalines. <i>Inorganic Chemistry</i> , 2020, 59, 9618-9626. | 1.9 | 3 |
| 12 | Micro- and nano-size hydrogarnet clusters in calcium silicate garnet: Part II. Mineralogical, petrological, and geochemical aspects. <i>American Mineralogist</i> , 2020, 105, 468-478. | 0.9 | 9 |
| 13 | Micro- and nano-size hydrogrossular-like clusters in pyrope crystals from ultra-high-pressure rocks of the Dora-Maira Massif, western Alps. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1. | 1.2 | 3 |
| 14 | Machiite, Al ₂ Ti ₃ O ₉ , a new oxide mineral from the Murchison carbonaceous chondrite: A new ultra-refractory phase from the solar nebula. <i>American Mineralogist</i> , 2020, 105, 239-243. | 0.9 | 25 |
| 15 | Warkite, Ca ₂ Sc ₆ Al ₆ O ₂₀ , a new mineral in carbonaceous chondrites and a key-stone phase in ultrarefractory inclusions from the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 52-86. | 1.6 | 30 |
| 16 | Micro- and nano-size hydrogarnet clusters and proton ordering in calcium silicate garnet: Part I. The quest to understand the nature of â€œwaterâ€ in garnet continues. <i>American Mineralogist</i> , 2020, 105, 455-467. | 0.9 | 15 |
| 17 | Nitrogen incorporation in silicates and metals: Results from SIMS, EPMA, FTIR, and laser-extraction mass spectrometry. <i>American Mineralogist</i> , 2019, 104, 31-46. | 0.9 | 27 |
| 18 | Electronic Spectra of Minerals in the Visible and Near-Infrared Regions. , 2019, , 3-20. | | 3 |

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|----|---|------|-----------|
| 19 | Davidbrownite-(NH ₄), (NH ₄ ,K) ₅ (V ⁴⁺ O) ₂ (C ₂ O ₄)[PO _{2.75} (OH) ₆ a new phosphate oxalate mineral from the Rowley mine, Arizona, USA. Mineralogical Magazine, 2019, 83, 869-877. | 0.6 | 6 |
| 20 | Vanadium-rich Muscovite from Austria: Crystal Structure, Chemical Analysis, and Spectroscopic Investigations. Canadian Mineralogist, 2019, 57, 383-389. | 0.3 | 2 |
| 21 | Anisotropic Quantum Well Electro-Optics in Few-Layer Black Phosphorus. Nano Letters, 2019, 19, 269-276. | 4.5 | 40 |
| 22 | Ice-VII inclusions in diamonds: Evidence for aqueous fluid in Earth's deep mantle. Science, 2018, 359, 1136-1139. | 6.0 | 166 |
| 23 | Trapping an Iron(VI) Water-Splitting Intermediate in Nonaqueous Media. Joule, 2018, 2, 747-763. | 11.7 | 157 |
| 24 | Liebermannite, K ₃ Si ₃ O ₈ , a new shock metamorphic, high pressure mineral from the Zagami Martian meteorite. Meteoritics and Planetary Science, 2018, 53, 50-61. | 0.7 | 49 |
| 25 | Impact-melt hygrometer for Mars: The case of shergottite Elephant Moraine (EETA) 79001. Earth and Planetary Science Letters, 2018, 490, 206-215. | 1.8 | 18 |
| 26 | Ramazzoite, [Mg ₈ Cu ₁₂ (PO ₄)(CO ₃) ₄ (OH) ₂₄ (H ₂ O) ₂₀][(H _{0.33} SO ₄) ₃ (H ₂ O) ₃₆], the first mineral with a polyoxometalate cation. European Journal of Mineralogy, 2018, 30, 827-834. | 0.4 | 7 |
| 27 | Bodieite, Bi ₃ +2(Te ₄ +O ₃) ₂ (SO ₄), a New Mineral from the Tintic District, Utah, and the Masonic District, California, USA. Canadian Mineralogist, 2018, 56, 763-772. | 0.3 | 6 |
| 28 | Synthesis of a novel strontium-based wide-bandgap semiconductor via X-ray photochemistry under extreme conditions. Journal of Materials Chemistry C, 2018, 6, 12473-12478. | 2.7 | 11 |
| 29 | Pararaisaite, the Dimorph of Raisaite, from the North Star Mine, Tintic, Utah, Usa. Canadian Mineralogist, 2018, 56, 811-820. | 0.3 | 2 |
