

静岡大学地球科学系業績目録2011-2015

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本学地球科学系2教室職員の研究業績を年代順, 筆頭著者のアルファベット順に掲載してある。
1976-1980年の業績は本研究報告第7号(1982), 1981-1985年は第12号(1986), 1986-1990年は
第17号(1991), 1991-1995年は第23号(1996), 1996-2000年は第28号(2001), 2001-2005年
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2011

- Blackman D. K., Ildfonse B., John B. E., Ohara Y., Miller D. J., Abe N., Abratis M., Andal E. S., Andreani M., Awaji S., Beard J. S., Brunelli D., Charney A. B., Christie D. M., Collins J., Delacour A. G., Delius H., Drouin M., Einaudi F., Escartin J., Frost B. R., Fruh-Green G., Fryer P. B., Gee J. S., Godard M., Grimes C. B., Halfpenny A., Hansen H. -E., Harris A. C., Tamura A., Hayman N. W., Hellebrand E., Hirose T., Hirth J. G., Ishimaru S., Johnson K. T. M., Karner G. D., Linek M., MacLeod C. J., Maeda J., Mason O. U., McCaig A. M., Michibayashi K., Morris A., Nakagawa T., Nozaka T., Rosner M., Searle R. C., Suhr G., Tominaga M., von der Handt A., Yamasaki T. & Zhao Z. Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N. *Journal of Geophysical Research*, **116**, B07103, doi:10.1029/2010JB007931
- 中央防災会議「災害教訓の継承に関する専門調査会」編, 災害史に学ぶ(火山編). 内閣府(防災担当), 東京, 73p. (分担執筆: 小山真人)
- Dubinsky Z. & Stambler N. (eds.) *Coral Reefs: An Ecosystem in Transition*, Springer Publishers, London, 552p. (分担執筆: 鈴木款)
- Farook M., Fairouz M., Suzuki Y. & Casareto B. E., Behavior of dissolved organic matter in coral reef waters in relation with biological processes. *Modern Applied Science*, **5**, 3-11.
- Harigane Y., Michibayashi K. & Ohara Y., Deformation and hydrothermal metamorphism of gabbroic rocks within the Godzilla Megamullion, Parece Vela Basin, Philippine Sea. *Lithos*, **124**, 185-199.
- Harigane Y., Michibayashi K. & Ohara Y., Relicts of deformed lithospheric mantle within serpentinites and weathered peridotites from the Godzilla Megamullion, Parece Vela Back-Arc Basin, Philippine Sea. *Island Arc*, **20**, 174-187.
- Harigane Y., Mizukami T., Morishita T., Michibayashi K., Abe N. & Hirano N., Direct evidence for upper mantle structure within the NW Pacific Plate: microstructural analyses of a petit-spot peridotite xenolith. *Earth and Planetary Science Letters*, **302**, 194-202.
- Higashi R. & Tsukagoshi A., Four new species of the interstitial family Cobanocytheridae (Crustacea; Ostracoda) from central Japan. *Zootaxa*, **2924**, 33-56.
- Higashi R., Tsukagoshi A., Kimura H. & Kato K., Male dimorphism in a new interstitial species of the genus *Microloxoconcha* (Podocopa: Ostracoda). *Journal of Crustacean Biology*, **31**, 142-152.
- ひょうご震災記念21世紀研究機構災害対策全書編集企画委員会編, 災害対策全書1: 災害概論. ぎょうせい, 東京, 487p. (分担執筆: 小山真人)
- Irikawa A., Casareto B. E., Suzuki Y., Agostini S., Hidaka M. & Woesik R., Growth anomalies on *Acropora cytherea* corals. *Marine Pollution Bulletin*, **62**, 1702-1707.

- Kaji T., Møller O. S. & Tsukagoshi A., A bridge between original and novel states - Ontogeny and function of “suction discs” in the Branchiura (Crustacea) -. *Evolution & Development*, **13**, 119–126.
- 狩野謙一・久保田広亮, 南アルプス東部, 早川沿いの糸魚川—静岡構造線観察ガイド (案内看板およびパンフレット). 山梨県南巨摩群早川町教育委員会.
- Katayama I., Michibayashi K., Terao R., Ando J. & Komiya T., Water content of the mantle xenoliths from Kimberley and implications for explaining textural variations in cratonic roots. *Geological Journal*, **46**, 173–182.
- Kato M., Hiroi Y., Harlov D.E. & Satish-Kumar M., Metastable corundum + quartz + andalusite association in pelitic granulite from the Kerala Khondalite Belt, Southern India. *Journal of Mineralogical and Petrological Sciences*, **106**, 195–203.
- Kawasaki N., Sohrin R., Ogawa H., Nagata T. & Benner R., Bacterial content and the living and detrital contributions to suspended particulate organic carbon in the North Pacific Ocean. *Aquatic Microbial Ecology*, **62**, 165–176.
- 加藤 進・平松 力・三輪美智子・延原尊美, 長野県中部中新統別所層に挟在する穴沢石灰岩の地質年代と堆積環境. 瑞浪市化石博物館研究報告, **37**, 135–147.
- Kimura H., Young R., Martinez A. & DeLong F. E., Light-induced transcriptional responses associated with proteorhodopsin-enhanced growth in a marine flavobacterium. *The ISME Journal*, **5**, 1641–1651.
- Kitamura A., Tada K., Sakai S., Yamamoto N., Ubukata T., Miyaji T. & Kase T., Age and growth of *Glossocardia obesa*, a “large” bivalve in a submarine cave within coral reef, as revealed by oxygen isotope analysis. *The Veliger*, **51**, 59–65.
- Kitamura A., Ikehara K., Katayama H. & Koshino A., Changes in molluscan assemblages and sediment type in the outer shelf of the Japan Sea since 13,000 years BP. *Paleontological Research*, **15**, 37–42.
- 北村晃寿・藤原 治・小林小夏・赤池史帆・玉置周子・増田拓朗・浦野雪峰・小倉一輝・北村賀子・増田俊明, 静岡県静岡平野南東部における完新統のボーリングコアによる遡上した津波堆積物の調査 (速報). 静岡大学地球科学研究報告, **38**, 3–19.
- 北村晃寿・若山典央, 宮城県仙台平野大沼周辺における遡上した津波堆積物の調査. 静岡大学地球科学研究報告, **38**, 1–2.
- 小山真人, パニック神話に踊らされる人々—福島原発災害にまつわる不当な情報制限. 科学, **81**, 2–3. (尾内隆之・調麻佐志編「科学者に委ねてはいけないこと 科学から「生」をとりもどす」岩波書店2013年刊に再録)
- 小山真人・村越 真・吉川肇子, 地震・火山に関する防災情報の実効性検証の現状と課題. 日本地震学会ニューズレター, **23**, 36–37.
- 小山真人・村越 真・上西智紀, ジオパークのガイド養成過程における大地の成り立ちの理解とその価値への気付き—伊豆半島在住の高校生に対するケーススタディー. 静岡大学教育実践総合センター紀要, **9**, 11–18.
- 小森直昭・道林克禎, 夜久野オフィオライト待ちの山超マフィック岩体南部断層境界に発達したブロックインマトリックス構造. 静岡大学地球科学研究報告, **38**, 21–26.
- Lin A. & Nishikawa M., Shear zone structures of the co-seismic surface ruptures produced by the 2001 Mw7.8 Kunlun earthquake, northern Tibetan Plateau. *Journal of Structural Geology*, **33**, 1302–1311.
- Lin A., Jia D., Rao G., Yan B., Wu X. & Ren Z., Recurrent morphogenic earthquakes occurred in the past millenarian along the strike-slip Yushu Fault, central Tibetan Plateau. *Bulletin of Seismological Society of America*, **101**, 2755–2764.
- Lin A., Rao G., Jia D., Wu X., Yan B. & Ren Z., Co-seismic strike-slip surface rupture and displacement produced by the 2010 Mw6.9 Yushu earthquake, China, and implications for Tibetan tectonics. *Journal of Geodynamics*, **52**, 249–259.
- Lin A., Seismic slip recorded in the fluidized ultractaelastic veins formed along the coseismic shear zone during the 2008 Mw7.9 Wenchuan earthquake. *Geology*, **39**, 547–550.
- Muramoto M., Michibayashi K., Ando J. & Kagi H., Rheological contrast between garnet and clinopyroxene in the mantle wedge: an example from Higashi-akaishi peridotite mass, SW Japan. *Physics of the Earth and Planetary Interiors*, **84**, 14–33.
- 村越 真・小山真人・上西智紀, ジオパークでの地形・地質学的特徴把握を促進する地図表現の検討—赤色立体地図を事例として— 地図, **49**, 17–27.
- 村越 真・小山真人・大石勝博・岩田孝仁, 退避タイミングの教示とイメージトレーニングの地震時退避行動への効果: 緊急地震速報の有無による比較. 災害情報, **9**, 94–102.
- Nishii A., Wallis S. R., Mizukami T. & Michibayashi K., Subduction related antigorite CPO patterns from forearc mantle in the Sanbagawa belt, southwest Japan. *Journal of Structural Geology*, **33**, 1436–1445.
- Rao G. & Lin A., Distribution of inundation by the great tsunami of the 2011 Mw 9.0 off Pacific Coast of Tohoku (Japan)

