

References

Autor(en): **[s.n.]**

Objektyp: **ReferenceList**

Zeitschrift: **Eclogae Geologicae Helvetiae**

Band (Jahr): **77 (1984)**

Heft 3

PDF erstellt am: **17.04.2024**

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

Radiolarian data. – See Plate 12, more samples of whole section in preparation.

- *49. C 31, northern Evvoia, eastern Greece: 1.

Sample data. – Residue provided by J. Simantov, Geneva, described as interpillow sediment of the Pelagonian (s.l.) ophiolites of northern Evvoia.

Radiolarian data. – Own data: C31: U.A. 4–5, Zones A1–A2.

- *50. DB 6214, Al Aridh Formation, Jebel al Hasi, Hawasina Nappes, Central Oman: 1.

References. – BERNOULLI & WEISSERT [manuscript]. The sample comes from bedded lime-free radiolarites and shales in the type area of the Al Aridh Formation (GLENNIE et al. 1974). Coll. D. Bernoulli.

Radiolarian data. – Own data: DB 6214: U.A. 0, Zone A0.

- *51. DB 4575, near Achladi, northern Evvoia, eastern Greece: 1.

Reference. – BAUMGARTNER & BERNOULLI 1976.

Radiolarian data. – Own data: DB 4575: U.A. 7–8, Zone B (not early Neocomian as supposed in the reference).

Acknowledgments

This paper is the result of eight years of collaboration and exchange with numerous fellow radiolarian workers which is gratefully acknowledged. Years of joint field work with Daniel Bernoulli in Greece and the collaboration with Jerry Winterer aboard *Glomar Challenger* and in the field in Italy have encouraged my research and inspired the conception of the paleoceanographic interpretations in this paper. The biochronologic concept has profited from continuous exchange with Jean Guex and Eric Davaud who computed the Unitary Associations.

The elaboration of the Middle Jurassic–Early Cretaceous radiolarian database greatly profited from the contribution of raw samples and radiolarian residues and the opportunity to study preparations from a number of colleagues: M. Baltuck, D. Bernoulli, C.D. Blome, P. De Wever, P. Dumitrica, the late Helen Foreman, F. Gradstein, R. Kocher, J. Ogg, E.A. Pessagno, W.R. Riedel, A. Sanfilippo, J. Simantov, P.R. Tippit, E.L. Winterer and A. Yao.

I am very thankful to Claudia R. Mora Rojas who assisted in all stages of this work, especially in compiling the database and references and in working out the measurements of new species. The SEM-Laboratory at the University of Basel, directed by R. Guggenheim produced much of the SEM-illustrations, which is gratefully acknowledged.

I owe thanks to the Deep Sea Drilling Project inviting me to participate in shorebased analysis of the Leg 76 samples for radiolarian paleontology. Field work in Greece in the years 1973–80 was funded by the Swiss National Science Foundation, projects no.2.1620.74 and no.2.762-0.77. Field work in Italy in 1983 was financed by the US National Science Foundation, grant no. EAR82-18477.

Patrick De Wever and Akira Yao kindly reviewed the systematic part and Daniel Bernoulli critically read the geologic part of this paper. I greatly appreciate their helpful corrections and criticism.

REFERENCES

- ABBATE, E. (1969): Geologia delle Cinque Terre e dell'entroterra di Levante (Liguria orientale). – Mem. Soc. geol. ital. 8, 923–1014.
- ADACHI, M. (1982): Some considerations on the *Mirifusus baileyi* Assemblage in the Mino terrain, central Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 211–226.
- AGTERBERG, F.P., & NEL, L.D. (1982a): Algorithms for the ranking and scaling of stratigraphic events. – Computers Geosci. 8/1, 69–90.
- (1982b): Algorithms for the scaling of stratigraphic events. – Computers Geosci. 8/2, 163–189.
- AITA, Y. (1982): Jurassic radiolarian biostratigraphy in Irazuyama district, Kochi Prefecture, Japan – A preliminary report. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 255–270.
- ALIEV, K.S. (1965): Radiolarians of the Lower Cretaceous deposits of northeastern Azerbaidzhan and their stratigraphic significance. – Izdat. Akad. Azerbaidz. SSR, Baku, p. 3–124.
- AOKI, T. (1982): Upper Jurassic to Lower Cretaceous radiolarians from the Tsukimiyama and Tei Mélanges of the Northern Shimanto Belt in Kochi Prefecture, Shikoku. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 339–352.