| 30 | IR spectroscopy and OH ⁻ in silicate garnet: The long quest to document the hydrogarnet substitution. American Mineralogist, 2018, 103, 384-393. | 0.9 | 33 |
| 31 | Heat capacity and entropy behavior of andradite: a multi-sample and methodological investigation. European Journal of Mineralogy, 2018, 30, 681-694. | 0.4 | 8 |
| 32 | Ambient and cold temperature infrared spectra and XRD patterns of ammoniated phyllosilicates and carbonaceous chondrite meteorites relevant to Ceres and other solar system bodies. Meteoritics and Planetary Science, 2018, 53, 1884-1901. | 0.7 | 27 |
| 33 | Determination of the crystallographic orientation of SrI ₂ crystals. Journal of Crystal Growth, 2018, 498, 263-268. | 0.7 | 2 |
| 34 | Kyawthuite, Bi ₃ +Sb ₅ +O ₄ , a new gem mineral from Mogok, Burma (Myanmar). Mineralogical Magazine, 2017, 81, 477-484. | 0.6 | 6 |
| 35 | Tracing the fluid evolution of the Kiruna iron oxide apatite deposits using zircon, monazite, and whole rock trace elements and isotopic studies. Chemical Geology, 2017, 466, 303-322. | 1.4 | 39 |
| 36 | A heterogeneous lunar interior for hydrogen isotopes as revealed by the lunar highlands samples. Earth and Planetary Science Letters, 2017, 473, 14-23. | 1.8 | 36 |

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|----|--|------|-----------|
| 37 | Å»abiÅ„skiite, ideally Ca(AI_{0.5}Ta_{0.5})(SiO₄)O, a new mineral of the titanite group from the PiÅ„awa GÅ³rna pegmatite, the GÅ³ry Sowie Block, southwestern Poland. Mineralogical Magazine, 2017, 81, 591-610. | 0.6 | 5 |
| 38 | Field Effect Optoelectronic Modulation of Quantum-Confined Carriers in Black Phosphorus. Nano Letters, 2017, 17, 78-84. | 4.5 | 89 |
| 39 | Electronic environments of ferrous iron in rhyolitic and basaltic glasses at high pressure. Journal of Geophysical Research: Solid Earth, 2017, 122, 6306-6322. | 1.4 | 15 |
| 40 | HEAT TREATMENT OF GEM QUALITY ANDRADITE (VAR. DEMANTOID): IS INTERVALENCE CHARGE TRANSFER NECESSARY FOR BROWN COLORATION IN ANDRADITE?. , 2017, , . | | 0 |
| 41 | Lead-tellurium oxysalts from Otto Mountain near Baker, California, USA: XII. Andychristyite, PbCu²⁺Te⁶⁺O₅(H₂O), a new mineral with<i>hcp</i> stair-step layers. Mineralogical Magazine, 2016, 80, 1055-1065. | 0.6 | 8 |
| 42 | Ahrensite, Å³-Fe2SiO4, a new shock-metamorphic mineral from the Tissint meteorite: Implications for the Tissint shock event on Mars. Geochimica Et Cosmochimica Acta, 2016, 184, 240-256. | 1.6 | 81 |
| 43 | Raman characterization of synthetic magnesian calcites. American Mineralogist, 2016, 101, 2525-2538. | 0.9 | 63 |
| 44 | Wayneburnhamite, Pb₉Ca₆(Si₂O₇)₃(SiO₄)₃, an apatite polysome: The Mn-free analog of ganomalite from Crestmore, California. American Mineralogist, 2016, 101, 2423-2429. | 0.9 | 4 |
| 45 | Vesuvianite From Pajsberg, Sweden, and the Role of Be In the Vesuvianite Structure. Canadian Mineralogist, 2016, 54, 1525-1537. | 0.3 | 6 |
| 46 | Fluor-schorl, a new member of the tourmaline supergroup, and new data on schorl from the cotype localities. European Journal of Mineralogy, 2016, 28, 163-177. | 0.4 | 14 |
| 47 | Miniaturized time-resolved Raman spectrometer for planetary science based on a fast single photon avalanche diode detector array. Applied Optics, 2016, 55, 739. | 2.1 | 38 |
| 48 | Low water contents in diamond mineral inclusions: Proto-genetic origin in a dry cratonic lithosphere. Earth and Planetary Science Letters, 2016, 433, 125-132. | 1.8 | 31 |