- earthquake, as revealed by ALOS imagery data. *International Journal of Remote Sensing*, **32**, 7073–7086.
- Rao G., Lin A., Jia D., Wu X., Yan B. & Ren Z., Co-seismic surface strike-slip shear structures produced by the 2010 Mw6.9 Yushu earthquake, central Tibetan Plateau. *Tectonophysics*, **507**, 86–94.
- Satish-Kumar M., Jaszczak J. A., Hamamatsu T. & Wada H., Relationship between structure, morphology and carbon isotopic composition of graphite in marbles: Implications for calcite-graphite carbon isotope thermometry. *American Mineralogist*, **96**, 470–485.
- Satish-Kumar M., So H., Yoshino T., Kato M. & Hiroi Y., Experimental determination of carbon isotope fractionation between iron carbide melt and carbon: ^{12}C -enriched carbon in the Earth's core? *Earth and Planetary Science Letters*, **310**, 340–348.
- Satish-Kumar M., Yoshida Y. & Wada H., Carbon and oxygen isotope measurement of carbonate molecule in spurrite $[\text{Ca}_5\text{Si}_2\text{O}_8(\text{CO}_3)]$. *Geoscience Reports of Shizuoka University*, **38**, 27–32.
- Satish-Kumar M., Yurimoto H., Itoh S. & Cesare B., Carbon isotope anatomy of a single graphite crystal in a metapelitic migmatite revealed by high-spatial resolution SIMS analysis. *Contributions to Mineralogy and Petrology*, **162**, 821–834.
- Satsukawa T., Michibayashi K., Anthony E. Y., Stern R. J., Gao S. S. & Liu K. H., Seismic anisotropy of the uppermost mantle beneath the Rio Grande rift: Evidence from Kilbourne Hole peridotite xenoliths, New Mexico. *Earth and Planetary Science Letters*, **311**, 172–181.
- Shiino Y. & Suzuki Y., The ideal hydrodynamic form of the concavo-convex productide (Brachiopoda) shell. *Lethaia*, **44**, 329–343.
- Shiino Y., Suzuki Y. & Kobayashi F., Sedimentary history with biotic reaction in the Middle Permian shelly sequence of the Southern Kitakami Massif, Japan. *Island Arc*, **20**, 203–220.
- Shiino Y., Yamada S., Suzuki Y. & Suzuki C., Ptycholophous lophophore in productidine brachiopod. *Paleontological Research*, **15**, 233–239.
- Sohrin R., Isaji M., Obara Y., Agostini S., Suzuki Y., Hiroe Y., Ichikawa T. & Hidaka K., Distribution of Synechococcus in the dark ocean. *Aquatic Microbial Ecology*, **64**, 1–14.
- 宗林留美・今西國松・鈴木 款, 千島・オホーツク海における溶存有機物の観測結果. 月刊海洋, **43**, 655–661.
- 末岡 茂・Kohn B. P.・田上高広・長谷部徳子・堤 浩之・田村明弘・荒井章司・狩野謙一・池田安隆・白濱吉紀, 低温領域の熱年代学から見た木曾山脈・赤石山脈の傾動隆起. フィッション・トラック ニュースレター, **2**, 68–69.
- 末岡 茂・Kohn B. P.・池田安隆・狩野謙一・堤 浩之・田上高広, 低温領域の熱年代学的手法に基づいた赤石山脈の隆起・剝剥史の解明. 地学雑誌, **120**, 1003–1012.
- Suzuki Y. & Casareto B. E., The Role of Dissolved Organic Nitrogen (DON) in Coral Biology and Reef Ecology. In: Dubinsky Z. & Stambler N. (eds.) *Coral Reefs: An Ecosystem in Transition*, 207–214.
- 鈴木晃仁編, 「ゆとりと生命をめぐる」生命の教養学VI. 慶應義塾大学出版会, 東京都, 256p. (分担執筆: 鈴木款)
- 鈴木 款・大葉英雄・土屋 誠編, 「サンゴ礁学」. 東海大学出版会, 神奈川県, 280p.
- 鈴木 款, 海洋の二酸化炭素の調節と海洋生態系の役割: 鍵は有機物循環. 日本海水学会誌, **65**, 21–28.
- Tanaka S., Ikeda K., Miyasaka H., Shioi Y., Suzuki Y., Tamoi M., Takeda T., Shigeoka S., Harada K. & Hirata K., Comparison of three Chlamydomonas strains which show distinctive oxidative stress tolerance. *Journal of Bioscience and Bioengineering*, **112**, 462–468.
- Tsuboi T., Iwata H., Wada H., Matsuzaki H., Sohrin R., Hiroe Y., Ichikawa T., Hidaka K. & Watanabe T., Water column profiles of dissolved inorganic radiocarbon for the Kuroshio region, offshore of the southern Japanese coast. *Radiocarbon*, **53**, 679–690.
- 坪井辰哉・柏木麻美・宇都宮正志・和田秀樹・Satish-Kumar M.・新妻信明, 静岡大学MAT-250質量分析計によるドロマイト試料の測定法. 静岡大学地球科学研究報告, **38**, 33–46.
- 塚越 哲, タイ南部ソクラー湖のオストラコーダ. 自然史しずおか, **33**, 8.
- 生形貴男, 生物のかたちの測定と比較. 化石, **89**, 39–54.
- Watanabe T., Shirasugi Y., Yano H. & Michibayashi K., Seismic velocity in antigorite-bearing serpentinite mylonites. The Geological Society, *Deformation Mechanism, Rheology & Tectonics: Microstructures, Mechanics & Anisotropy*, **360**, 97–112.

2012

- Agostini S., Suzuki Y., Higuchi T., Casareto B. E., Yoshinaga K., Nakano Y. & Fujimura H., Biological and Chemical Characteristics of the Coral Gastric Cavity. *Coral Reefs*, **31**, 147–156.
- Casareto B. E., Niraula M. P. & Suzuki Y., Dynamics of organic carbon under different inorganic nitrogen levels and phytoplankton composition. *Estuarine, Coastal and Shell Science*, **63**, 1–11.
- Charpy L., Casareto B. E., Langlade M. J. & Suzuki Y., Cyanobacteria in coral reef ecosystems. *Journal of Marine Biology*, **2012**, id:259571.
- Weil E., Irikawa A., Casareto B. E. & Suzuki Y., Extended geographic distribution of several Indo-Pacific coral reef diseases. *Diseases of aquatic organisms*, **98**, 163–170.
- Fukuda J., Okudaira T., Satsukawa T. & Michibayashi K., Solution-precipitation of K-feldspar in deformed granitoids and its relationship to the distribution of water. *Tectonophysics*, **532–535**, 175–185.
- 針金由美子・道林克禎, 走査型蛍光X線分析顕微鏡を用いた層状はんれい岩の組織解析: 予察. 静岡大学地球科学研究報告, **39**, 7–27.
- Hattori S., Nashimoto H., Kimura H., Koba K., Yamada K., Shimizu M., Watanabe H., Yoh M. & Yoshida N., Hydrogen and carbon isotope fractionation by thermophilic hydrogenotrophic methanogens from a deep aquifer under coculture with fermenters. *Geochemical Journal*, **46**, 193–200.
- Higashi R. & Tsukagoshi A., Two new species of the interstitial genus *Parvocythere* (Crustacea, Ostracoda, Cytheroidea) from Japan: an example of morphological variation. *ZooKeys*, **193**, 27–48.
- Higuchi T., Suzuki Y. & Fujimura H., Multiple effects of hydrogen peroxide and temperature on antioxidants and bleaching. *Proceedings of the 12th International Coral Reef Symposium*, 4C–3.
- Hoiles P. W., Gallagher S. J., Kitamura A. & Southwood J. M., The evolution of the Tsushima Current during the early Pleistocene in the Sea of Japan: An example from Marine Isotope Stage (MIS) 47. *Global and Planetary Change*, **92–93**, 162–178.
- 池谷直樹・里村幹夫・加治由記・笠原英男・大村 純・安田 清, 災害等への大学としての備え, 対応. *CAMPUS HEALTH*, **49**, 131–135.
- Ikuta R., Satomura M., Shimada S., Fujita A. & Ando M., A small persistent locked area associated with the 2011 Mw9.0 Tohoku-Oki earthquake, deduced from GPS data. *Journal of Geophysical Research*, **117**, B11408, doi:10.1029/2012JB009335
- Ishibashi H., Arakawa M., Yamamoto J. & Kagi H., Precise determination of Mg/Fe ratio applicable to terrestrial olivine using Raman spectroscopy. *Journal of Raman Spectroscopy*, **43**, 331–337.
- Ishibashi H., Kagi H., Sakurai H., Ohfuji H. & Sumino H., Hydrous fluid as the growth media of natural polycrystalline diamond, carbonado: implication from IR spectra and microtextural observations. *American Mineralogist*, **97**, 1366–1372.
- Islam M. N., Casareto B. E., Higuchi T., Nirayla M. P. & Suzuki Y., Contribution of coral rubble associated microbial community to the dissolution of calcium carbonate under high pCO₂. *Galaxea, Journal of Coral Reef Studies*, **14**, 1–13.
- Kaji T., Venmathi Maran B. A., Kondoh Y., Ohtsuka S., Boxshall G. A. & Tsukagoshi A., The lunule of caligid copepods: an evolutionarily novel structure. *Evolution & Development*, **14**, 465–475.
- 狩野謙一, 糸魚川—静岡構造線新倉露頭の断層上盤側の崩落. 日本地質学会 *News*, **15–2**, 10–11.
- 加藤憲二・瀬川琢也・永翁一代, 水循環と地下生命圏—富士山地下圏を例に. *River Front*, **74**, 12–16.
- 木村浩之, 地下圏微生物利用の新エネルギー生産システム —発電システムへの応用—. 化学装置, **54**, 38–41.
- 木村浩之, 微生物分子温度計による地下圏の温度プロファイリング. 月刊地球, **34**, 201–206.
- 木村浩之・小澤邦雄・増田俊明, 地下圏微生物を利用した付加帯エネルギー生産システム. ケミカルエンジニアリング, **57**, 38–41.
- 北原糸子・松浦律子・木村玲欧編, 日本歴史災害事典. 吉川弘文館, 東京, 838p. (分担執筆: 小山真人)
- Kitamura A., Yamamoto N. & Kobayashi K., Growth of a submarine cave-dwelling micro-bivalve *Carditella iejimensis*. *Venus*, **70**, 41–45.
- 北村晃寿, 温暖化予測・巨大津波減災のための古環境研究. 月刊海洋, **44**, 264–271.
- Kobayashi T., Yamamoto J., Hirajima T., Ishibashi H., Hirano N., Lai Y., Prikhod'ko V. S. & Arai S., Conformity and