- AOKI, T., & TASHIRO, M. (1982): Stratigraphic study of the Shanto Belt (Cretaceous Kamigumi Formation equivalent to the Doganaro Formation) near Kamigumi, Kagami-cho, Kagami-gun, Kochi Prefecture. – *Sci. Rep. Kochi Univ.* 31, 1–24.
- AVRAM, E. (1976): La succession des dépôts Tithoniques supérieurs et Crétacés inférieurs de la région de Svinita (Banat). – *Dări Seamă Ședint. Inst. Geol. Geofiz.* 62/4 (1974–5), 53–71.
- AZÉMA, J. (1977): Etude géologique des zones externes des Cordillères Bétiques aux confins des provinces d'Alicante et de Murcie (Espagne). – Thesis Univ. Paris VI, 1–395.
- BALTUCK, M. (1982): Provenance and distribution of Tethyan pelagic and hemipelagic siliceous sediments, Pindos Mountains, Greece. – *Sediment. Geol.* 31, 63–88.
- BARRETT, T.J. (1979): Origin of bedded cherts overlying ophiolitic rocks in the Italian North Apennines, and implication of the ophiolitic-pelagic sediment sequences for seafloor processes. – Unpublished Ph. D. Thesis. Oxford Univ., Oxford, England, p. 1–419.
- (1982): Stratigraphy and sedimentology of Jurassic bedded chert overlying ophiolites in the North Apennines, Italy. – *Sedimentology* 29, 353–373.
- BAUMGARTNER, P.O. (1980): Late Jurassic Hagiastriidae and Patulibracchiidae (Radiolaria) from the Argolis Peninsula (Peloponnesus, Greece). – *Micropaleontology* 26/3, 274–322.
- (1981): Jurassic sedimentary evolution and nappe emplacement in the Argolis Peninsula (Peloponnesus, Greece). – Unpubl. Doctoral Thesis, Basel Univ. Basel, Switzerland, p. 1–137.
- (1983): Summary of Middle Jurassic–Early Cretaceous radiolarian biostratigraphy of Site 534 (Blake-Bahama Basin) and correlation to Tethyan sections. – *Init. Rep. Deep Sea Drill. Proj.* 76, 569–571.
- (1984): Comparison of Unitary Associations and probabilistic ranking and scaling as applied to Mesozoic Radiolaria. – *Computers Geosci.* 10/1, 167–183.
- BAUMGARTNER, P.O., & BERNOULLI, D. (1976): Stratigraphy and radiolarian fauna in a Late Jurassic–Early Cretaceous section near Achladi (Evvoia, Eastern Greece). – *Eclogae geol. Helv.* 69/3, 601–626.
- BAUMGARTNER, P.O., BJØRKLUND, K.R., CAULET, J.-P., DE WEVER, P., KELLOGG, D., LABRACHERIE, M., NAKASEKO, K., NISHIMURA, A., SCHAAF, A., SCHMIDT-EFFING, R., & YAO, A. (1981): EURORAD II, 1980 – Second European meeting of radiolarian paleontologists: Current research on Cenozoic and Mesozoic radiolarians. – *Eclogae geol. Helv.* 74/3, 1027–1061.
- BAUMGARTNER, P.O., DE WEVER, P., & KOCHER, R. (1980): Correlation of Tethyan Late Jurassic–Early Cretaceous radiolarian events. – *Cah. Micropaléont.* 2, 23–72.
- BERNOULLI, D. (1964): Zur Geologie des Monte Generoso (Lombardische Alpen). – *Beitr. geol. Karte Schweiz [N.F.]* 118, 1–134.
- (1972): North Atlantic and Mediterranean Mesozoic facies: a comparison. – *Init. Rep. Deep Sea Drill. Proj.* 11, 801–871.
- BERNOULLI, D., & JENKYN, H.C. (1970): A Jurassic basin: The Glasenbach Gorge, Salzburg, Austria. – *Verh. geol. Bundesanst. (Wien)* 1970/4, 504–531.
- BERNOULLI, D., KÄLIN, O., & PATACCA, E. (1979): A sunken continental margin of the Mesozoic Tethys: The Northern and Central Apennines. – *Symp. "Sédimentation jurassique W-européen". Publ. spéc. Assoc. Sédimentol. franç.* 1, 197–210.
- BERNOULLI, D., & WEISSERT, H. (unpubl. manuscript): Preliminary notes on the stratigraphy of the upper Hawasina Nappes and of the Oman Exotics.
- BIGAZZI, C., BONADONNA, F.P., FERRARA, G., & INNOCENTI, F. (1973): Fission track ages of zircons and apatites from Northern Apennine ophiolites. – *Fortschr. Mineral. (Kristallogr. Petrogr.)* 50, 51–53.
- BLOME, C.D. (in press): Middle Jurassic (Callovian) Radiolaria from southern Alaska and eastern Oregon. – *Micropaleontology*.
- BOSELLINI, A., & WINTERER, E.L. (1975): Pelagic limestone and radiolarite of the Tethyan Mesozoic: A genetic model. – *Geology* 3/5, 279–282.
- BUSNARDO, R., CHAROLLAIS, J., & WEIDMANN, M. (in prep.): Le Crétacé inférieur de la Vevèyse de Châtel-St-Denis (Fribourg): stratigraphie et ammonites.
- CENTAMORE, E., CHIOCCINI, M., DEIANA, G., MICARELLI, A., & PIERUCCINI, U. (1971): Contributo alla conoscenza del Giurassico dell'Appennino Umbro-Marchigiano. – *Studi geol. Camerti* 1, 7–89.
- CHAROLLAIS, J., & RIGASSI, D. (1961): Répartition de quelques microfossiles dans le Jurassique supérieur et le Crétacé de Châtel-St-Denis. – *Arch. Sci. (Genève)* 14/2, 265–279.
- CITA, M.B. (1964): Ricerche micropaleontologiche e stratigrafiche sui sedimenti pelagici del Giurassico superiore e del Cretaceo inferiore nella catena del Monte Baldo. – *Riv. ital. Paleont. (Stratigr.) Mem.* 10, 1–182.