| 49 | 2D Materials: The Influence of Water on the Optical Properties of Single-Layer Molybdenum Disulfide (Adv. Mater. 17/2015). Advanced Materials, 2015, 27, 2733-2733. | 11.1 | 1 |
| 50 | Hydrous species in feldspars: A reassessment based on FTIR and SIMS. American Mineralogist, 2015, 100, 1209-1221. | 0.9 | 42 |
| 51 | Evidence in Tissint for recent subsurface water on Mars. Earth and Planetary Science Letters, 2015, 425, 55-63. | 1.8 | 29 |
| 52 | Tissintite, (Ca,Å€%Na,Å€%Å—j)AlSi2O6, a highly-defective, shock-induced, high-pressure clinopyroxene in the Tissint martian meteorite. Earth and Planetary Science Letters, 2015, 422, 194-205. | 1.8 | 79 |
| 53 | The Influence of Water on the Optical Properties of SingleÅ€Layer Molybdenum Disulfide. Advanced Materials, 2015, 27, 2734-2740. | 11.1 | 44 |
| 54 | Silicon isotope systematics of acidic weathering of fresh basalts, Kilauea Volcano, HawaiiÅ€mi. Geochimica Et Cosmochimica Acta, 2015, 169, 63-81. | 1.6 | 16 |

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|----|---|-----|-----------|
| 55 | Bluebellite and mojaveite, two new minerals from the central Mojave Desert, California, USA. Mineralogical Magazine, 2014, 78, 1325-1340. | 0.6 | 20 |
| 56 | 9. Optical Spectroscopy. , 2014, , 371-398. | | 1 |
| 57 | Device and method of optically orienting biaxial crystals for sample preparation. Review of Scientific Instruments, 2014, 85, 093105. | 0.6 | 6 |
| 58 | Discovery of bridgmanite, the most abundant mineral in Earth, in a shocked meteorite. Science, 2014, 346, 1100-1102. | 6.0 | 243 |
| 59 | Monipite, MoNiP, a new phosphide mineral in a Ca-Al-rich inclusion from the Allende meteorite. American Mineralogist, 2014, 99, 198-205. | 0.9 | 42 |
| 60 | Allendeite (Sc4Zr3O12) and hexamolybdenum (Mo,Ru,Fe), two new minerals from an ultrarefractory inclusion from the Allende meteorite. American Mineralogist, 2014, 99, 654-666. | 0.9 | 53 |
| 61 | Anharmonic lattice dynamics of $\text{Ag}_2\text{Mn}_2\text{S}_7$ by inelastic neutron scattering and first-principles molecular dynamics simulations. Physical Review B, 2014, 89, . | 1.1 | 27 |
| 62 | Fluorowardite, $\text{NaAl}_3(\text{PO}_4)_2(\text{OH})_2 \cdot 2\text{H}_2\text{O}$, the fluorine analog of wardite from the Silver Coin mine, Valmy, Nevada. American Mineralogist, 2014, 99, 804-810. | 0.9 | 5 |
| 63 | Ophirite, $\text{Ca}_2\text{Mg}_4[\text{Zn}_2\text{Mn}_{23}(\text{H}_2\text{O})_2(\text{Fe}_3+\text{W}_9\text{O}_{34})_2] \cdot 46\text{H}_2\text{O}$, a new mineral with a heteropolytungstate tri-lacunary Keggin anion. American Mineralogist, 2014, 99, 1045-1051. | 0.9 | 17 |
| 64 | Color in Natural Diamonds: The Beauty of Defects. Rocks and Minerals, 2014, 89, 66-75. | 0.0 | 5 |
| 65 | Timescales and mechanisms of formation of amorphous silica coatings on fresh basalts at K  lauea Volcano, Hawai'i. Journal of Volcanology and Geothermal Research, 2014, 286, 41-54. | 0.8 | 23 |
| 66 | Lead-tellurium oxysalts from Otto Mountain near Baker, California: X. Bairdite, $\text{Pb}_2\text{Cu}_{42}+\text{Te}_{26}+\text{O}_{10}(\text{OH})_2(\text{SO}_4)(\text{H}_2\text{O})$, a new mineral with thick HCP layers. American Mineralogist, 2013, 98, 1315-1321. | 0.9 | 18 |
| 67 | Lead-tellurium oxysalts from Otto Mountain near Baker, California: XI. Eckhardtite, $(\text{Ca,Pb})\text{Cu}_2+\text{Te}_6+\text{O}_5(\text{H}_2\text{O})$, a new mineral with HCP stair-step layers. American Mineralogist, 2013, 98, 1617-1623. | 0.9 | 15 |