- precision of CO₂ densimetry in CO₂ inclusions: microthermometry versus Raman microspectroscopic densimetry. *Journal of Raman Spectroscopy*, **43**, 1126–1133.
- 小山真人, 火山がつくった西伊豆の風景 —伊豆半島南西部のジオマップ—. 静岡新聞社, 静岡市.
- 小山真人, 火山と地震がつくった静岡県の風景. 静岡地理, **54**, 4–7.
- 小山真人, 静岡県周辺で詳細放射線量マップを描く意義. 科学, **82**, 828–831.
- 小山真人, 富士山宝永噴火とそれに伴う降灰災害. 武蔵野, **87**, 35–43.
- Lin A, Ikuta R. & Rao G., Tsunami run-up associated with co-seismic thrust slip produced by the 2011 Mw 9.0 Off Pacific Coast of Tohoku earthquake, Japan. *Earth and Planetary Science Letters*, **337–338**, 121–132.
- Lin A., Rao G. & Yan B., Field evidence of rupture of the Qingchuan Fault during the 2008 Mw7.9 Wenchuan earthquake, northeastern segment of the Longmen Shan Thrust Belt, China. *Tectonophysics*, **522–523**, 243–252.
- Lin A., Shin J.-H. & Kano K., Fluidized cataclastic veins along the Itoigawa-Shizuoka Tectonic Line Active Fault System, Central Japan and its Seismotectonic Implications. *Journal of Geology*, **120**, 453–465.
- Michibayashi K., Mohole to the Mantle (M2M) An Ultradeep Drilling Project to the Mantle Led by Japanese Scientists. *Elements*, **8**, 304.
- Michibayashi K. & Imoto H., Grain growth kinetics and the effect of crystallographic anisotropy on normal grain growth of quartz. *Physics and Chemistry of Minerals*, **39**, 213–218.
- Michibayashi K., Kusafuka Y., Satsukawa T. & Nasir S. J., Seismic properties of peridotite xenoliths as a clue to imaging the lithospheric mantle beneath NE Tasmania, Australia. *Tectonophysics*, **522–523**, 218–223.
- 道林克禎, かんらん石ファブリック：上部マントルを探る手がかり. 岩石鉱物科学, **41**, 267–274.
- 道林克禎, モホ点描—超深部掘削で何がわかるのか？ 月刊地球, **34**, 189–193.
- 道林克禎・森下知晃・村山雅史・西 弘嗣・尾鼻浩一郎・鈴木庸平・高澤栄一・山田泰広・横山祐典, スコットランド南東部シッカー岬とハットンの不整合. 地質学雑誌, **118**, IX–X.
- 道林克禎・大原達也, 海洋地殻—マントル境界に発達した延性剪断帯と加水による軟化作用, 月刊地球, **34**, 136–141.
- Mori K., Iino T., Ishibashi J., Kimura H. & Suzuki K., *Meiothermus hypogaeus* sp. nov., a novel moderately thermophilic bacterium isolated from a Japanese hot spring. *International Journal of Systematic and Evolutionary Microbiology*, **62**, 112–117.
- 村越 真・小山真人・河合美保・鈴木雄介, ジオパークのガイド養成講座を通じた受講者の知識、態度と意識の変容. 静岡大学教育実践総合センター紀要, **20**, 195–202.
- 日本地質学会構造地質部会編, 日本の地質構造100選. 朝倉書店, 173p. (分担執筆：狩野謙一・林愛明)
- 日本進化学会編, 進化学事典, 共立出版, 東京, 975p. (分担執筆：北村晃寿・鈴木雄太郎・生形貴男)
- Ninomiya A., Hidaki M., Ohara Y., Michibayashi K. & Kodani S., 1,6-dihydrophenazine producing actinomycete *Nocardiosis* sp. DS14-1 isolated from the deep sea sediment. *Natural Products: An Indian Journal*, **8**, 50–52.
- 延原尊美・小山真人, 駿河トラフ軸部の石花海ゴージ伊豆側斜面から採集された貝化石：「しんかい2000」第579潜航の追補報告. 静岡大学地球科学研究報告, **39**, 1–6.
- 延原尊美・北村孔志, [資料] 静岡県掛川市下俣の掛川層群最上部より産する前期更新世の軟体動物化石. 東海自然誌 (静岡県自然史研究報告) **5**, 45–50.
- Noshita K., Asami T. & Ubukata T., Constraint of morphological variation in gastropod snails. *Paleobiology*, **38**, 322–334.
- 大久保修平・島田誠一・福田洋一・青山雄一・西村卓也・橋本 学・鷺谷 威・市川隆一・日置幸介・田中愛幸・里村幹夫, 第25回国際測地学・地球物理学連合総会及び第25回国際測地学協会総会報告. 測地学会誌, **58**, 43–54.
- Ohara Y., Reagan M., Fujikura K., Watanabe H., Michibayashi K., Ishii T., Stern R. J., Pujana I., Martinez F., Girard G., Ribeiro J., Brounce M., Komori N. & Kino M., A serpentine-hosted ecosystem in the Southern Mariana Forearc. *Proceeding of the National Academy of Science*, **109**, 2831–2835.
- Shiino Y., Kuwazuru O., Suzuki Y. & Ono S., Swimming capability of the remopleuridid trilobite *Hypodicranotus striatus*: hydrodynamic functions of the exoskeleton and the long, forked hypostome. *Journal of Theoretical Biology*, **300**, 29–38.
- 椎野勇太・鈴木雄太郎, 第5回国際三葉虫学会 TRILO2012参加報告. 化石, **92**, 47–49.
- 宗林留美・今西國松・鈴木 款, オホーツク海における溶存有機炭素の分布と輸送. 月刊海洋, **44**, 478–485.
- 宗林留美・松田 純・芳賀直哉, 静岡大学公開講座ブックレット5〈いのち〉と環境を考える. 静岡大学生涯学習教育研究センター, 静岡市, 72pp.
- Tadokoro K., Ikuta R., Watanabe T., Ando M., Okuda T., Nagai S., Yasuda K. & Sakata T., Interseismic seafloor crustal