- CITA, M. B., & PASQUARÈ, G. (1959): Osservazioni micropaleontologiche sul Cretaceo delle Dolomiti. – Riv. ital. Paleont. (Stratigr.) 65/4, 385–442.
- DAVAUD, E., & GUÉX, J. (1978): Traitement analytique manuel et algorithmique de problèmes complexes de corrélations biochronologiques. – Eclogae geol. Helv. 71/3, 581–610.
- DE WEVER, P. (1981): Hagiastriidae, Patulibracchiidae et Spongodiscidae (Radiolaires Polycystines) du Lias de Turquie. – Rev. Micropaléont. 24/1, 27–50.
- DE WEVER, P., & CABY, R. (1981): Datation de la base des schistes lustrés postophiolitiques par des radiolaires (Oxfordien supérieur–Kimméridgien moyen) dans les Alpes Cottiennes (Saint Veran, France). – C.R. Acad. Sci. (Paris) 292 (Sér. 2), 467–472.
- DE WEVER, P., RIEDEL, W. R., BAUMGARTNER P., DUMITRICA, P., BJORKLUND, K., CAULET, J. P., DROBNE, K., GRANLUND, A., KOCHER, R., & SCHAAF, A. (1979): Recherches actuelles sur les radiolaires en Europe. – Ann. Soc. géol. Nord 98, 205–222.
- DE WEVER, P., & THIÉBAULT, F. (1981): Les radiolaires d'âge Jurassique supérieur à Crétacé supérieur dans les radiolarites du Pinde–Olonos (prèsqu'île de Koroni; Péloponnèse méridional, Grèce). – Geobios 14/5, 577–609.
- DONOFRIO, D. A., & MOSTLER, H. (1978): Zur Verbreitung der Saturnalidae (Radiolaria) im Mesozoikum der Nördlichen Kalkalpen und Südalpen. – Geol.-paläont. Mitt. Innsbruck 7/5, 1–55.
- DUMITRICA, P. (1970): Cryptocephalic and cryptothoracic Nassellaria in some Mesozoic deposits of Romania. – Rev. roumaine Géol. Géophys. Géogr. (sér. Géol.) 14/1, 45–124.
- (1978): Family Eptingiidae, n. fam., extinct Nassellaria (Radiolaria) with sagittal ring. – Dări Seamă Ședint. Inst. Geol. Geofiz. 64/3 (1976–7), 27–38.
- DUNIKOWSKI, E. v. (1882): Die Spongien, Radiolarien und Foraminiferen der unterliassischen Schichten vom Schafberg bei Salzburg. – Denkschr. (kais.) Akad. Wiss. Wien, math.-natw. Kl. 45, 163–194.
- EHRENBERG, C. G. (1844): Einige vorläufige Resultate seiner Untersuchungen der ihm von der Südpolreise des Capitain Ross, so wie von den Herren Schayer und Darwin zugekommenen Materialien über das Verhalten des kleinsten Lebens in den Oceanen und den grössten bisher zugänglichen Tiefen des Weltmeeres. – Ber. k. preuss. Akad. Wiss. Berlin 1844, 182–207.
- FLEURY, J. J. (1974): Précisions sur la série de la Nappe du Pinde; l'âge des «radiolarites» (Dogger–Malm) et des «Marnes rouges à radiolaires – Premier Flysch» (Eocrétacé–Sénonien basal) (Grèce). – C.R. Acad. Sci. (Paris) 278, 201–204.
- (1975): Le «Premier Flysch du Pinde» témoin de l'ensemble des événements orogéniques mésozoïques antécétacé supérieur ayant affecté les Hellénides internes (Grèce). – C.R. Acad. Sci. (Paris) 281, 1459–1461.
- FÖGELGESANG, J. F. (1975): Géologie du Monte Baldo septentrional (Prov. de Trente, Italie) et aspects géochimiques de la sédimentation pélagique tridentine et lombarde au Jurassique. – Unpubl. thesis 3e cycle. Univ. Pierre et Marie Curie, Paris, France, p. 1–178.
- FOLK, R. L., & MCBRIDE, E. F. (1978): Radiolarites and their relation to subjacent “ocean crust” in Liguria, Italy. – J. sediment. Petrol. 48/4, 1069–1102.
- FOREMAN, H. (1968): Upper Maestrichtian Radiolaria of California. – Spec. Pap. Paleontol. Assoc. London 3, 1–82.
- (1971): Cretaceous Radiolaria, Leg 7 DSDP. – Init. Rep. Deep Sea Drill. Proj. 7, 1673–1693.
- (1973): Radiolaria from DSDP Leg 20. – Init. Rep. Deep Sea Drill. Proj. 20, 249–305.
- (1975): Radiolaria from the North Pacific, DSDP, Leg 32. – Init. Rep. Deep Sea Drill. Proj. 32, 579–676.
- (1978): Mesozoic Radiolaria in the Atlantic Ocean off the northwest coast of Africa. – Init. Rep. Deep Sea Drill. Proj. 41, 739–761.
- GLENNIE, K. W., BOEUF, M. G. A., HUGHES-CLARKE, M. W., MOODY-STUART, M., PILAAR, W. F. H., & REINHARDT, B. M. (1974): Geology of the Oman Mountains, – Verh. k. nederl. geol. mijnbouwk. Genoot. 31, 1–423.
- GRADSTEIN, F. M. (1983): Paleocology and stratigraphy of Jurassic abyssal Foraminifera in the Blake-Bahama Basin, Deep Sea Drilling Project Site 534. – Init. Rep. Deep Sea Drill. Proj. 76, 537–560.
- GUÉX, J. (1977): Une nouvelle méthode d'analyse biochronologique. – Bull. Soc. vaud. Sci. nat. 73, 309–322.
- (1979): Terminologie et méthodes de la biostratigraphie moderne: commentaires critiques et propositions. – Bull. Soc. vaud. Sci. nat. no. 74/3, 169–216.
- (1984): Estimations numériques de la qualité de l'enregistrement fossile des espèces. – Bull. Soc. vaud. Sci. nat. 77, 79–89.
- GUÉX, J., & DAVAUD, E. (1982): Recherche automatique des associations unitaires en biochronologie. – Bull. Soc. vaud. Sci. nat. 76, 53–69.