| 68 | Joteite, $\text{Ca}_2\text{CuAl}[\text{AsO}_4][\text{AsO}_3(\text{OH})]_2(\text{OH})_2 \cdot 5\text{H}_2\text{O}$, a new arsenate with a sheet structure and unconnected acid arsenate groups. Mineralogical Magazine, 2013, 77, 2811-2823. | 0.6 | 7 |
| 69 | The dumortierite supergroup. II. Three new minerals from the Szklary pegmatite, SW Poland: Nioboholtite, $(\text{Nb}_{0.6}+\text{Ta}_{0.4})\text{Al}_6\text{BSi}_3\text{O}_{18}$, titanoholtite, $(\text{Ti}_{0.75}+\text{Zr}_{0.25})\text{Al}_6\text{BSi}_3\text{O}_{18}$, and szklaryite, $\text{Al}_6\text{BAs}_3\text{O}_{15}$. Mineralogical Magazine, 2013, 77, 2841-2856. | 0.6 | 9 |
| 70 | Refractive index and optical dispersion of In_2O_3 , InBO_3 and gahnite. Materials Research Bulletin, 2013, 48, 2240-2243. | 2.7 | 33 |
| 71 | Darrellhenryite, $\text{Na}(\text{LiAl}_2)\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{OH})_3\text{O}$, a new mineral from the tourmaline supergroup. American Mineralogist, 2013, 98, 1886-1892. | 0.9 | 20 |
| 72 | Analysis of hydrogen and fluorine in pyroxenes: I. Orthopyroxene. American Mineralogist, 2013, 98, 1026-1041. | 0.9 | 67 |

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|----|--|-----|-----------|
| 73 | Analysis of hydrogen and fluorine in pyroxenes: II. Clinopyroxene. <i>American Mineralogist</i> , 2013, 98, 1042-1054. | 0.9 | 71 |
| 74 | Kangite, (Sc,Ti,Al,Zr,Mg,Ca,Å)2O3, a new ultra-refractory scandia mineral from the Allende meteorite: Synchrotron micro-Laue diffraction and electron backscatter diffraction. <i>American Mineralogist</i> , 2013, 98, 870-878. | 0.9 | 42 |
| 75 | The dumortierite supergroup. I. A new nomenclature for the dumortierite and holtite groups. <i>Mineralogical Magazine</i> , 2013, 77, 2825-2839. | 0.6 | 14 |
| 76 | Camaronesite, [Fe3+(H2O)2(PO3OH)]2(SO4)Å·1Å“2H2O, a new phosphate-sulfate from the Camarones Valley, Chile, structurally related to taranakite. <i>Mineralogical Magazine</i> , 2013, 77, 453-465. | 0.6 | 10 |
| 77 | The diffusion behavior of hydrogen in plagioclase feldspar at 800-1000 ÅC: Implications for re-equilibration of hydroxyl in volcanic phenocrysts. <i>American Mineralogist</i> , 2013, 98, 1779-1787. | 0.9 | 41 |
| 78 | Natural hydrous amorphous silica: Quantitation of network speciation and hydroxyl content by 29Si MAS NMR and vibrational spectroscopy. <i>American Mineralogist</i> , 2012, 97, 203-211. | 0.9 | 38 |
| 79 | Synthetic B-rich olenite: Correlations of single-crystal structural data. <i>American Mineralogist</i> , 2012, 97, 1591-1597. | 0.9 | 19 |
| 80 | Panguite, (Ti4+,Sc,Al,Mg,Zr,Ca)1.8O3, a new ultra-refractory titania mineral from the Allende meteorite: Synchrotron micro-diffraction and EBSD. <i>American Mineralogist</i> , 2012, 97, 1219-1225. | 0.9 | 52 |
| 81 | Limitations of Fe2+ and Mn2+ site occupancy in tourmaline: Evidence from Fe2+- and Mn2+-rich tourmaline. <i>American Mineralogist</i> , 2012, 97, 1402-1416. | 0.9 | 35 |
| 82 | Li-bearing tourmalines in Variscan granitic pegmatites from the Moldanubian nappes, Lower Austria. <i>European Journal of Mineralogy</i> , 2012, 24, 695-715. | 0.4 | 30 |
| 83 | Direct measurement of hydroxyl in the lunar regolith and the origin of lunar surface water. <i>Nature Geoscience</i> , 2012, 5, 779-782. | 5.4 | 120 |
| 84 | Quantitative laser-induced breakdown spectroscopy of potassium for in-situ geochronology on Mars. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 70, 45-50. | 1.5 | 25 |