- deformation immediately above the source region of anticipated megathrust earthquake along the Nankai Trough, Japan. *Geophysical Research Letters*, **39**, L10306, doi:10.1029/2012GL051696
- 塚越 哲, 自然観察実習地わきの湿地に生きるオストラコーダ. 静岡大学キャンパスミュージアムニュースレター, **13**, 7.
- 生形貴男, 化石表面形状の3次元形態測定学: イノセラムスの殻形態を例として. 化石, **91**, 1-2.
- 生形貴男, 古生物異質性変動の復元に向けて: 地球生命史研究の新展開. 月刊海洋, **44**, 287-292.
- 生形貴男, 理論形態学. 東大古生物学: 化石から見る生命史 (佐々木猛智・伊藤泰弘編), 東海大学出版会, 神奈川, 210-216.
- 生形貴男, イノセラムス. 東大古生物学: 化石から見る生命史 (佐々木猛智・伊藤泰弘編), 東海大学出版会, 神奈川, 262-270.
- 渡部 豪・田所敬一・生田領野・杉本信吾・奥田 隆・永井 悟・江藤周平・久野正博, 衛星軌道暦の違いに基づくキネマティックGPS解析の精度評価. 測地学会誌, **58**, 61-76.
- Yamamoto J., Nishimura K., Ishibashi H., Kagi H., Arai S. & Prikho'ko V. S., Thermal structure beneath Far Eastern Russia inferred from geothermobarometric analyses of mantle xenoliths: a direct evidence for high geothermal gradient in backarc lithosphere. *Tectonophysics*, **554-557**, 74-82.
- 山本順司・石橋秀巳, マントルウェッジ炭素の起源を考える. 地球化学, **46**, 243-255.
- Yuyama I., Suzuki Y. & Watanabe T., Identification of differentially expressed genes during early growth of *Acropora tenuis*. *Proceedings of the 12th International Coral Reef Symposium*, 6A-3.
- Yuyama I., Ito Y., Watanabe T., Hidaka M., Suzuki Y. & Nishida M., Differential gene expression in juvenile polyps of the coral *Acropora tenuis* exposed to thermal and chemical stresses. *Journal of Experimental Marine Biology and Ecology*, **430-431**, 17-24.

2013

- Aerden D. A. M., Johnson K. & Michibayashi K., Preface to "Deformation, porphyroblasts and mountain building: A special issue in honour of the career contributions of T. H. Bell". *Tectonophysics*, **587**, 1-3.
- Agostini S., Fujimura H., Higuchi T., Yuyama I., Casareto B. E., Suzuki Y. & Nakano Y., The effects of thermal and high-CO₂ stresses on the metabolism and surrounding microenvironment of the coral *Galaxea fascicularis*. *Comptes Rendus Biologies*, **336**, 384-391.
- Agostini S., Fujimura H., Fujita K., Suzuki Y. & Nakano Y., Respiratory electron transport system activity in symbiotic corals and its link to calcification. *Aquatic Biology*, **18**, 125-139.
- Chumun P. K., Casareto B. E., Higuchi T., Irikawa A., Bhagooli R., Ishikawa Y. & Suzuki Y., High nitrate levels exacerbate thermal photo-physiological stress of zooxanthellae in the reef-building coral *Pocillopora damicornis*. *Eco Engineering*, **25**, 75-83.
- Fujiwara Y., Okutani T. & Kimura H., First occurrence of Alviniconcha from Japanese waters (Gastropoda: Provannidae). *Venus*, **71**, 217-219.
- Fukuda K., Hiyagon H., Sasaki S., Fujiya W., Takahata N., Sano Y. & Morishita Y., An ion microprobe study of FUN-like hibonite-bearing inclusions from the murchison (CM2) meteorite. 44th LPSC, 1870.
- 古畑圭介・道林克禎・山下浩之, オマーンオフィオライトモホ遷移帯に発達した延性剪断帯におけるマフィック岩の全岩化学組成. 静岡大学地球科学研究報告, **40**, 13-19.
- Harigane Y., Michibayashi K., Morishita T., Tani K., Dick H. & Ishizuka O., The earliest mantle fabrics formed during subduction zone infancy. *Earth and Planetary Science Letters*, **377-378**, 106-113.
- Heki K. & Mitsui Y., Accelerated Pacific Plate subduction following interplate thrust earthquakes at the Japan Trench. *Earth and Planetary Science Letters*, **363**, 44-49.
- Higuchi T., Agostini S., Casareto B. E., Yoshinaga K., Suzuki T., Nakanao Y., Fujimura H. & Suzuki Y., Bacteria enhancement of bleaching and physiological impacts on the coral *Montipora digitate*. *Journal of Experimental Marine Biology and Ecology*, **440**, 54-60.
- Hirauchi K., den Hartog S. A. M. & Spiers C. J., Weakening of the slab-mantle wedge interface induced by metasomatic growth of talc. *Geology*, **41**, 75-78.
- Hirauchi K. & Katayama I., Rheological contrast between serpentine species and implications for slab-mantle wedge

- decoupling. *Tectonophysics*, **608**, 545–551.
- 石橋秀巳, スピネル-ルースメルト酸素フュガシテティ計: 手法および北西九州東松浦地域の新生代アルカリ玄武岩への適用. 静岡大学地球科学研究報告, **40**, 21–32.
- 伊東市史編集委員会・伊東市教育委員会編, 伊東の自然と災害 —伊東市史 別編. 伊東市, 436p. (分担執筆: 小山真人)
- 巖佐 庸・倉谷 滋・斎藤成也・塚谷裕一編, 岩波 生物学辞典 第5版. 岩波書店, 東京, 2192p. (分担執筆: 加藤憲二・塚越哲・生形貴男)
- Ji S., Michibayashi K., Shao T., Zhao W., Kondo Y. & Wang H., Seismic velocities, anisotropy and petrofabrics of amphibolite from the Gaoligong Mts., Yunnan. *Geological Review*, **59**, 769–780. (in Chinese with English abstract and figure captions)
- Ji S., Shao T., Michibayashi K., Long C., Wang Q., Kondo Y., Zhao W. & Salisbury M. H., A new calibration of seismic velocities, anisotropy, fabrics and elastic moduli of amphibolite-rich rocks. *Journal of Geophysical Research*, **118**, 1–30.
- Kagi H., Otake S., Ishibashi H., Shozugawa K., Matsuo M., Satake W. & Mikouchi T., Oxygen fugacity and valence state of chromium in ferropericlae: Can Cr²⁺ be a redox indicator for the deep mantle? *Journal of Mineralogical and Petrological Sciences*, **108**, 172–177.
- Kasahara J., Ito S., Fujiwara T., Hasada Y., Tsuruga K., Ikuta R., Fujii N., Yamaoka K., Ito K. & Nishigami K., Real time imaging of CO₂ storage zone by very accurate-stable-long term seismic source. *Energy Procedia*, **37**, 4085–4092.
- Katayama I., Iwata M., Okazaki K. & Hirauchi K., Slow earthquakes associated with fault healing on a serpentized plate interface. *Scientific Reports*, **3**, 1784.
- Katsuyama C., Nashimoto H., Nagaosa K., Ishibashi T., Kinoshita R., Yoshikawa H., Aoki K., Asano T., Sasaki T., Sohrin R., Komatsu D., Tsunogai U., Kimura H., Suwa Y. & Kato K., Occurrence and potential activity of denitrifiers and methanogens in groundwater at 140 m depth in Pliocene diatomaceous mudstone of northern Japan. *FEMS Microbiology Ecology*, **86**, 532–543.
- Kelemen P., Al Rajhi A., Godard M., Ildefonse B., Köpke J., MacLeod C., Manning C., Michibayashi K., Nasir S., Shock E., Takazawa E. & Teagle D., Workshop Reports: Scientific drilling and related research in the Samail Ophiolite, Sultanate of Oman. *Scientific Drilling*, **15**, 64–71.
- Kim D., Katayama I., Michibayashi K. & Tsujimori T., Rheological contrast between glaucophane and lawsonite in naturally deformed blueschist from Diablo Range, California. *Island Arc*, **22**, 63–73.
- Kim D., Katayama I., Michibayashi K. & Tsujimori T., Deformation fabrics of natural blueschists and implications for seismic anisotropy in subducting oceanic crust. *Physics of Earth and Planetary Interior*, **222**, 8–21.
- Kimura H., Mori K., Yamanaka T. & Ishibashi J., Growth temperatures of archaeal communities can be estimated from the guanine-plus-cytosine contents of 16S rRNA gene fragments. *Environmental Microbiology Reports*, **5**, 468–474.
- 木村浩之, 南西日本の地下圏微生物を利用した付加体エネルギー生産システム. *クリーンエネルギー*, **22**, 27–32.
- 木村浩之, 付加体の深部地下圏に生息する微生物群集を利用した自立分散型エネルギー生産システム. *ケミカルエンジニアリング*, **58**, 8–13.
- 木村浩之, 付加帯の地下圏微生物を使ったエネルギー生産システム. *太陽エネルギー*, **39**, 15–20.
- 木村浩之, 付加帯エネルギー生産システム ~地下圏微生物を利用した新たな創エネ技術~. *配管技術*, **55**, 31–36.
- Kitamura A., Fujiwara O., Shinohara K., Akaike S., Masuda T., Ogura K., Urano Y., Kobayashi K., Tamaki C. & Mori H., Identifying possible tsunami deposits on the Shizuoka Plain, Japan and their correlation with earthquake activity over the past 4000 years. *The Holocene*, **23**, 1682–1696.
- Kitamura A., Kobayashi K., Tamaki C., Yamamoto N., Irino T., Miyairi Y. & Yokoyama Y., Evidence of recent warming in the Okinawa region, subtropical northwestern Pacific, from an oxygen isotope record of a cave-dwelling marine microbivalve. *Paleontological Research*, **17**, 58–68.
- 北村晃寿・坂坂孝司・小倉一輝・大橋陽子・齊藤亜妃・内田絢也・奈良正和, 静岡県南伊豆の海岸低地における津波堆積物の調査 (速報). 静岡大学地球科学研究報告, **40**, 1–12.
- Kodani S., Sato K., Higuchi T., Casareto B. E. & Suzuki Y., Montiporic acid D, New polyacetylene carboxylic acid from scleractinian coral *Montipora digitata*. *Natural Product Research*, doi:10.1080/14786419.2013.768992
- 小山真人, ジオパークが変える地域の教育. *楷樹*, **53**, 9–10.
- 小山真人, 火山がつくった中伊豆の風景 —伊豆半島のジオマップ4—. 静岡新聞社, 静岡.
- 小山真人, 東日本大震災を起こした地震と東海地域への影響—大地動乱の時代をどう生きるか—. *成形加工*, **25**,