- (1984): The Unitary Associations method. — *Computer Geosci.* 10/1, 69–96.
- GYGI, R., & MARCHAND, D. (1982): Les faunes de Cardioceratinae (Ammonoidea) du Callovien terminal et de l'Oxfordien inférieur et moyen (Jurassique) de la Suisse septentrionale: Stratigraphie, paléoécologie, taxonomie préliminaire. — *Geobios* 15/4, 517–571.
- HABIB, D., & DRUGG, W.S. (1983): Dinoflagellate age of Middle Jurassic–Early Cretaceous sediments in the Blake-Bahama Basin. — *Init. Rep. Deep Sea Drill. Proj.* 76, 623–638.
- HAECKEL, E. (1881): Entwurf eines Radiolarien-Systems auf Grund von Studien der Challenger-Radiolarien. — *Z. Natw. med. naturw. Ges. Jena* 15 [N.F.] 8/3, 418–472.
- (1887): Report of the Radiolaria collected by H.M.S. Challenger during the years 1873–76. — *Rep. Sci. Result. Voyage H.M.S. Challenger, Zool.* 18/1–2, 1–1803.
- HATTORI, I., & YOSHIMURA, M. (1982): Lithofacies distribution and radiolarian fossils in the Nanjo area in Fukui Prefecture, Central Japan. — *Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont.* 5, 103–116.
- HEITZER, I. (1930): Die Radiolarienfauna der mittelmurassischen Kieselmergel im Sonnwendgebirge. — *Jb. geol. Bundesanst. Wien* 80, 381–406.
- HINDE, G.J. (1900): Descriptions of fossil Radiolaria from the rocks of Central Borneo. In: MOLENGRAAFF, G.A. (Ed.): *Borneo-Expedition: Geol. Verkenningstochten in Central Borneo (1893–94)* (p. 1–51). — E.L. Brill, Leiden, H. Gerlings, Amsterdam.
- HOJNOS, R. (1916): Beiträge zur Kenntnis der ungarischen fossilen Radiolarien. — *Földt. Közl.* 46, 340–364.
- ICHIKAWA, K., & YAO, A. (1976): Two new genera of Mesozoic cyrtoid radiolarians from Japan. In: TAKAYANAGI, Y., & SAITO, T. (Ed.): *Progress in micropaleontology* (p. 110–117). — Micropaleontology Press, New York.
- IMOTO, N., TAMAKI, A., TANABE, T., & ISHIGA, H. (1982): Deposit at the Yumiyama Mine in the Tamba District, Southwest Japan. — *Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont.* 5, 227–236.
- ISHIDA, H. (1983): Stratigraphy and radiolarian assemblages of the Triassic and Jurassic siliceous sedimentary rocks in Konose Valley, Tokushima Prefecture, Southwest Japan. — *J. Sci. Univ. Tokushima* 16, 111–141.
- JENKYN, H.C., & WINTERER, E.L. (1982): Paleooceanography of Mesozoic ribbon radiolarites. — *Earth and planet. Sci. Lett.* 60, 351–375.
- JONES, D.L., COX, A., CONEY, P., & BECK, M. (1982): The growth of Western North America. — *Sci. American* 247/5, 70–84.
- KÄLIN, O., PATACCA, E., & RENZ, O. (1979): Jurassic pelagic deposits from southeastern Tuscany; aspects of sedimentation and new biostratigraphic data. — *Eclogae geol. Helv.* 72/3, 715–762.
- KÄLIN, O., & TRÜMPY, D.M. (1977): Sedimentation und Paläotektonik in den westlichen Südalpen: Zur triassisch-jurassischen Geschichte des Monte Nudo-Beckens. — *Eclogae geol. Helv.* 70/2, 295–350.
- KANIE, Y., TAKETANI, Y., SAKAI, A., & MIYATA, Y. (1981): Lower Cretaceous deposits beneath the Yezo group in the Urakawa area, Hokkaido. — *J. geol. Soc. Japan* 87, 527–533.
- KASHIMA, N. (1983): Geology of the aqueduct tunnel No. 6 at “the Chichibu Belt”, western Shikoku. — *Ehime Chigaku (Geology of Ehime), Mem. Vol. Prof. Miyahisa*, p. 169–176.
- KIDO, S., KAWAGUCHI, I., ADACHI, M., & MIZUTANI, S. (1982): On the *Dictyomitrella* (?) *kamoensis*–*Pantanelium foveatum* Assemblage in the Mino area, central Japan. — *Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont.* 5, 195–210.
- KOCHER, R.N. (1981): Biochronostratigraphische Untersuchungen oberjurassischer radiolarienführender Gesteine insbesondere der Südalpen. — *Mitt. geol. Inst. ETH u. Univ. Zürich. [N.F.]* 234, 1–184.
- KOJIMA, S. (1982): Some Jurassic, Triassic and Permian radiolarians from the eastern part of Takayama City, central Japan. — *Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont.* 5, 81–92.
- KOZUR, H., & MOSTLER, H. (1979): Beiträge zur Erforschung der mesozoischen Radiolarien. Teil III: Die Oberfamilien Actinommacea HAECKEL 1862, emend., Artiscacea HAECKEL 1882, Multiarcusellacea nov. der Spumellaria und triassische Nassellaria. — *Geol.-paläont. Mitt. Innsbruck* 9/1–2, 1–132.
- KUYPERS, E. (1979): La geología del Complejo Ofiolítico de Nicoya, Costa Rica. — *Informe Sem. Inst. Geogr. Nac. Julio-Diciembre*, p. 15–76.
- LANCELOT, Y., SEIBOLD, E., DEAN, W.E., JANSÁ, L.F., EREMEEV, V., GARDNER, J., CEPEK, P., KRASHENINNIKOV, V.A., PFLAUMANN, U., JOHNSON, D., RANKIN, J.G., & TRABANT, P. (1978): Site 367: Cape Verde Basin (Site Chapter). — *Init. Rep. Deep Sea Drill. Proj.* 41, 163–232.
- LAUBSCHER, H., & BERNOULLI, D. (1977): Mediterranean and Tethys. In: NAIRN, A.E.M., KANES, W.H., & STEHLI, F.G. (Ed.): *The Eastern Mediterranean* (p. 1–28). The ocean basins and margins 4A. — Plenum Publishing Corp, New York.