| 85 | Buseckite, (Fe,Zn,Mn)S, a new mineral from the Zakłodzie meteorite. <i>American Mineralogist</i> , 2012, 97, 1226-1233. | 0.9 | 36 |
| 86 | Laser-induced time-resolved luminescence of natural sillimanite Al2SiO5 and synthetic Al2SiO5 activated by chromium. <i>Journal of Luminescence</i> , 2012, 132, 2855-2862. | 1.5 | 13 |
| 87 | Browneite, MnS, a new sphalerite-group mineral from the Zakłodzie meteorite. <i>American Mineralogist</i> , 2012, 97, 2056-2059. | 0.9 | 30 |
| 88 | Krotite, CaAl2O4, a new refractory mineral from the NWA 1934 meteorite. <i>American Mineralogist</i> , 2011, 96, 709-715. | 0.9 | 60 |
| 89 | Brearleyite, Ca12Al14O32Cl2, a new alteration mineral from the NWA 1934 meteorite. <i>American Mineralogist</i> , 2011, 96, 1199-1206. | 0.9 | 39 |
| 90 | Yttriaite-(Y): The natural occurrence of Y2O3 from the Bol'shaya Pol'ya River, Subpolar Urals, Russia. <i>American Mineralogist</i> , 2011, 96, 1166-1170. | 0.9 | 12 |

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|-----|---|------|-----------|
| 91 | Fast single-photon avalanche diode arrays for laser Raman spectroscopy. <i>Optics Letters</i> , 2011, 36, 3672. | 1.7 | 42 |
| 92 | Afmite, $\text{Al}_3(\text{OH})_4(\text{H}_2\text{O})_3(\text{PO}_4)(\text{PO}_3\text{OH})\cdot\text{H}_2\text{O}$, a new mineral from Fumade, Tarn, France: description and crystal structure. <i>European Journal of Mineralogy</i> , 2011, 23, 269-277. | 0.4 | 5 |
| 93 | Laser-induced time-resolved luminescence of orange kyanite Al_2SiO_5 . <i>Optical Materials</i> , 2011, 33, 1476-1480. | 1.7 | 15 |
| 94 | Dissymmetrization in tourmaline: the atomic arrangement of sectorally zoned triclinic Ni-bearing dravite. <i>Canadian Mineralogist</i> , 2011, 49, 29-40. | 0.3 | 10 |
| 95 | Analysis of hydrogen in olivine by SIMS: Evaluation of standards and protocol. <i>American Mineralogist</i> , 2011, 96, 1725-1741. | 0.9 | 98 |
| 96 | Murchisite, Cr_5S_6 , a new mineral from the Murchison meteorite. <i>American Mineralogist</i> , 2011, 96, 1905-1908. | 0.9 | 26 |
| 97 | The Chinese red feldspar controversy: Chronology of research through July 2009. <i>Gems & Gemology</i> , 2011, 47, 16-30. | 0.4 | 5 |
| 98 | DEVITOITE, A NEW HETEROPHYLLOSILICATE MINERAL WITH ASTROPHYLLITE-LIKE LAYERS FROM EASTERN FRESNO COUNTY, CALIFORNIA. <i>Canadian Mineralogist</i> , 2010, 48, 29-40. | 0.3 | 19 |
| 99 | Lunar apatite with terrestrial volatile abundances. <i>Nature</i> , 2010, 466, 466-469. | 13.7 | 258 |
| 100 | Tourmaline of the elbaite-schorl series from the Himalaya Mine, Mesa Grande, California: A detailed investigation. <i>American Mineralogist</i> , 2010, 95, 24-40. | 0.9 | 34 |
| 101 | CRYSTAL CHEMISTRY OF DARK BLUE AQUAMARINE FROM THE TRUE BLUE SHOWING, YUKON TERRITORY, CANADA. <i>Canadian Mineralogist</i> , 2010, 48, 597-613. | 0.3 | 38 |
| 102 | Silica coatings in the Ka'u Desert, Hawaii, a Mars analog terrain: A micromorphological, spectral, chemical, and isotopic study. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 38 |
| 103 | Time-resolved Raman spectroscopy for in situ planetary mineralogy. <i>Applied Optics</i> , 2010, 49, 4951. | 2.1 | 34 |
| 104 | Developments in Gemstone Analysis Techniques and Instrumentation During the 2000s. <i>Gems & Gemology</i> , 2010, 46, 241-257. | 0.4 | 27 |
| 105 | Tistarite, Ti_2O_3 , a new refractory mineral from the Allende meteorite. <i>American Mineralogist</i> , 2009, 94, 841-844. | 0.9 | 101 |