- 204–205.
- 小山真人, 富士山 一大自然への道案内. 岩波新書, 岩波書店, 東京, 222p.
- 小山真人, 富士山には世界自然遺産の価値がないのか. 科学, **83**, 1.
- 小山真人, 附小・附中で受けた授業の思い出. 楷樹, **54**, 1.
- Michibayashi K. & Oohara T., Olivine fabric evolution in a hydrated ductile shear zone at the Moho Transition Zone, Oman Ophiolite. *Earth and Planetary Science Letters*, **377–378**, 299–310.
- Michibayashi K., Suzuki M. & Komori N., Progressive deformation partitioning during the deformation and recrystallization of olivine in the lithospheric mantle. *Tectonophysics*, **587**, 79–88.
- Mitsui Y. & Heki K., Scaling of early afterslip velocity and possible detection of tsunami-induced subsidence by GPS measurements immediately after the 2011 Tohoku-Oki earthquake. *Geophysical Journal International*, **195**, 238–248.
- Mitsui Y. & Yagi Y., An interpretation of tsunami earthquake based on a simple dynamic model: Failure of shallow megathrust earthquake. *Geophysical Research Letters*, **40**, 1523–1527.
- 森下祐一, 白金族金属の供給と利用, 資源地質, **63**, 21–30.
- 森下祐一・Hammond N. Q., 南アフリカ共和国の白金族鉱山, 資源地質, **63**, IV.
- Sato K., Carareto B. E., Suzuki Y. & Kodani S., Antibacterial activity of scleractinian corals in Okinawa, Japan. *Galaxea, Journal of Coral Reef Studies*, **15**, 19–26.
- 里村幹夫編, 地震防災増補改訂版. 学術図書出版, 181p. (分担執筆: 里村幹夫)
- Satsukawa T., Ildefonse B., Mainprice D., Morales L. F. G., Michibayashi K. & Barou F., A database of plagioclase crystal preferred orientations (CPO) and microstructures - implications for CPO origin, strength, symmetry and seismic anisotropy. *Solid Earth*, **4**, 511–542.
- 柴 正博・廣瀬祐市・延原尊美・高木克将・安田美輪・富士幸祐・中村光宏, 富士川谷新第三系, いわゆる静岡層群の層序と軟体動物化石群集. 地球科学, **67**, 1–19.
- 鈴木雄太郎, 太古の生物の生体復元: 三葉虫の例. 化石, **94**, 1–2.
- Tanaka H. & Tsukagoshi A., The taxonomic utility of the male upper lip morphology in the ostracod genus *Parapolycope* (Crustacea), with descriptions of two species. *Journal of Natural History*, **47**, 963–986.
- Tanaka H. & Tsukagoshi A., Description and scanning electron microscopic observation of a new species of the genus *Polycope* (Crustacea, Ostracoda, Cladocypina) from an interstitial habitat in Japan. *Zookeys*, **294**, 75–91.
- Togashi S., Kita N. T., Tomiya A. & Morishita Y., Estimation of the composition of host magmas from plagioclase in lunar highland rocks in analogy with the terrestrial adcumulates. 44th LPSC, 2280.
- 塚越 哲, 私の調査研究: 砂の隙間に生きる微小動物. 自然史しずおか, **43**, 11–12.
- Tubay J. M., Ito H., Uehara T., Kakishima S., Morita S., Togashi T., Tainaka K., Niraula M. P., Casareto B. E., Suzuki Y. & Yoshimura J., The paradox of enrichment in phytoplankton by induced competitive interactions. *Scientific Reports*, **3**, 2835. doi: 10.1038/srep02835
- Vetere F. P., Sato H., Ishibashi H., De Rosa R. & Donato P., Viscosity changes during crystallization of shoshonitic magmas: new insights on the lava flows emplacement. *Journal of Mineralogical and Petrological Sciences*, **108**, 144–160.

2014

- Meekaew A., Casareto B. E., Higuchi T., Chumun P. K. & Suzuki Y., Dissolved organic carbon cycling and the roles of the microbial community in the coexistence of corals and seagrasses in Bise, Okinawa, Japan. *Eco-Engineering*, **26**, 81–88.
- Chiba T. & Sato S., Invasion of a naticid predator and associated changes in death assemblages of bivalve prey on the Tona coast, Miyagi Prefecture, northern Japan: implications for paleoecological studies. *Lethaia*, **47**, 4–14.
- Chiba T., Shirai M. & Sato S., Recognizing cryptic environmental changes by using paleoecology and taphonomy of Pleistocene bivalve assemblages in the Oga Peninsula, northern Japan. *Quaternary Research*, **81**, 21–34.
- 藤原 治・谷川晃一郎・佐藤慎一, 津波による貝殻集積層の形成—2011年東北地方太平洋沖地震津波の例を中心に—. 月刊地球, **36**, 36–41.
- Fukuda K., Hiyagon H., Sasaki S., Fujiya W., Mikouchi T., Takahata N., Sano Y. & Morishita Y., Discovery of new hibonite-bearing FUN inclusions from the Murchison (CM2) meteorite. *National Institute Polar Research, Extended Abstract*.
- Goto R., Ishikawa H., Hamamura Y., Sato S. & Kato M., Evolution of symbiosis with *Lingula* (Brachiopoda) in the bivalve