- LEJEUNE, M. (1936): Sur un moyen d'isoler les microfossiles inclus dans les silex. – C.R. Acad. Sci. (Paris) 203/7, 435–437.
- LOZNYAK, P. Y. (1969): Radiolarii nizhnemelovykh otlozhenii Ukrainskikh Karpat. (Radiolaria of the Lower Cretaceous sediments of the Ukrainian Carpathians.) In: VYALOV, O.C. (Ed.): Iskopaemye i Sovremennye Radiolarii (Fossil and Recent Radiolaria) (p. 29–40). – L'vov. geol. O-vo., L'vov. Univ.
- LYBERIS, N. (1978): Etude géologique de la partie méridionale des montagnes d'Agrafa (Euritanie, Grèce). – Thesis 3e cycle, Paris, p. 1–145.
- MATSUOKA, A. (1981): Middle to Late Jurassic radiolarian assemblage in the Sakawa area of the southern subbelt of the Chichibu Belt. – Proc. Kansai Branch, geol. Soc. Japan 90, 3–4.
- (1982): Jurassic two-segmented Nassellarians (Radiolaria) from Shikoku, Japan. – J. Geosci. Osaka City Univ. 25/5, 71–86.
- (1983): Middle and Late Jurassic radiolarian biostratigraphy in the Sakawa and adjacent areas, Shikoku, Southwest Japan. – J. Geosci. Osaka City Univ. 26/1, 1–48.
- MATSUYAMA, H., KUMON, F., & NAKAJO, K. (1982): Cretaceous radiolarian fossils from the Hidakagawa Group in the Shimanto Belt, Kii Peninsula, Southwest Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 371–382.
- MCBRIDE, E. F., & FOLK, R. L. (1979): Features and origin of Italian Jurassic radiolarites deposited on continental crust. – J. sediment. Petrol. 49/3, 837–868.
- MICARELLI, A., POTETTI, M., & CHIOCCHINI, M. (1977): Ricerche microbiostratigrafiche sulla Maiolica della regione Umbro-Marchigiana. – Stud. geol. Camerti 3, 57–86.
- MIZUTANI, S. (1981): A Jurassic formation in the Hida-Kanayama area, Central Japan. – Bull. Mizunami Fossil Mus. 8, 147–190.
- MIZUTANI, S., & KOIKE, T. (1982): Radiolarians in the Jurassic siliceous shale and in the Triassic bedded chert of Unuma, Kagamigahara City, Gifu Prefecture, Central Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 117–134.
- MIZUTANI, S., NISHIYAMA, H., & ITO, T. (1982): Radiolarian biostratigraphic study of the Shimanto Group in the Nanto-Nansei Area, Mie Prefecture, Kii Peninsula, Central Japan. – J. Earth Sci. Nagoya Univ. 30, 31–107.
- MOORE, T. C. (1973): Radiolaria from Leg 17 of the Deep Sea Drilling Project. – Init. Rep. Deep Sea Drill. Proj. 17, 797–869.
- MURATA, M., OHISHI, A., NISHIZONO, Y., SATO, T., & TAKEHARA, T. (1982): Late Mesozoic radiolarian fauna from the Sakaguchi Formation. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 327–337.
- MUZAVOR, S. N. X. (1977): Die Oberjurassische Radiolarienfauna von Oberaudorf am Inn. – Diss. Fachber. Geowiss. Ludwig-Maximilians-Univ., München, p. 1–163.
- NAKASEKO, K. (Ed., 1982): Proceedings of the first Japanese radiolarian symposium. – Spec. Vol. News Osaka Micropaleont. 5, 1–485.
- NAKASEKO, K., & NISHIMURA, A. (1981): Upper Jurassic and Cretaceous Radiolaria from the Shimanto Group in Southwest Japan. – Sci. Rep. College gen. Educ. Osaka Univ. 30/2, 133–203.
- NAKASEKO, K., NISHIMURA, A., & SUGANO, K. (1979): Cretaceous Radiolaria in the Shimanto Belt, Japan. – Spec. Vol. News Osaka Micropaleont. 2, 1–49.
- NEVIANI, A. (1900): Supplemento alla fauna a radiolari delle rocce mesozoiche del Bolognese. – Boll. Soc. geol. ital. 19, 645–671.
- NISHIZONO, Y., & MURATA, M. (1983): Preliminary studies on the sedimentary facies and radiolarian biostratigraphy of Paleozoic and Mesozoic sediments, exposed along the mid-stream of the Kuma River, Kyushu, Japan. – Kumamoto J. Sci. Geol. 12, 1–40.
- NISHIZONO, Y., OHISHI, A., SATO, T., & MURATA, M. (1982): Radiolarian fauna from the Paleozoic and Mesozoic Formations distributed along the mid-stream of Kuma River, Kyushu, Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 311–326.
- OKAMURA, M. (1980): Radiolarian fossils from the northern Shimanto Belt (Cretaceous) in Kochi Prefecture, Shikoku. – Geology and Paleontology of the Shimanto Belt (p. 153–178): Rinya-Kosekai.
- OKAMURA, M., & UTO, H. (1982): Notes on stratigraphic distributions of radiolarians from the Lower Cretaceous sequence of chert in the Yokonami Melange of Shimanto Belt, Kochi Prefecture, Shikoku. – Res. Rep. Kochi Univ. Nat. Sci. 31, 87–94.
- OWADA, K., & SAKA, Y. (1982): Preliminary note on the Paleozoic and Mesozoic formations in the Chichibu Belt, Okutama District, Kwanto Mountains, Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 67–80.