| 106 | Mid-infrared reflectance spectra and optical constants of six iron oxide/oxyhydroxide phases. <i>Icarus</i> , 2009, 204, 663-671. | 1.1 | 66 |
| 107 | The Geochemistry of Gems and Its Relevance to Gemology: Different Traces, Different Prices. <i>Elements</i> , 2009, 5, 159-162. | 0.5 | 47 |
| 108 | Plumbophyllite, a new species from the Blue Bell claims near Baker, San Bernardino County, California. <i>American Mineralogist</i> , 2009, 94, 1198-1204. | 0.9 | 23 |

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|-----|---|-----|-----------|
| 109 | THE CRYSTAL CHEMISTRY OF THE KORNERUPINE-PRISMATINE SERIES. II. THE ROLE OF HYDROGEN. Canadian Mineralogist, 2009, 47, 263-274. | 0.3 | 5 |
| 110 | Davsite, CaScAlSiO ₆ , a new pyroxene from the Allende meteorite. American Mineralogist, 2009, 94, 845-848. | 0.9 | 54 |
| 111 | Calcium Tschermak's pyroxene, CaAlAlSiO ₆ , from the Allende and Murray meteorites: EBSD and micro-Raman characterizations. American Mineralogist, 2009, 94, 1483-1486. | 0.9 | 42 |
| 112 | Grossmanite, CaTi ₃ +AlSiO ₆ , a new pyroxene from the Allende meteorite. American Mineralogist, 2009, 94, 1491-1494. | 0.9 | 62 |
| 113 | Barioperovskite, BaTiO ₃ , a new mineral from the Benitoite Mine, California. American Mineralogist, 2008, 93, 154-157. | 0.9 | 59 |
| 114 | V ³⁺ -bearing, Mg-rich, strongly disordered olenite from a graphite deposit near Amstall, Lower Austria: A structural, chemical and spectroscopic investigation. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2008, 184, 243-253. | 0.1 | 22 |
| 115 | GREENISH QUARTZ FROM THE THUNDER BAY AMETHYST MINE PANORAMA, THUNDER BAY, ONTARIO, CANADA. Canadian Mineralogist, 2008, 46, 111-124. | 0.3 | 9 |
| 116 | Hydrogen analysis in minerals by continuous-flow mass spectrometry. American Mineralogist, 2007, 92, 1990-1997. | 0.9 | 16 |
| 117 | THE ORIGIN OF COLOR IN "FIRE" OBSIDIAN. Canadian Mineralogist, 2007, 45, 551-557. | 0.3 | 22 |
| 118 | Thermochromic and photochromic behaviour of "chameleon" diamonds. Diamond and Related Materials, 2007, 16, 401-408. | 1.8 | 16 |
| 119 | Estimated optical constants of gypsum in the regions of weak absorptions: Application of scattering theories and comparisons to independent measurements. Journal of Geophysical Research, 2007, 112, . | 3.3 | 37 |
| 120 | Mid-infrared (5-100 μ m) reflectance spectra and optical constants of ten phyllosilicate minerals. Icarus, 2007, 192, 605-622. | 1.1 | 63 |
| 121 | Potential protonation sites in the Al ₂ SiO ₅ polymorphs based on polarized FTIR spectroscopy and properties of the electron density distribution. Physics and Chemistry of Minerals, 2007, 34, 295-306. | 0.3 | 5 |
| 122 | Yellow Mn-Rich Tourmaline From The Canary Mining Area, Zambia. Gems & Gemology, 2007, 43, 314-331. | 0.4 | 6 |
| 123 | Hydrogen incorporation in olivine from 2-12 GPa. American Mineralogist, 2006, 91, 285-294. | 0.9 | 194 |
| 124 | Analytical Methods for Measuring Water in Nominally Anhydrous Minerals. Reviews in Mineralogy and Geochemistry, 2006, 62, 1-28. | 2.2 | 92 |
| 125 | Low Voltage FESEM of Geological Materials. Microscopy Today, 2006, 14, 20-23. | 0.2 | 20 |
| 126 | 1. Analytical Methods for Measuring Water in Nominally Anhydrous Minerals. , 2006, , 1-28. | | 10 |

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|-----|--|-----|-----------|
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