- superfamily Galeommatoidea (Heterodonta), with description of a new species of *Koreamya*. *Journal of Molluscan Studies*, **80**, 148–160.
- Hiyagon H., Sugiura N., Kita N.T., Kimura M., Morishita Y. & Takehana Y., Eclogitic clasts found in NWA 801 CR2 chondrite: Formation of high pressure minerals in deep interior of a Moon-sized planetesimal. *National Institute Polar Research, Extended Abstract*.
- Ikeda M. & Hori S., Effects of Karoo-Ferrar volcanism and astronomical cycles on the Toarcian oceanic anoxic events (Early Jurassic). *Paleo-3*, **410**, 134–142.
- Ikeda M. & Tada R., A 70 million year astronomical time scale of the deep-sea sequence (Inuyama, Japan): Implication for Triassic-Jurassic geochronology. *Earth and Planetary Science Letters*, **399**, 30–43.
- 池田昌之, ミランコビッチサイクルを用いた天文学的年代調整: サイクル層序の進展. 月刊地球/号外, 第四紀研究における年代測定法の新展開: 10年間の進展, 51–58.
- 石橋秀巳, 斜方輝石中のCa含有量に基づく地質温度計の信頼性について. 静岡大学地球科学研究報告, **41**, 15–22.
- 伊藤英之・小山真人・村越 真・吉川肇子, 誤報(いわゆる「オオカミ少年効果」)を考慮した災害情報の最適化に関する研究. 平成26年度砂防地すべり技術研究成果報告会講演論文集, 95–111.
- 逸見泰久・伊谷 行・岩崎敬二・西川輝昭・佐藤正典・佐藤慎一・他18名, 日本の干潟における絶滅の危機にある動物ベントスの現状と課題. 日本ベントス学会誌, **69**, 1–17.
- Ji S., Shao T., Salisbury M. H., Sun S., Michibayashi K., Zhao W., Long C., Liang F. & Satsukawa T., Plagioclase preferred orientation and induced seismic anisotropy in mafic igneous rocks. *Journal of Geophysical Research*, **119**, 8064–8088.
- Kameda J., Kouketsu Y., Shimizu M., Yamaguchi A., Hamada Y., Hamahashi M., Koge H., Fukuchi R., Ikeda M., Kogure T. & Kimura G., The influence of organic-rich shear zones on pelagic sediment deformation and seismogenesis in a subduction zone. *Journal of Mineralogical and Petrological Sciences*, **109**, 228–238.
- Kaneko M., Takano Y., Chikaraishi Y., Asakawa S., Watanabe T., Shima S., Ogawa O. N., Krüger M., Matsushita M., Kimura H. & Ohkouchi N., Quantitative analysis of coenzyme F430 in environmental samples: a new diagnostic tool for methanogenesis and anaerobic methane oxidation. *Analytical Chemistry*, **86**, 3633–3638.
- 木村浩之・松下 慎・梅藤恭平・今井里弥・津島一平・大谷実来・佐藤 悠, 陸上掘削による地域資源革命 ~付加体の地下圏微生物を利用したメタン・水素ガス生産~. 月刊地球, **36**, 101–108.
- Kitamura A. & Kobayashi K., Geologic evidence for prehistoric tsunamis and coseismic uplift during the AD 1854 Ansei-Tokai earthquake in Holocene sediments on the Shimizu Plain, central Japan. *The Holocene*, **24**, 814–827.
- Kitamura A., Koyama M., Itasaka K., Miyairi Y. & Mori H., Abrupt Late Holocene uplifts of the southern Izu Peninsula, central Japan: Evidence from emerged marine sessile assemblages. *Island Arc*, **23**, 51–61.
- Kitamura A., Tamaki C., Miyairi Y., Yokoyama Y. & Mori H., Possible cavern-forming activity at millennial time scales and its impact on variations in submarine cave environments and habitat availability, Okinawa, Japan. *Journal of Cave and Karst Studies*, **76**, 164–172.
- 北村晃寿, 日本海の後期新第三紀・前期第四紀の海洋生態層序月刊, 月刊地球号外, **63**, 59–66.
- 北村晃寿・小林小夏, 静岡平野・伊豆半島南部の中・後期完新世の古津波と古地震の地質学的記録. 地学雑誌, **123**, 813–834.
- 北村晃寿・大橋陽子・宮入陽介・横山祐典・山口寿之, 静岡県下田市海岸から発見された津波石. 第四紀研究, **53**, 259–264.
- 小山真人, 300年の沈黙を破る富士山大噴火の脅威. 中央公論, **1573** (2014年12月号), 154–157.
- 小山真人, 火山がつくった奥伊豆の風景 —伊豆半島のジオマップ5—. 静岡新聞社, 静岡市.
- 小山真人, 低頻度巨大災害のリスクを定量評価する —合理的な「想定外」対策へ向けて—. 科学, **84**, 191–194.
- 小山真人, 富士山での突発的噴火の可能性と登山者対策. 科学, **84**, 1236–1242.
- 小山真人, 富士山には世界自然遺産の価値がないのか. 地質と調査, **140**, 1–10.
- 小山真人, 富士山をよむ. 科学, **84**, 46–47.
- 小山真人, 附属浜松小学校舎の耐震性能. 楷樹, **56**, 1.
- 小山真人・鈴木雄介, 伊豆大島の噴火史からみた2013年10月の火山泥流災害. 地理, **59**, 34–41.
- Le D. D. & Tsukagoshi A., Three new species of the genus *Loxoconcha* (Crustacea, Ostracoda, Podocopida) from the Okinawa Islands, southern Japan. *Zootaxa*, **3796**, 147–165.
- Michibayashi K., Harigane Y., Ohara Y., Muto J. & Okamoto A., Rheological properties of the detachment shear zone of an oceanic core complex inferred by plagioclase flow law: Godzilla Megamullion, Parece Vela back-arc basin, Philippine

- Sea. *Earth and Planetary Science Letters*, **408**, 16–23.
- 三井雄太・平原和朗, 断層ガウジ内の摩擦発熱・ダイラタンシー・間隙シーリングによる間隙流体圧変動を実装した1自由度バネブロックモデル—2つの空間スケール—. 静岡大学地球科学研究報告, **41**, 7–14.
- 三井雄太, 速度・状態依存摩擦則を用いた地震サイクル計算における dip angle および動的応力伝播の効果. 静岡大学地球科学研究報告, **41**, 1–6.
- Mori K., Yamazoe A., Hosoyama A., Ohji S., Fujita N., Ishibashi J., Kimura H. & Suzuki K., *Thermotoga profunda* sp. nov., and *Thermotoga caldifontis* sp. nov., anaerobic thermophilic bacteria isolated from terrestrial hot springs. *International Journal of Systematic and Evolutionary Microbiology*, **64**, 2128–2136.
- Nagaya T., Wallis S. R., Kobayashi H., Michibayashi K., Mizukami T., Seto Y., Miyake A. & Matsumoto M., Dehydration breakdown of antigorite and the formation of B-type olivine CPO. *Earth and Planetary Science Letters*, **387**, 67–76.
- Nagaya T., Wallis S. R., Kobayashi H., Michibayashi K., Mizukami T., Seto Y., Miyake A. & Matsumoto M. Reply to comment by Nozaka (2014) on “Dehydration breakdown of antigorite and the formation of B-type olivine CPO”. *Earth and Planetary Science Letters*, **408**, 406–407.
- 日本微生物生態学会編, 環境と微生物の事典. 朝倉書店, 東京, 448p. (分担執筆: 木村浩之)
- Notsu K., Sohrin R., Wada H., Tsuboi T., Sumino H., Mori T., Tsunogai U., Hernandez P. A., Suzuki Y., Ikuta R., Oorui K., Koyama M., Masuda T. & Fujii N., Leakage of magmatic-hydrothermal volatiles from a crater bottom formed by a submarine eruption in 1989 at Teishi Knoll, Japan. *Journal of Volcanology and Geothermal Research*, **270**, 90–98.
- 尾内隆之・小山真人・平川秀幸・山岡耕春, “安全宣言” 事例から考える科学者の役割 (前編). 科学, **84**, 177–184.
- Satsukawa T. & Michibayashi K., Flow in the uppermost mantle during back-arc spreading revealed by Ichinomegata peridotite xenoliths, NE Japan. *Lithos*, **189**, 89–104.
- Segawa T., Sugiyama A., Kinoshita T., Sohrin R., Nakano T., Nagaosa K., Greenidge D. & Kato K., Microbes in groundwater of a volcanic mountain, Mt. Fuji; 16S rDNA phylogenetic analysis as a possible indicator for the transport routes of groundwater. *Geomicrobiology Journal*, **32**, 677–688.
- Seike K., Shiino Y. & Suzuki Y., *Crininicaminus giberti*: tubular trace fossil armored with crinoid stem plates from the Upper Permian Kamiyasse Formation, northeastern Japan. *Spanish Journal of Palaeontology*, **29**, 45–50.
- Shao T., Ji S., Kondo Y., Michibayashi K., Wang Q., Xu Z., Marcotte D. & Salisbury M. H., Antigorite-induced seismic anisotropy and implications for deformation in subduction zones and the Tibetan Plateau. *Journal of Geophysical Research*, **119**, 2068–2099.
- 柴 正博・延原尊美・川田 健・宮澤市郎, 山梨県南巨摩郡身延町に分布する最上部中新統飯富層遅沢砂岩部層の軟体動物化石—逗子動物群の再検討—. 海・人・自然 (東海大学博物館研究報告), **12**, 7–20.
- Shiino Y., Kuwazuru O., Suzuki Y., Ono S. & Masuda C., Pelagic or benthic? Mode of life of the remopleurid trilobite *Hypodicranotus striatulus*. *Bulletin of Geosciences*, **89**, 207–218.
- Shiino Y., Suzuki Y., Harper D. A. T., Mori H. & Bergström J., Late Ordovician *Holorhynchus* succession in the Siljan district, Sweden: facies, faunas and a latest Katian event. *GFF*, **137**, 25–35.
- 静岡大学イノベーション社会連携推進機構・中日新聞東海本社編, 世界文化遺産富士山を考える. 中日新聞東海本社, 浜松市, 114p. (分担執筆: 小山真人)
- Sohrin R., Imanishi K., Suzuki Y., Kuma K., Yasuda I., Suzuki K. & Nakatsuka T., Distributions of dissolved organic carbon and nitrogen in the western Okhotsk Sea and their effluxes to the North Pacific. *Progress in Oceanography*, **126**, 168–179.
- Suga H., Fan Q., Takeichi Y., Tanaka K., Kondo H., Kanivets V.V., Sakaguchi A., Kato K., Inam N., Mase K., Ono K. & Takahashi Y., Characterization of particulate matters in the Pripyat River in Chernobyl related to their adsorption of radiocesium with inhibition effect by natural organic matter. *Chemistry Letters*, **43**, 1128–1130.
- Sun H., He H., Yang S., Shirahama Y., Ikeda Y., Kano K. & Echigo T., A preliminary approach to the activity of Kumukol anticline. 地震地質, **36**. (in Chinese with English abstract)
- Suzuki Y. & Casareto B. E., バイオエアロゾルの環境における役割: プラスとマイナス, 低温生物工学会誌, **60**, 17–22.
- 竹村公太郎・加藤憲二・立田潤一郎, 水の大循環② 富士山の水循環の可視化—海底湧水を含めて. *Biostroy*, **22**, 14–17.
- Tanaka H. & Tsukagoshi A., The intra-specific variation of the male upper lip morphology of *Parapolycope watanabei* n. sp. (Crustacea: Ostracoda) and it implies the speciation process, *Zoological Science*, **31**, 758–765. doi:10.2108/zs140128