- OZVOLDOVA, L. (1975): Upper Jurassic radiolarians from the Kysuca Series in the Klippen Belt. – *Zap. Karpaty, Ser. Paleont.* 1, 73–86.
- (1979): Radiolarian assemblage of radiolarian cherts at Podbiel locality (Slovakia). – *Čas. Miner. Geol.* 24/3, 249–266.
- PARONA, C. F. (1890): Radiolarie nei noduli selciosi del calcare giurese di Cittiglio presso Laveno. – *Boll. Soc. geol. ital.* 9, 1–167.
- PESSAGNO, E. A., Jr. (1969): Mesozoic planktonic Foraminifera and Radiolaria. – *Init. Rep. Deep Sea Drill. Proj.* 1, 607–621.
- (1971): Jurassic and Cretaceous Hagiastriidae from the Blake-Bahama Basin (Site 5A, JOIDES Leg 1) and the Great Valley Sequence, California Coast Ranges. – *Bull. amer. Paleont.* 60/264, 1–83.
- (1972): Cretaceous Radiolaria. Part I: The Phaseliformidae, new family, and other Spongodiscacea from the Upper Cretaceous portion of the Great Valley Sequence. Part II: Pseudoaulophacidae RIEDEL from the Cretaceous of California and the Blake-Bahama Basin (JOIDES Leg 1). – *Bull. amer. Paleont.* 61/270, 269–314.
- (1973): Upper Cretaceous Spumellaria from the Great Valley Sequence, California Coast Ranges. – *Bull. amer. Paleont.* 63/276, 49–102.
- (1976): Radiolarian zonation and stratigraphy of the Upper Cretaceous portion of the Great Valley Sequence, California Coast Ranges. – *Spec. Publ. Micropaleont.* 2, 1–95; Micropaleontology Press, New York.
- (1977a): Upper Jurassic Radiolaria and radiolarian biostratigraphy of the California Coast Ranges. – *Micropaleontology* 23/1, 56–113.
- (1977b): Lower Cretaceous radiolarian biostratigraphy of the Great Valley Sequence and Franciscan Complex, California Coast Ranges. – *Spec. Publ. Cushman Found. foram. Res.* 15, 1–87.
- PESSAGNO, E. A., Jr., & BLOME, C. D. (1980): Upper Triassic and Jurassic Pantanellinae from California, Oregon and British Columbia. – *Micropaleontology* 26/3, 225–273.
- (1982): Bizarre Nassellariina (Radiolaria) from the Middle and Upper Jurassic of North America. – *Micropaleontology* 28/3, 289–318.
- PESSAGNO, E. A., Jr., & NEWPORT, R. L. (1972): A technique for extracting Radiolaria from radiolarian cherts. – *Micropaleontology* 18/2, 231–234.
- PESSAGNO, E. A., Jr., & POISSON, A. (1981): Lower Jurassic Radiolaria from the Gümüşlü Allochthon of Southwestern Turkey (Taurides Occidentales). – *Bull. miner. Res. Explor. Inst. Turkey* 92, 47–69.
- PESSAGNO, E. A., Jr., & WHALEN, P. A. (1982): Lower and Middle Jurassic Radiolaria (multicyrtid Nassellariina) from California, east-central Oregon and the Queen Charlotte Islands, B.C. – *Micropaleontology* 28/2, 111–169.
- PRINCIPI, P. (1909): Contributo allo studio dei radiolari miocenici italiani. – *Boll. Soc. geol. ital.* 28/1, 1–22.
- REMANE, J. (1983): Calpionellids and the Jurassic/Cretaceous boundary at Deep Sea Drilling Project Site 534, Western North Atlantic Ocean. – *Init. Rep. Deep Sea Drill. Proj.* 76, 561–568.
- RENZ, G. W. (1974): Radiolaria from Leg 27 of the Deep Sea Drilling Project. – *Init. Rep. Deep Sea Drill. Proj.* 27, 769–841.
- RENZ, O. (1978): Aptychi (Ammonoidea) from the Late Jurassic and the Early Cretaceous of the eastern Atlantic, DSDP Site 367. – *Init. Rep. Deep Sea Drill. Proj.* 41, 499–513.
- RIEDEL, W. R., & SANFILIPPO, A. (1974): Radiolaria from the southern Indian Ocean, DSDP Leg 26. – *Init. Rep. Deep Sea Drill. Proj.* 26, 771–814.
- ROTH, P. H. (1983): Jurassic and Lower Cretaceous calcareous nannofossils in the western North Atlantic (Site 534): Biostratigraphy, preservation and some observations on biogeography and paleoceanography. – *Init. Rep. Deep Sea Drill. Proj.* 76, 587–622.
- ROTH, P. H., MEDD, A. W., & WATKINS, D. K. (1983): Jurassic calcareous nannofossil zonation, an overview with new evidence from Deep Sea Drilling Project Site 534. – *Init. Rep. Deep Sea Drill. Proj.* 76, 573–580.
- RÜST, D. (1885): Beiträge zur Kenntnis der fossilen Radiolarien aus Gesteinen des Jura. – *Palaeontographica* 31 (3, 7), 269–322.
- (1898): Neue Beiträge zur Kenntnis der fossilen Radiolarien aus Gesteinen des Jura und der Kreide. – *Palaeontographica* 45, 1–67.
- SACHS, H. M., & FAIRBANKS HASSON, P. (1979): Comparison of species vs. character description for very high resolution biostratigraphy using cannartid radiolarians. – *J. Paleont.* 53/5, 1112–1120.
- SAKA, Y. (1983): Preliminary note on the Jurassic strata in the Chichibu Terrane, western Shima Peninsula, Southwest Japan. – *Gakujutsu Kenkyu, School of Educ., Waseda Univ.* 32, 29–34.

- SASHIDA, K., IGO, HISAHARU, IGO, HISAYOSHI, H., TAKIZAWA, S., HISADA, K., SHIBATA, T., TSUKADA, K., & NISHIMURA, H. (1982): On the Jurassic radiolarian assemblages in the Kanto district. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 51–66.
- SATO, T., NISHIZONO, Y., & MURATA, M. (1982): Paleozoic and Mesozoic radiolarian faunas from the Shakumasan Formation. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 301–310.
- SCHAAF, A. (1981): Late Early Cretaceous Radiolaria from Deep Sea Drilling Project Leg 62. – Init. Rep. Deep Sea Drill. Proj. 62, 419–470.
- SEYFRIED, H. (1978): Der subbetiche Jura von Murcia (Südost-Spanien). – Geol. Jb. (B) 29, 1–201.
- (1981): Ensayo sobre el significado paleogeográfico de los sedimentos del Jurásico de las Cordilleras Béticas Orientales. – Cuad. Geol. (iberica) 10, 317–348.
- SHERIDAN, R. E., GRADSTEIN, F. M., BARNARD, L. A., BLIEFNICK, D. M., HABIB, D., JENDEN, P. D., KAGAMI, H., KEENAN, E., KOSTECKI, J., KVENVOLDEN, K. A., MOULLADE, M., OGG, J., ROBERTSON, A. H. F., ROTH, P., SHIPLEY, T. H., BOWDLER, J. L., COTILLON, P. H., HALLEY, R. B., KINOSHITA, H., PATTON, J. W., PISCOTTO, K. A., PREMOLI-SILVA, I., TESTARMATA, M. M., & WATKINS, D. K. (1983): Site 534: Blake-Bahama Basin (Site Chapter). – Init. Rep. Deep Sea Drill. Proj. 76, 141–340.
- SQUINABOL, S. (1903): Le Radiolarie dei noduli selciosi nella Scaglia degli Euganei: Contribuzione I. – Riv. ital. Paleont. 9, 105–150.
- (1904): Radiolarie cretacee degli Euganei. – Atti Mem. r. Accad. Sci. Lett. Arti Padova [n.s.] 20, 171–244.
- (1914): Contributo alla conoscenza dei Radiolari fossili del Veneto. Appendice – Di un genere dei Radiolari caratteristico del Secondario. – Mem. Ist. Geol. Univ. Padova 2, 249–306.
- STEIGER, T. (1981): Kalkturbidite im Oberjura der Nördlichen Kalkalpen (Barmsteinkalke, Salzburg, Österreich). – Facies 4, 215–348.
- STURANI, C. (1964): La successione delle faune ad ammoniti nelle formazioni mediogiurassiche delle Prealpi venete occidentali. – Mem. Ist. Geol. Mineral. Univ. Padova 24, 1–63.
- TAKETANI, Y. (1982): Cretaceous Radiolaria from Hokkaido. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 361–370.
- TAN SIN HOK (1927): Over de samenstelling en het onstan van krijt- en mergel-gesteenten van de Molukken. In: BROUWER, H. A. (Ed.): Geologische onderzoeken in den oostelijken Oost-Indischen Archipel. – 5. Jb. Mijnwezen nederl. (Oost-)Indië 55 (1926), pt. 3, 5–156.
- THIÉBAULT, F., DE WEVER, P., FLEURY, J. J., & BASSOULET, J. B. (1981): Précisions sur la série stratigraphique de la nappe du Pinde de la presqu'île de Koroni (Péloponnèse méridional – Grèce): l'âge des radiolarites (Dogger–Crétacé supérieur). – Ann. Soc. géol. Nord, Lille 100, 91–105.