- Tanaka H., Tsukagoshi A. & Karanovic I., Molecular phylogeny of interstitial Polycopidae ostracods (Crustacea) and descriptions of a new genus and four new species. *Zoological Journal of Linnean Society*, **172**, 282–317.
- Tasaka M., Hiraga T. & Michibayashi K., Influence of mineral fraction on the rheological properties of forsterite + enstatite during grain size sensitive creep 3: Application of grain growth and flow laws on peridotite ultramylonite. *Journal of Geophysical Research*, **119**, 840–857.
- Wang Q., Shao T., Ji S., Michibayashi K., Kondo Y., Long C. & Sun S., Seismic velocities, anisotropy and elastic properties of Xiuyan Jade and its geological implications. *Geotectonics et Metallogenia*, **38**, 12–26. (in Chinese with English abstract and figure captions)
- Watanabe T., Shirasugi Y. & Michibayashi K., A new method for calculating seismic velocities in rocks containing strongly dimensionally anisotropic mineral grains and its application to natural antigorite-bearing serpentinites. *Earth and Planetary Science Letters*, **391**, 24–35.
- Yamaoka K., Miyamachi H., Watanabe T., Kunitomo T., Michishita T., Ikuta R. & Iguchi M., Active monitoring at an active volcano: amplitude-distance dependence of ACROSS at Sakurajima Volcano, Japan. *Earth, Planets and Space*, **66**, 32.
- Yasuda K., Tadokoro K., Ikuta R., Watanabe T., Nagai S., Okuda T., Fujii C. & Sayanagi K., Interplate locking condition derived from seafloor geodetic data at the northernmost part of the Suruga trough, Japan. *Geophysical Research Letters*, **41**, 16, doi:10.1002/2014GL060945
- 山下博由・李善愛編，干潟の自然と文化。東海大学出版会，秦野，253p。（分担執筆：佐藤慎一）

2015

- 東 幹夫・佐藤慎一，有明海の底生動物の長期定点調査から見えてきたこと。日本の科学者，**50**，65–69.
- Baito K., Imai S., Matsushita M., Otani M., Sato Y. & Kimura H., Biogas production using anaerobic groundwater containing a subterranean microbial community associated with the accretionary prism. *Microbial Biotechnology*, **8**, 837–845.
- Chiba T., Sato S. & Yamada T., Fossilized intestine casts located within closed bivalve shells: implications for palaeoecological and sedimentological studies. *Lethaia*, **48**, 341–352.
- Chiu Wing-tung R., Yasuhara M., Iwatani H., Kitamura A. & Fujita K., An enigmatic Holocene podocopid ostracod from a submarine cave, Okinawa, Japan: “living fossil” or adaptive morphotype? *Journal of Systematic Palaeontology*. doi:10.1080/14772019.2015.1094754
- Dao T. A. T., Tanaka T., Sohrin R., Do M. H., Nagaosa K. & Kato K., Effects of warming on microbial communities in coastal waters of temperate and subtropical zones in Northern Hemisphere with a focus on *Gammaproteobacteria*. *Journal Oceanography*, **71**, 91–103.
- 藤原 治・北村晃寿・佐藤善輝・青島 晃・小野映介・小林小夏・小倉一輝・谷川晃一郎，静岡県西部の太田川低地で見られる弥生時代中・後期の相対的海水準上昇。第四紀研究，**54**，11–20.
- Gallagher S., Kitamura A., Iryu Y., Itaki T., Koizumi I. & Hoiles P., The Pliocene to recent history of the Kuroshio and Tsushima currents: a multi-proxy approach. *Progress in Earth and Planetary Science*, **2**, 17. doi:10.1186/s40645-015-0045-6
- Hanagata S. & Nobuhara T., Illustrated guide to Pliocene foraminifera from Miyakojima, Ryukyu Island Arc, with comments on biostratigraphy. *Palaeontologica Electronica*, **18**, 1–140.
- 早川由紀夫・萩原佐知子・野村正弘・小山真人，読めて使える美しい火山地質図を安価で市場に出す。地図，**53**，57–65.
- Higuchi T., Agostini S., Casareto B. E., Suzuki Y. & Yuyama I., The northern limit of corals of the genus *Acropora* in temperate zones is determined by their resilience to cold bleaching, *Scientific Reports*, **5**, 18467. doi: 10.1038/srep18467.
- 平内健一・片山郁夫，蛇紋岩の力学的性質とそのテクトニックな意義。地学雑誌，**124**，371–396.
- Hirauchi K. & Muto J., Effect of stress state on slow rupture propagation in synthetic fault gouges. *Earth, Planets and Space*, **67**, 25.
- Hiyagon H., Sugiura N., Kita N. T., Kimura M., Morishita Y. & Takehana Y., Origin of the eclogitic clasts with graphite-bearing and graphite-free lithologies in the Northwest Africa 801 (CR2) chondrite: Possible origin from a Moon-sized planetary body inferred from chemistry, oxygen isotopes and REE abundances. *Geochimica et Cosmochimica Acta*, in press.

- Hyodo M., Kato S., Kitamura A., Takasaki K., Matsushita H., Kitaba I., Tanaka I., Nara M., Matsuzaki T., Dettman D. L. & Okada M., High resolution stratigraphy across the early-middle Pleistocene boundary from a core of the Kokumoto Formation at Tabuchi, Chiba Prefecture, southeast Japan. *Quaternary International*, **397**, 16–26.
- Ikeda M., Hori S. R., Okada Y. & Nakada R., Volcanism and deep-sea acidification across the end-Triassic extinction event. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **440**, 725–733.
- Ikuta R., Mitsui Y., Kurokawa Y. & Ando M., Evaluation of strain accumulation in global subduction zones from seismicity data. *Earth, Planets and Space*, **67**, 192.
- Ishiwa T., Yokoyama Y., Miyairi Y., Obrochta S., Sasaki T., Kitamura A., Suzuki A., Ikehara M., Ikehara K., Kimoto K., Bourgeth J. & Matsuzaki H., Reappraisal of sea-level lowstand during the last glacial maximum observed in Bonaparte Gulf sediments. *Quaternary International*, **397**, 373–379.
- 井浦 一・森 康・石橋秀巳, 福岡県津屋崎古墳群に用いられた玄武岩石材の供給地. 九州考古学, **90**, 41–60.
- Ji S., Shao T., Michibayashi K., Oya S., Satsukawa T., Wang Q., Zhao W. & Salisbury M. H., Magnitude and symmetry of seismic anisotropy in mica- and amphibole-bearing metamorphic rocks and implications for tectonic interpretation of seismic data from the southeast Tibetan Plateau. *Journal of Geophysical Research*, **120**, doi:10.1002/2015JB012209
- 狩野謙一・伊藤圭太, 南アルプス南部, 大井川上流部のジオサイト・ジオツアーガイド. 静岡大学地球科学研究報告, **42**, 85–107.
- Kato K., Okumura T., Segawa T., Unno T., Greenidge D., Nishioka T., Mori K., Tosaka H. & Nagaosa K., Unveiled groundwater flushing from the deep seafloor in Suruga Bay. *Limnology*, **16**, 79–83.
- 加藤憲二・永翁一代, 水循環における微生物DNAインディケーター. River Font, **81**, 6–10.
- Kim D., Katayama I., Wallis S., Michibayashi K., Miyake A., Seto Y. & Azuma S., Deformation microstructures of glaucophane and lawsonite in experimentally deformed blueschists: Implications for intermediate-depth intraplate earthquakes. *Journal of Geophysical Research*, **120**, 1229–1242.
- 木村浩之, 付加体のメタンと地下圏微生物を利用した分散型発電システム. *Electronics Communications*, **31**, 2–8.
- Kitamura A., Constraints on eustatic sea-level changes during the Mid-Pleistocene Climate Transition: evidence from the Japanese shallow-marine sediment record. *Quaternary International*, **397**, 417–421.
- Kitamura A., Mitsui Y. & Kim H. Y., Examination of an active submarine fault off the southeast Izu Peninsular, central Japan, using field evidence for co-seismic uplift and a characteristic earthquake model. *Earth, Planets and Space*, **67**, 197. doi 10.1186/s40623-015-0367-z
- Kitamura A., Ohashi Y., Ishibashi H., Miyairi Y., Yokoyama Y., Ikuta R., Ito Y., Ikeda M. & Shimano T., Holocene geohazard events on the southern Izu Peninsula, central Japan. *Quaternary International*, **397**, 541–554.
- 北村晃寿・川手繁人, 静岡県南伊豆・吉佐美の海岸低地における津波堆積物の有無の調査. 静岡大学地球科学研究報告, **42**, 15–23.
- 北村晃寿・鈴木孝和・小林小夏, 静岡県焼津平野における津波堆積物の調査. 静岡大学地球科学研究報告, **42**, 1–14.
- Kolansinski R. D., Shimada M., Oya Y., Buchenauer D. A., Chikada T., Cowgill D. F., Donovan D. C., Friddle R. W., Michibayashi K. & Sato M., A multi-technique analysis of deuterium trapping and near-surface precipitate growth in plasma-exposed tungsten. *Journal of Applied Physics*, **118**, 073301.
- Koyama M., *Geohistory of the Izu Peninsula*. The Shizuoka Shinbun, Shizuoka, 199p.
- 小山真人, 火山がつくった伊東の風景 (第2版) —伊豆半島のジオマップ1—. 静岡新聞社. 静岡.
- 小山真人, 原子力発電所の「新規制基準」とその適合性審査における火山影響評価の問題点. 科学, **85**, 182–193.
- 小山真人, 富士山南東山麓の噴火痕跡. 地図中心, **516**, 12–13.
- 小山真人・村越 真, 箱根山の火山活動シナリオ試案とそこに付された噴火確率に対する危険度認知. 火山噴火予知連絡会報, 121 (印刷中)
- 小山真人・藤井敏嗣・匿名2名, 火山学者緊急アンケート—川内原発差止仮処分決定の記載に関連して. 科学, **85**, 574–580.
- Maeda Y., Yamaoka K., Miyamachi H., Watanabe T., Kunitomo T., Ikuta R., Yakiwara H. & Iguchi M., A subsurface structure change associated with the eruptive activity at Sakurajima Volcano, Japan, inferred from an accurately controlled source. *Geophysical Research Letters*, **42**, 5179–5186.
- 道林克禎, 最上部マントルかんらん岩の結晶方位ファブリックとP波速度構造. 地学雑誌, **124**, 397–409.
- Mitsui Y. & Heki K., Report on a characteristic oscillation about 38 mHz (26 s) in Northeastern Japan following surface wave of the 2011 Tohoku megathrust earthquake. *Geophysical Journal International*, **202**, 419–423.