- TIPPIT, P. R. (1981): Radiolarian biostratigraphy of the Hawasina Complex. – Thesis, Progr. Geosci. Univ. Texas, Dallas 200, 201–339.
- VAIL, P. R., MITCHUM, R. M., Jr., & THOMPSON, S. III (1977): Global cycles of relative changes of sea level. In: PAYTON, C. E. (Ed.): Seismic stratigraphy – applications to hydrocarbon exploration (p.83–97). – Mem. amer. Ass. Petroleum Geol. 26.
- VINASSA DE REGNY, P. E. (1900): I Radiolari delle ftniti titoniane di Carpena (Spezia). – Palaeontographia ital. 4 (1898), 217–238.
- VRIELYNCK, B. (1978): Données nouvelles sur les zones internes du Péloponnèse. Grèce. Les massifs à l'est de la plaine d'Argos. – Thesis 3e cycle, Univ. Sci. Tech. Lille, p. 1–115.
- WAKITA, K. (1982): Jurassic radiolarians from Kuzuryu-ko–Gujo-hachiman area. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 153–172.
- WAKITA, K., & OKAMURA, M. (1982): Mesozoic sedimentary rocks containing allochthonous blocks, Gujo-hachiman, Gifu Prefecture, Central Japan. – Bull. geol. Surv. Japan 33, 161–185.
- WINTERER, E. L., & BOSELLINI, A. (1981): Subsidence and sedimentation on Jurassic passive continental margin, Southern Alps, Italy. – Bull. amer. Assoc. Petroleum Geol. 65, 394–421.
- WISNIEWSKI, T. (1889): Beitrag zur Kenntnis der Mikrofauna aus den oberjurassischen Feuersteinknollen der Umgebung von Krakau. – Jb. k.k. geol. Reichsanst. 38/4 (1888), 657–702.
- WU HAO-RUO & LI HONG-SHENG (1982): Radiolaria from the olistostrome of the Zongzhuo Formation, Gy-angze, Southern Xizang (Tibet). – Acta palaeont. sinica 21/1, 64–74.
- YAO, A. (1972): Radiolarian fauna from the Mino Belt in the northern part of the Inuyama area, Central Japan. Part I: Spongosaurinids. – J. Geosci. Osaka City Univ. 15, 21–64.
- (1979): Radiolarian fauna from the Mino Belt in the northern part of the Inuyama area, Central Japan. Part II: Nassellaria I. – J. Geosci. Osaka City Univ. 22, 21–72.

- (1983): Late Paleozoic and Mesozoic radiolarians from Southwest Japan. In: IJIMA, A., HEIN, J.R., & SIEVER, R. (Ed.): Siliceous deposits in the Pacific Region (p. 361–376). – Elsevier, Amsterdam.
 - (1984): Subdivision of the Mesozoic Complex in Kii-Yura area, Southwest Japan and its bearing on the Mesozoic basin development in the southern Chichibu Terrane. – J. Geosci. Osaka City Univ. 27, Art. 2, 41–103.
- YAO, A., MATSUDA, T., & ISOZAKI, Y. (1980): Triassic and Jurassic radiolarians from the Inuyama area, central Japan. – J. Geosci. Osaka City Univ. 23, 135–154.
- YAO, A., & MATSUOKA, A. (1981): *Unuma echinatus* Assemblage in the Inuyama area of the Mino Belt. – Proc. Kansai Branch, Geol. Soc. Japan 90, 5–6.
- YAO, A., MATSUOKA, A., & NAKATANI, T. (1982): Triassic and Jurassic radiolarian assemblages in Southwest Japan. – Proc. first jap. radiolarian Symp.: Spec. Vol. News Osaka Micropaleont. 5, 27–43.