- Mitsui Y., Interval modulation of recurrent slow slip events by two types of earthquake loading. *Earth, Planets and Space*, **67**, 56.
- 宮坂 晃・狩野謙一, 北部フォッサマグナ南東部, 小諸陥没盆地の鮮新世～中期更新世のテクトニクス. 静岡大学地球科学研究報告, **42**, 63–83.
- Miyata W., Suzuki T., Casareto B. E., Suzuki Y. & Shioi Y., A survey of photosynthetic pigments from surface to oligotrophic deep seawater in Suruga Bay, Japan. *Procedia Chemistry*, **14**, 444–454.
- Morishita Y. & Usui A., Microanalysis of platinum in hydrogenetic ferromanganese crust using SIMS. *Geochemical Journal*, **49**, e21–e26.
- 大熊盛也・野田悟子監修, 難培養微生物研究の最新技術III—微生物の生き様に迫り課題解決へ—, シーエムシー出版, 東京, 261p. (分担執筆: 木村浩之)
- 大政謙次・竹内俊郎・木部勢至朗・北宅善昭・船田 良監修, 生態工学会出版企画委員会編, 閉鎖生態系・生態工学ハンドブック, アドスリー, 東京, 448p. (分担執筆: 鈴木款)
- 岡田有希・堀 利栄・池田昌之・池原 実, パンサラッサ海深海堆積物における三畳系—ジュラ系境界層の地球化学的検討. 大阪微化石研究会誌特別号, **15**, 219–232.
- Ramphul C., Casareto B. E., Suzuki T., Yoshinaga K., Yeemin T. & Suzuki Y., Abundance of virus-like particles and its links to phytoplankton, bacteria and nutrients cycling in coastal coral ecosystem. *Eco-Engineering*, **27**, 81–90.
- Reagan M. K., Pearce J. A., Petronotis K., Almeev R., Avery A. A., Carvallo C., Chapman T., Christeson G. L., Ferré E. C., Godard M., Heaton D. E., Kirchenbaur M., Kurz W., Kutterolf S., Li H. Y., Li Y., Michibayashi K., Morgan S., Nelson W. R., Prytulak J., Python M., Robertson A. H. F., Ryan J. G., Sager W. W., Sakuyama T., Shervais J. W., Shimizu K. & Whattam S. A., Expedition 352 summary. In: Reagan M. K., Pearce J. A., Petronotis K. & the Expedition 352 Scientists, Izu-Bonin-Mariana Fore Arc. Proceedings of the International Ocean Discovery Program, 352: College Station, TX (International Ocean Discovery Program).
- Sato S., Chiba T., Yamanaka T., Nemoto J., Shimamoto S. & Matsubara T., A catalogue of name-bearing type specimens of fossil Bivalvia (Mollusca) registered in the Tohoku University Museum. *Bulletin of the Tohoku University Museum*, **15**, 9–106.
- 佐藤博明・嶋野岳人・石橋秀巳, 噴火の終わり方. 火山, **60**, 257–263.
- Shiino Y. & Suzuki Y., A rectifying effect by internal structures for passive feeding flows in a concave-convex brachiopod. *Paleontological Research*, **19**, 283–287.
- Shirahama Y., Miyairi Y., He H., Fu B., Echigo T., Kano K., Yokoyama Y. & Ikeda Y., Climate-induced changes in sediment supply revealed by surface exposure dating of Sijiquan River terraces, northwestern Tibet. *Geomorphology*, **235**, 15–26.
- 曾田勝仁, 尾上哲治, 池田昌之, 九州東部津久見地域に分布する秩父帯中部三畳系層状チャートのサイクル層序学的検討. 地質学雑誌, **121**, 147–152.
- Sun H., He H., Ikeda Y., Kano K., Shi F., Echigo T. & Okada S., Holocene paleoearthquake history on the Qingchuan fault in the northeastern segment of the Longmenshan Thrust Zone and its implications, *Tectonophysics*, **660**, 92–106.
- Suzuki T., Casareto B. E., Shioi Y., Ishikawa Y. & Suzuki Y., Finding of $13^2, 17^3$ -cyclophorbide an enol as a degradation product of Chlorophyll in shrunk zooxanthellae of the coral *Montipora digitata*. *Journal of Phycology*, **51**, 37–45.
- 鈴木慎人・宗林留美, 培養実験のための微量金属ブランク海水の作成方法の検討. 静岡大学地球科学研究報告, **42**, 25–36.
- Takahashi Y., Hayasaka Y., Morita K., Kashiwabara T., Nakada R., Marcus M. A., Kato K., Tanaka K. & Shimizu H., Transfer of rare earth elements (REE) from manganese oxides to phosphates during early diagenesis in pelagic sediments inferred from REE patterns, X-ray absorption spectroscopy, and chemical leaching method. *Geochemical Journal*, **49**, 653–674.
- Tran M. H. & Tsukagoshi A., First records of interstitial leptocytherids (Crustacea, Ostracoda): two new species and a redescription of *Callistocythere ventricostata* Ruan & Hao, 1988 collected from the Okinawa Islands, southern Japan. *Zootaxa*, **4006**, 83–102.
- Tuyet D. T. A., Tanaka T., Sohrin R., Hao D. M., Nagaosa K. & Kato K., Effects of warming on microbial communities in the coastal waters of temperate and subtropical zones in the Northern Hemisphere, with a focus on Gammaproteobacteria. *Journal of Oceanography*, **71**, 91–103.
- 山田早記・石橋秀巳, 富士火山で過去2000年間に噴出したマグマの分化メカニズム: 熱力学的相平衡シミュレーター

- “PELE”を用いた検討. 静岡大学地球科学研究報告, **42**, 37–49.
- 山元綾弥香・佐藤慎一・東 幹夫, 諫早湾潮受け堤防外側周辺海域における短期開門調査以降の底生動物相の経年変化: 特に北部排水門外側定点で採集されたヒナノズキン (二枚貝綱: マルスダレガイ目: ウロコガイ上科) について. *Molluscan Diversity*, **4**, 29–37.
- Yamamoto H., Maruyama T., G.-Tóth L., Kato K., Furushima Y., Taira N., Maeda Y. & Shitashima K., In situ determination of bacterial growth in mixing zone of hydrothermal vent field on the Hatoma Knoll, Southern Okinawa Trough. *In: Ishibashi J., Okino K. & Sunamura M. (eds.) Subseafloor Biosphere Linked to Hydrothermal Systems*, Springer Japan, Tokyo, 437–447.
- 山本順司・高畑幸平・鳥本淳司・石橋秀巳, マントル捕獲岩の流体包有物から読みとれる情報. 地学雑誌, **124**, 429–443.
- Yucharoen M., Yeemin T., Casareto B. E., Suzuki Y., Samsuvan W., Sangmanee K., Klinthong W., Pongsakun S. & Sutthacheep M., Abundance, Composition and Growth Rate of Coral Recruits on Dead Corals following the 2010 Bleaching Event at Mu Ko Surin, the Andaman Sea. *Ocean Science Journal*, **50**, 1–9.